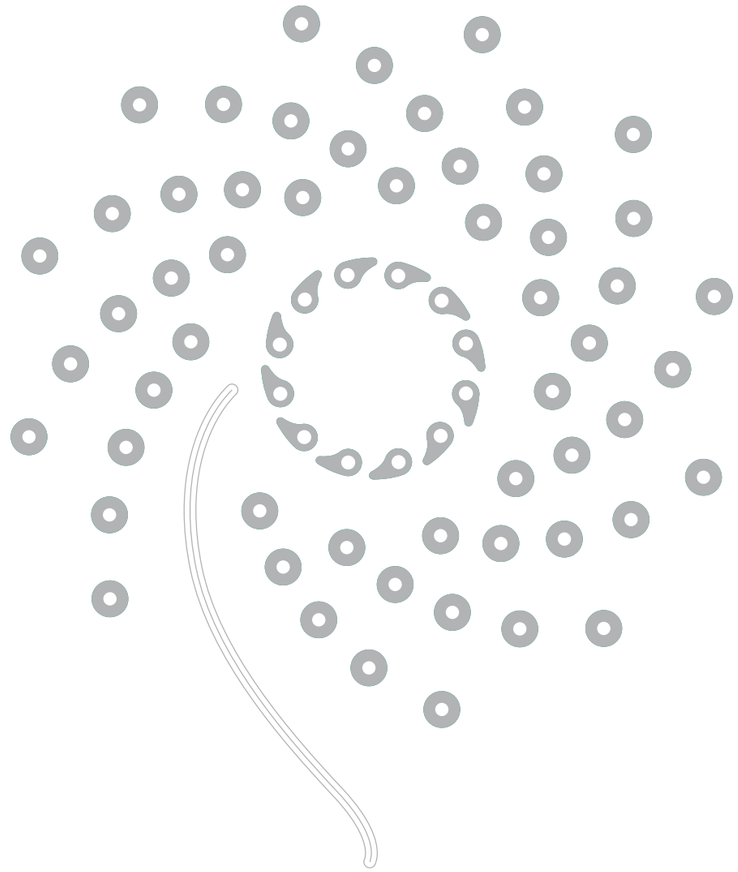
mirashowers.co.uk

Mira Showers

A KOHLER COMPANY

Technical brochure 2008



mira SHOWERS

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A KOHLER COMPANY

Welcome to Mira Showers

Based in Cheltenham, Gloucestershire, Mira has been the leader in shower technology since the launch of the World's first ever thermostatic shower back in 1937. Initially these mixer showers were extensively used in schools, hospitals and in industry. However, in 1959, Mira developed the first thermostatic mixer shower designed to cope with the unique UK domestic water supplies. It was this that launched Mira into the domestic showering market and established Mira as the household name it is today.

Now, with a product range sold throughout over 40 countries worldwide, Mira satisfies the needs of both the domestic and commercial shower installer. Mira's reputation has been built on innovative design, quality engineering and rigorous attention to detail. These attributes are combined with an after-sales service considered as second to none in the industry.

Technical Guide

This technical guide has been produced to provide the most up to date information on Mira's range of domestic showers, trays, taps and shower pumps. In the unlikely event you can't find the information you are looking for, please contact Mira Customer Services on **0870 241 0888** or download the relevant Installation and User Guide from the website, **www.mirashowers.co.uk**

Mira Showers and the FSC

The Forest Stewardship Council (FSC) is an international, non-profit organisation dedicated to promoting responsible forestry. FSC runs a global forest certification system which enables consumers to identify products made with timber from well-managed forests. By choosing wood and paper products with the FSC logo you are supporting responsible management of the world's forests to ensure that they still exist for our children, for biodiversity and the communities which depend on them. Visit www.fsc-uk.org for further information.

Contacting us

For MIRA® Customer Service including product enquiries, please call us on +44 (0) 870 241 0888, e-mail technical@mirashowers.com or visit our Web site www.mirashowers.co.uk

For details of your nearest displaying MIRA Showroom or to order an alternative brochure, please call us on +44 (0) 0870 241 0888 or visit our Web site:

www.mirashowers.co.uk

www.kohler.co.uk
www.daryl-showers.co.uk

KOHLER®

KOHLER® Family of Businesses

Kohler Co. is one of the world leaders in bathroom design, setting the standard for innovation, craftsmanship and new technology across the globe since 1873.

Kohler in the UK encompasses its market leading domestic brands - KOHLER, MIRA®, RADA® and DARYL®, offering an inspirational collection of bathroom sanitaryware, bathroom furniture, taps, showers and shower enclosures.

For more information about the range of KOHLER and DARYL products, please call us or visit the Web sites above.

THE BOLD LOOK OF KOHLER® mira SHOWERS rada DARYL® A KOHLER COMPANY

Style, technology and innovation

Mira excellence comes as standard

Contents

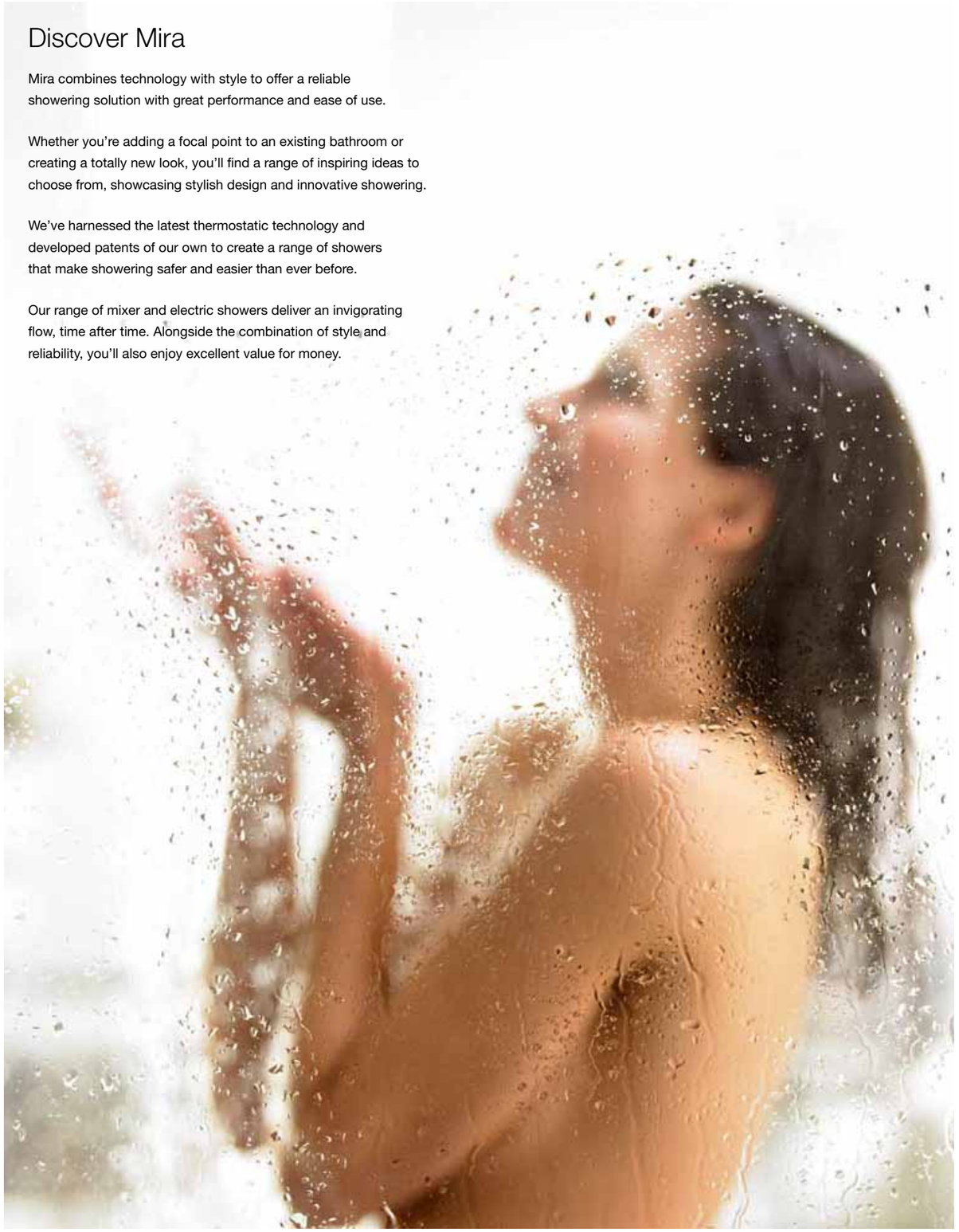
Discover Mira

Mira combines technology with style to offer a reliable showering solution with great performance and ease of use.

Whether you're adding a focal point to an existing bathroom or creating a totally new look, you'll find a range of inspiring ideas to choose from, showcasing stylish design and innovative showering.

We've harnessed the latest thermostatic technology and developed patents of our own to create a range of showers that make showering safer and easier than ever before.

Our range of mixer and electric showers deliver an invigorating flow, time after time. Alongside the combination of style and reliability, you'll also enjoy excellent value for money.



Mixer, electric or power showers?
Shower types explained

Mixer

Mixer showers take water from both the hot and cold water supplies and blend the water to reach the desired temperature. Ideal for homes with a plentiful supply of hot water. On gravity systems, a pump can be added to boost the performance.

Electric

Electric showers only take water from the mains cold water supply. When you have a shower, you don't use up any stored hot water – so electric showers are ideal for families and households where there is a limited supply of hot water.

Power

Power showers take water from the low pressure stored hot and cold water supplies. They mix the hot and cold to reach the desired temperature and then boost the flow of water from the shower using an integral pump to provide a more forceful spray. You should not use a power shower with a high-pressure or mains pressure water system.

How do I choose the right shower?
Water systems explained

Our showers are compatible with most UK domestic water systems, but it's important to know which you have before you make your final choice.

✓	HIGH COMBI	LOW	COLD MAINS
Compatible with all systems	High pressure systems & combis only	Low pressure stored water supply only	Cold mains supply only
Aquations* Coda* Crescent* Discovery* Element* Extra BSM* Excel & Excel BSM* Form* Magna* Magna BSM* Magna Waterveil* Minibelle Miniduo Minilite Miniluxe Mode* Montpellier* Realm* Silver*	Combiflow Combiforce 415 Verve	Elite ST Event XS Manual Event XS Thermostatic Extreme Gem 88* Vigour	Advance ATL Advance ATL Flex Azora Elevate Escape Galena Orbis Play Sport Sport Max Sport Thermostatic Zest Vie

*By fitting a Mira pump when this shower is used on a low pressure system you can significantly increase the flow rate and enjoy a more invigorating experience.

Mixer Valves and Fittings

Mira mixer showers are available in a variety of different combinations.

UV

Universal

Universal fittings are exclusive to the Mira Magna range and allow connection either through the ceiling or through the wall. They come with an adjustable handset, as well as a slide bar and clamp bracket.

EV

Exposed Variable

The shower control is-mounted on the wall, and your shower comes with a showerhead, hose, clamp bracket and slide bar. Some models are available with a soap dish.

BIV

Built-In Variable

The shower control is built in to the wall, creating a smart, clean finish. The shower comes with a showerhead, hose, right-angled hose connector, clamp bracket and slide bar. Some models are available with a soap dish.

BIR

Built-In Rigid

The controls and the showerhead are both built in to the wall. With no hose or slide bar, it gives you a stylish minimalist look.

EX

Exposed Fixed

The shower controls and the showerhead are both-mounted on the wall. Mira Mode is a good example of 'EX' fittings.

ER

Exposed Rigid

The shower valve and showerhead are both-mounted on the wall on a single riser bar.

Maintenance

A conveniently situated isolating valve must be fitted in the supply pipework of all the showers in the Mira range to allow complete maintenance of the product. For day to day general maintenance please refer to the specific information published in the Installation and User Guide, which is supplied with each product. This guide should be retained by the user for future reference.

History and heritage
A forward thinking company

Established in 1921, Mira has been leading the way in UK showering for decades. In 1937 we introduced the world's first ever thermostatic shower, designed specifically for hospitals and schools. Mira mixer valves quickly became the standard equipment for the shower market and in 1959 we unveiled the first thermostatic shower for domestic use. Ever since then our showers have remained firm favourites with households across the UK.

Recently acquired by Kohler Co, a leading American bathroom and kitchen manufacturer, we still remain true to our founding principles of quality engineering and innovative design. Thanks to our rigorous attention to detail and groundbreaking research and development, our products are now available in over 40 countries worldwide.

1921

1921	Walker Crosweller & Co Ltd founded in London.
1959	First thermostatic shower valve capable of giving shower under unique U.K pressure conditions (Leonard 722).
1978	First instant-electric shower launched under 'Miralec' brand. Press-action time flow controls introduced.
1981	Mira 915 mixer control brings 'thermoscopic control to the domestic market.
1984	One-millionth Mira 8 manual mixer shower produced -making It Britain's single most popular shower.
1985	Walker Crosweller becomes part of CARADON LIMITED
1986	Company changes its name to CARADON MIRA LIMITED.
1990	Excel valve introduced using internal ceramics and disposable plastic cartridge.
2001	HSBC sells Bathrooms to Sanitec and in July sells Mira Showers & Alstone Shower Cubicles to Kohler returning Mira into private ownership. Herb Kohler and family visit and address Mira.
2002	Revamped New Excel Introduced using new cartridge.
2003	Advance ATL (Adjustable Temp Limit) launches - the first electric shower to achieve BEAB Care approval.
2004	Revolutionary Flight Tray launched, lighter, tougher and easier to fit, due to the new acrylic capped resin stone structure and easy clip in riser legs.
2005	Mira's first Digital Shower, the Mira Magna launches. Kohler purchases Daryl Shower enclosures, expanding the Kohler UK bathroom collection.
2006	First Mira consumer advertising campaign launched on commercial radio stations across the UK. This is accompanied by an a fun new micro site and an extensive trade counter campaign.

Mira Excel story
The classic Mira mixer shower

In October 1990, Mira launched a shower that became an instant classic. Extremely versatile and easy to use, Mira Excel delivers precise temperature and flow at all times to create the ultimate in safe and enjoyable showering. With over 1.3 million sales Mira Excel continues to be the nation's number one mixer shower, while recent enhancements make it even easier to install.

Above: Mira Excel (2002)
Right: current Mira Excel. The UK's best selling thermostatic mixer shower.

New for 2008

Making showers even better – new innovation from Mira

Mira is committed to developing new and innovative products. Some of the products planned for 2008 are shown on this page:

More performance, more ecological – introducing Mira Vie

Our customers have told us they're looking for high performance showers that aren't just kind to the pocket, but are kind to the environment too. That's the thinking behind Mira Vie, our new electric shower range. Each Vie model comes with a special Eco power setting that uses less energy and water. With easy-to-use controls and a choice of finishes, Vie delivers everything you could want in a compact, organic shape.

Power you'll really value – Mira Vigour

If you're looking for the exhilaration of a true power shower, but you don't want to break the bank, Mira Vigour brings you all the performance and punch of Mira technology at a very affordable price. And if you select the thermostatic model, a temperature override ensures maximum safety for every user.

The ultimate in safe showering – the Mira Advance range

As the first electric shower with thermostatic control, Mira Advance has always led the way in safer showering. Now we've updated the range to bring you even more safety features as well as smooth new curves and a rounded shape. Not only that, Mira Advance's backlit blue LED buttons make the controls easy to read and stylish too.

Mira Advance ATL Standard


Mira Eco Fittings Kit

Mira Advance ATL Memory

Innovation

At Mira we're constantly investing in research and development to stay at the cutting edge. From enhancing our existing showers, to developing innovative new models, you can count on us to bring you the very best in showering performance.


Mira Advance ATL Flex

Mira Orbis

Mira Vie


Mira Vigour

New Advance ATL is a great example of our commitment to continually improve and develop our products to meet the needs of our customers.

Designed specifically to suit most needs and disabilities, the Advance ATL range is available in Standard, Flex, Memory and Extra versions and features thermostatic control with eight different maximum temperature settings.

For more information about the Advance ATL range see pages 80-83.

Commitment to innovation

Mira expertise

We may be the UK's leading shower manufacturer, but we won't ever rest on our laurels. We invest heavily in research and development to ensure that Mira is always at the forefront of design and technology. Our shower R&D lab is one of the biggest in the UK, with over 100 engineers and technicians constantly working on new products to delight our customers.

Test, test and test again

Our excellent reputation is extremely important to us. That's why we subject every single shower we make to a rigorous series of tests before it leaves the factory. Each model is pressure tested along the assembly line to ensure there are no leaks, and is also fully checked against its product specification. We run thorough safety tests too, so you can always trust a Mira.

Images: The new Advance ATL at design stage (left), and going through its paces on one of the many rigorous tests (top right).

Each product is individually checked on the production line before shipment (bottom right) - that's why you may find water in the product when you take it out the packaging!

Customer Support

A service you can depend on

At Mira we know our excellent reputation depends on the service we provide. That's why we're passionate about looking after our customers. We have a dedicated Customer Services Team to provide lifetime support for your Mira product. From general advice and problem diagnosis through to supplying spare parts or arranging a service engineer visit, they're waiting to help.

We know our customers prefer talking to friendly human beings rather having to work through automated systems, or left to listen to tedious hold music. That's why 85% of all calls are answered within 15 seconds by a Customer Service representative. Each representative has undergone extensive initial training and typically completes a further minimum 150 hours each year. They know every Mira product inside out so can help no matter what question you have.

Corporate Member
Institute of Customer Service

The Institute of Customer Service is the professional body for customer service, whose primary purpose is to lead customer service performance and professionalism. Mira has a strong commitment to continuous improvement of customer service, and is the only shower manufacturer with membership to the ICS.

After sales assistance

Looking after your Mira shower

If you ever need hands-on help, we have a team of field based engineers helping Mira owners get the most from their showers. Even if your warranty has expired, we're still here to help. We only charge by the visit and not by the hour - so you can be sure you're getting exceptional value for money.

- We aim to complete 75% of service visits within 3 working days of receiving a customer's call
- We aim to achieve a first time fix rate of 98%
- Spare parts are despatched within 2 working days of your call (subject to stock availability).

At the end of the day, the service you receive has to be as good as the product you enjoy. With Mira, you know you'll enjoy the best of both worlds.

"It's gratifying to find a business that, even after a decade, is happy to look after its customers without counting every penny."

J Harvey, Somerset

"Just to thank you for your superb service. In today's automated push-button options world, how refreshing to be able to speak to someone who will deal with the problem and see it through to completion."

D Hopton, W. Yorks

"…what a total delight to be dealt with immediately I called, no answer machine, efficient and friendly from the first call to the problem being solved by the engineer within minutes of him coming to the house. I really should like to say a very big thank-you for restoring my faith in true service."

M Crisp, W. Sussex

How are we helping the environment?
By acting responsibly in the workplace

At Mira we are committed to minimising our impact on the environment and follow our parent company Kohler's thorough set of environmental guidelines. By conserving energy, recycling and acting responsibly, we do all we can to reduce our carbon footprint. Our Environmental Management System follows the strict guidelines of ISO14001.

From stamps to pallets, from waste ceramics to surplus shower hose, we recycle everything possible throughout our sites. We have reduced the waste produced at our head office in Cheltenham by nearly 40% per year, and have also increased paper recycling year on year since 1999.

And we've started to make changes to our print too. This brochure is printed on paper from sustainable sources and approved by the Forestry Stewardship Council (FSC). The FSC runs a global forest certification system which supports responsible management of the world's forests to ensure they still exist for our children, for biodiversity and the communities which depend on them. Visit www.fsc-uk.org for more information.

By developing innovative products

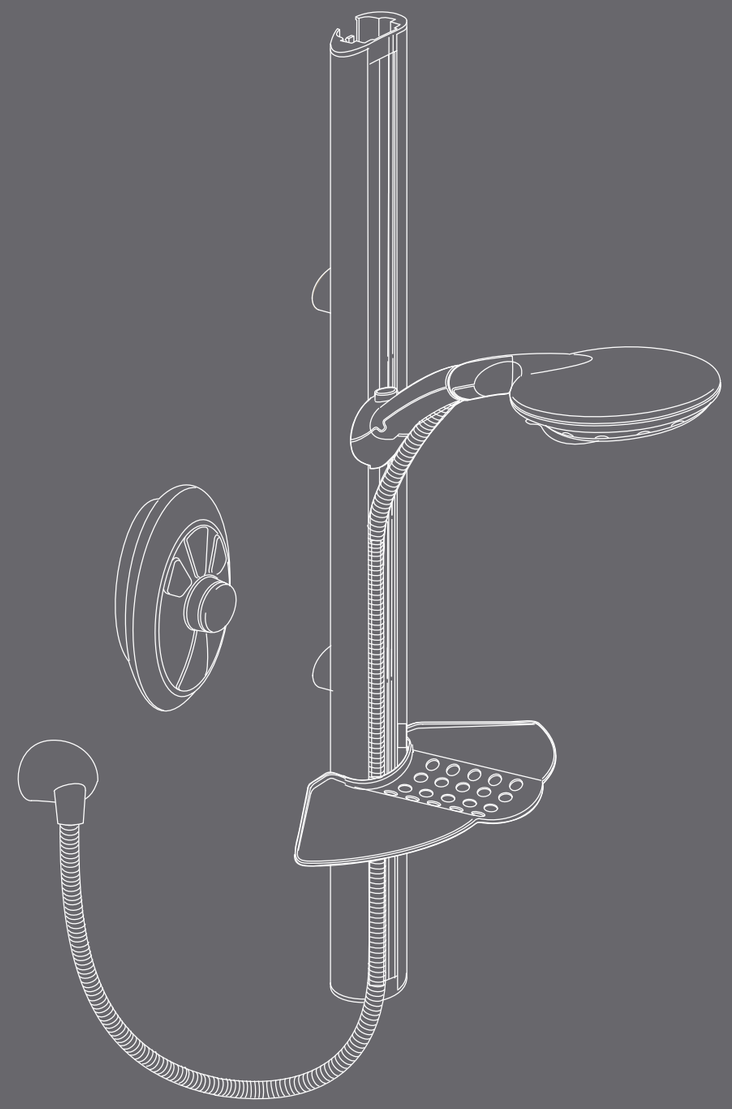
As our products harness water and energy, we occupy a privileged position in being able to help others cut their carbon footprint. By delivering products that use water and energy as efficiently as possible, we can help our customers act responsibly towards the environment.

For instance, our Eco showerhead harnesses innovative Mira technology to use up to 75% less water, while still delivering the same feeling of a wet, drenching flow. And because the showerhead uses less water, it takes less energy to heat the water too.

Digital Mixer Showers

The whole world is going digital, and showering is no exception. The new technology gives the user more control and convenience than ever before, and Mira is leading the way in digital performance.

Installing a Mira digital model is just as straightforward as fitting any other Mira mixer, so you can easily give your customers the ultimate in showering performance. The discreet mixer unit can be installed separately from the shower to fit any space. And with bath-mounted digital precision or remote control options, your customers can enjoy truly luxurious showering.



Magna

Description

- Digital intelligence featuring full thermostatic shower control with an adjustable maximum setting.
- Instant cut-off, should either the hot or cold water supply fail.
- Easy selection flow control buttons with three flow options from gentle water saving to full power shower.
- Light touch temperature control with warm up feature allowing the unit to be warmed up to the desired pre-set temperature.
- Safety Lock Mode – allows the user to lock the shower at a chosen temperature and flow, or lock whilst turned off.
- Shower Duration Timer – allows the user to set the duration of the shower.
- High flow performance through 15mm pipework supplies.
- Large inline serviceable filters for ease of servicing and to keep the shower clear of waterborne debris.
- Quality electronic connectors, plug ins and sheathed communications cable.
- Manufactured from engineering grade materials.

Product Range

Mira Magna Universal Variable (UV) Water Delivery System

Control Panel with an adjustable spray showerhead with four different spray actions (Start, Champagne, Massage and Eco), supplied complete with flexible hose, clamp bracket assembly, slide bar, supports and wall-mounted soap dish. Suitable for use with falling or rear pipework supplies.

Mira Magna Built-in Rigid (BIR) Water Delivery System

Control Panel with an adjustable spray fixed showerhead with four different spray actions (Start, Champagne, Massage and Eco), supplied with wall-mounted soap dish. Suitable for connection to concealed pipework supplies only.

Mira Digital Mixer High Pressure

Digital Mixer Valve for High Pressure systems, with power cabling and integral brass connectors.

Mira Digital Mixer Pumped

Digital Mixer Valve Pumped for gravity systems, with power cabling and integral brass connectors.

Magna Mira Digital Remote Control (Optional)

Activate warm-up, or turn the shower on/off remotely. Can be used handheld or wall-mounted (Mounted bracket included). Wireless, no batteries required. Up to 10 metres range. Sold in a complete pack with the full delivery system. New 'remote' fittings pack works with existing customer stock of valves. No fuss installation and works straight out of the box.

Mira Magna remote control

Mira Magna BIR Built-in rigid

Mira Magna Digital Mixer Valve

Technical Information

Principle of Operation

The Mira Magna Water Delivery System works with the Mira Digital Mixer. The Mira Magna Water Delivery System has a control panel with push buttons and a temperature control knob, which allows for additional safety and performance functions. The Digital Mixer is situated away from the shower area making the installation simple and limits the amount of disruption to the bathroom. The Magna panel and the Digital Mixer are connected by an easy to install data cable.

Limitations of Use

- The Mira Magna Water Delivery System should not be used for an application where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.
- The Digital Mixer should be-mounted in a dry location and where it will not freeze.

Temperature

- Twin digital sensors.
- Instant shut off, should either the hot or cold supply fail.
- Adjustable maximum temperature stop 39°C - 48°C - factory set to 45°C.
- Temperature control range: full cold and 30°C - 48°C.
- Maximum hot water temperature: 65°C.
- Minimum hot water temperature above maximum temperature stop: +2°C.

Pressure: Mira Digital Mixer High Pressure Inlet supplies:

- Minimum maintained pressure: 0.5 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure imbalance: 3:1.

Pressure: Mira Digital Mixer Pumped Inlet supplies:

- Minimum maintained pressure: 0.01 bar.
- Maximum maintained pressure: 1.0 bar.
- Maximum static pressure: 1.0 bar.
- Maximum pressure imbalance: 3:1.

Accessories

- 3 metre extension data cable from the Water Delivery System to the Digital Mixer.

Guarantee

- The Mira Magna control and the Mira Digital Mixer Valve is guaranteed for five years from date of purchase against faulty materials or workmanship.
- All other fittings are guaranteed for one year against faulty materials or workmanship.
- Optional warranty available. Contact Mira Customer Support.

Application

The Mira Magna Water Delivery System is suitable for installation as part of the following plumbing systems when used in conjunction with an appropriate Mira Magna Digital Mixer:

- Mira Digital Mixer Pumped - Gravity fed hot and cold supplies only.
- Mira Digital Mixer High Pressure - Fully modulating instantaneous gas heated.
- Mira Digital Mixer High Pressure - mains pressurised (heated from a thermal store).
- Mira Digital Mixer High Pressure - unvented mains pressure.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any other particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by an installer or contractor who is registered, or is a member of an association.
- The electrical installation must comply with “Requirements for Electrical Installations” (commonly referred to as the IEE Wiring Regulations) or any particular regulations and practices specified by the electricity supply company.
- Protect the product from damage whilst making soldered connections. Some fluxes can cause damage to plastic components.

Mira Magna Universal Variable (UV) Water Delivery System

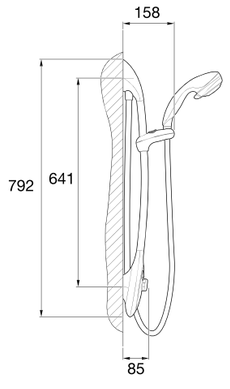
- Surface-mounted water delivery system and control panel.
- Inlet connection: accept top or back entry supplies.
- Inlet connection: 15mm Push-fit.
- Data cable to Digital Mixer connection: plug-in.

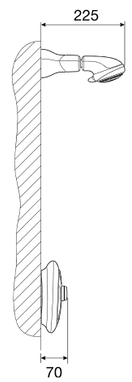
Mira Magna Built-in Rigid (BIR) Water Delivery System

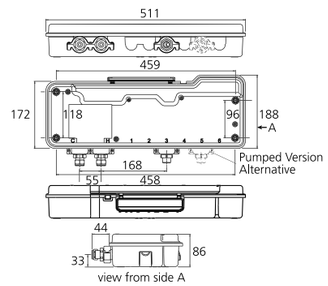
- Built-in water delivery system and separate control panel.
- Inlet connection: accept back entry supplies.
- Inlet connections: 15mm compression.
- Showerhead mounting bracket for thin panel thicknesses between 6 - 25mm, or solid, dry lined or stud partition walls.
- Data cable to Digital Mixer connection: plug-in.

Mira Digital Mixer Pumped and High Pressure

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- The storage cistern for the pumped variant should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.
- Data cable to Water Delivery System and Control connection: plug-in.
- Power supply unit to Digital Mixer connection: plug-in.
- In accordance with the current edition of the “Plugs and Sockets etc. (Safety) Regulations” in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The appliance must be connected to a 3 Amp switched fused spur box.
- Metal pipe-work must be earth bonded.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%.
- Digital Mixer Valve Pumped – Must be-mounted at least 100mm below the outlet of the cold water tank.
- Isolators should be fitted for inlets and outlets.







BEAB Approved CE WRAS APPROVED PRODUCT

Magna Waterveil

Description

- Digital intelligence featuring full thermostatic shower control with an adjustable maximum temperature setting.
- Instant cut-off, should either the hot or cold water supply fail.
- Easy selection flow control buttons with three flow options from gentle water saving to full power shower.
- Light touch temperature control with warm up feature allowing the unit to be warmed up to the desired pre-set temperature.
- Safety Lock Mode – allows the user to lock the shower at a chosen temperature and flow, or lock whilst turned off.
- Shower Duration Timer – allows the user to set the duration of the shower.
- High flow performance through 15mm pipework supplies.
- Large inline serviceable filters for ease of servicing and to keep the shower clear of waterborne debris.
- Quality electronic connectors, plug ins and sheathed communications cable.
- Manufactured from engineering grade materials.

Product Range

Mira Magna Waterveil Bracket Water Delivery System

Control Panel with an adjustable spray showerhead with five different spray actions (Veil, Soothe, Awaken, Refresh and Jet), supplied complete with flexible hose, wall mounting bracket, right angle connector and wall-mounted soap dish. Suitable for connection to concealed pipework supplies only.

Mira Magna Waterveil Bar Water Delivery System

Control Panel with an adjustable spray fixed showerhead with five different spray actions (Veil, Soothe, Awaken, Refresh and Jet), supplied complete with flexible hose, right angle connector, clamp bracket assembly, slide bar, supports and integral soap dish

Mira Digital High Pressure

Digital Mixer Valve for High Pressure systems, with power cabling and integral brass connectors.

Mira Digital Pumped

Digital Mixer Valve Pumped for gravity systems, with power cabling and integral brass connectors.

Magna Mira Digital Remote Control (Optional)

Activate warm-up, or turn the shower on/off remotely. Can be used handheld or wall-mounted (Mounted bracket included). Wireless, no batteries required. Up to 10 metres range. Sold in a complete pack with the full delivery system. New 'remote' fittings pack works with existing customer stock of valves. No fuss installation and works straight out of the box.

Mira Magna Waterveil Bracket
Water Delivery System

Mira Magna Waterveil BAR
Water Delivery System

Mira Magna remote control

Mira Magna Pump

Technical Information

Principle of Operation

The Mira Magna Waterveil Water Delivery System works with the Mira Digital Mixer. The Mira Magna Waterveil Water Delivery System has a control panel with push buttons and a temperature control knob, which allows for additional safety and performance functions. The Digital Mixer is situated away from the shower area making the installation simple and limits the amount of disruption to the bathroom. The Magna Waterveil panel and the Digital Mixer are connected by an easy to install data cable.

Limitations of Use

- The Mira Magna Waterveil Water Delivery System should not be used for an application where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.
- The Digital Mixer should be-mounted in a dry location and where it will not freeze.

Temperature

- Twin digital sensors.
- Instant shut off, should either the hot or cold supply fail.
- Adjustable maximum temperature stop 39°C - 48°C - factory set to 45°C.
- Temperature control range: full cold and 30°C - 48°C.
- Maximum hot water temperature: 65°C.
- Minimum hot water temperature above maximum temperature stop: +2°C.

Pressure: Mira Digital Mixer High Pressure (inlet supplies):

- Minimum maintained pressure: 0.5 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure imbalance: 3:1.

Pressure: Mira Digital Mixer High Pressure (inlet supplies):

- Minimum maintained pressure: 0.01 bar.
- Maximum maintained pressure: 1.0 bar.
- Maximum static pressure: 1.0 bar.
- Maximum pressure imbalance: 3:1.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- The blended water temperature is maintained within 1°C.
- The unit will effect a shutdown to no flow in typically 2 seconds if the cold supply fails.
- Shutdown to no flow is effected only if the hot supply is a minimum of 2°C above the blend temperature.

Accessories

- 3 metre extension data cable from the Water Delivery System to the Digital Mixer.

Guarantee

- The Mira Magna control and the Mira Digital Mixer Valve is guaranteed for five years from date of purchase against faulty materials or workmanship.
- All other fittings are guaranteed for one year against faulty materials or workmanship.
- Optional warranty available. Contact Mira Customer Support.

Application

The Mira Magna Waterveil Water Delivery System is suitable for installation as part of the following plumbing systems when used in conjunction with an appropriate Mira Magna Digital Mixer:

- Mira Digital Mixer Pumped - gravity fed hot and cold supplies only.
- Mira Digital Mixer High Pressure - fully modulating instantaneous gas heated.
- Mira Digital Mixer High Pressure - mains pressurised (heated from a thermal store).
- Mira Digital Mixer High Pressure - unvented mains pressure.

Installation

- The plumbing installation must comply with the requirements of UK Water regulations/Bylaws (Scotland), Building Regulations or any other particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by an Installer or contractor who is registered, or is a member of an association.
- The electrical installation must comply with “Requirements for Electrical Installations” (commonly referred to as the IEE Wiring Regulations) or any particular regulations and practices specified by the electricity supply company.
- Protect the product from damage whilst making soldered connections. Some fluxes can cause damage to plastic components.

Mira Magna Waterveil Bracket Water Delivery System

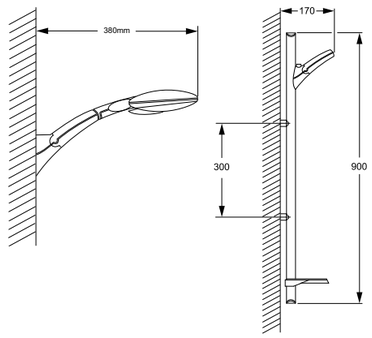
- Surface-mounted water delivery system and control panel.
- Inlet connection (right angle connector): 15mm compression fitting.
- Outlet connection: standard flexible hose connection.
- Data cable to Digital Mixer connection: plug-in.

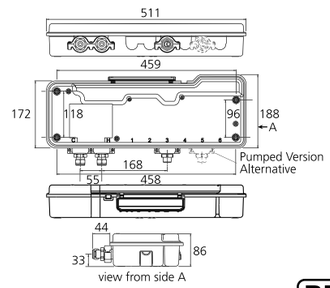
Mira Magna Waterveil Bar Water Delivery System

- Surface-mounted water delivery system and control panel.
- Inlet connection (right angle connector): 15mm compression fitting.
- Outlet connection: standard flexible hose connection.
- Data cable to Digital Mixer connection: plug-in.

Mira Digital Mixer Pumped and High Pressure

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- The storage cistern for the Pumped variant should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.
- Data cable to water Delivery System and Control connection: plug-in.
- Power supply unit to Digital Mixer connection: plug-in.
- In accordance with the current edition of the “Plugs and Sockets etc. (Safety) Regulations” in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The appliance must be connected to a 3 Amp switched fused spur box.
- Metal Pipe-work must be earth bonded.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%.
- Digital Mixer Valve Pumped – must be-mounted at least 100mm below the outlet of the cold water tank.
- Isolators should be fitted for inlets and outlets.





BEAB Approved

CE

WRAS Approved Product

Magna BSM

Description

- Digital intelligence featuring full thermostatic shower control with an adjustable maximum temperature setting.
- Instant cut-off, should either the hot or cold water supply fail.
- Easy selection flow control buttons with three flow options from gentle water saving to full power shower.
- Light touch temperature control with warm up feature allowing the unit to be warmed up to the desired pre-set temperature.
- Safety Lock Mode – allows the user to lock the shower at a chosen temperature and flow, or lock whilst turned off.
- Shower Duration Timer – allows the user to set the duration of the shower.
- High flow performance through 15mm pipework supplies.
- Large inline serviceable filters for ease of servicing and to keep the shower clear of waterborne debris.
- Quality electronic connectors, plug ins and sheathed communications cable.
- Manufactured from engineering grade materials.
- Bath fill level memory.

Product Range

Mira Magna BSM 1 Control

Control Panel can be deck or wall-mounted with an adjustable spray showerhead with four different spray actions (Start, Champagne, Massage and Eco), supplied complete with flexible hose, clamp bracket assembly, slide bar, supports and wall-mounted soap dish. Supplied with 1 of 3 spout options.

Mira Magna BSM 2 Control

Control Panel can be deck or wall-mounted with additional slidebar-mounted with an adjustable spray showerhead with four different spray actions (Start, Champagne, Massage and Eco), supplied complete with flexible hose, clamp bracket, slide bar, supports and wall-mounted soap dish. Suitable for use with falling or rear pipework supplies.

Mira BSM Digital Mixer High Pressure

BSM Digital Mixer Valve for High Pressure systems, with power cabling and integral brass connectors.

Mira BSM Digital Mixer Pumped

BSM Digital Mixer Valve Pumped for gravity systems, with power cabling and integral brass connectors.

Magna Mira Digital Remote Control (Optional)

Activate warm-up, or turn the shower on/off remotely. Can be used handheld or wall-mounted (Mounted bracket included). Wireless, no batteries required. Up to 10 metres range. Sold in a complete pack with the full delivery system. New 'remote' fittings pack works with existing customer stock of valves. No fuss installation and works straight out of the box.

All systems

5 YEAR GUARANTEE

Mira Magna Bath Shower Mixer
One control with deck-mounted bath spout

Wall-mounted bath spout

Deck-mounted bath spout

Overflow bath filler

Mira Magna remote control

Technical Information

Principle of Operation

The Mira Magna BSM works with the Mira BSM Digital Mixer. The Mira Magna BSM has a control panel with push buttons and a temperature control knob which allows for additional safety and performance functions. The BSM Digital Mixer is situated away from the shower/bath area making the installation simple and limits the amount of disruption to the bathroom. The Magna BSM control panel and the BSM Digital Mixer are connected by an easy to install data cable.

Limitations of Use

- The Mira Magna BSM should not be used for an application where an outlet flow control forms part of the system.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.
- The BSM Digital Mixer should be-mounted in a dry location and where it will not freeze.

Temperature

- Twin digital sensors.
- Instant shut off, should either the hot or cold supply fail.
- Adjustable maximum temperature stop 39°C - 48°C - factory set to 45°C. Independently adjustable for bath and shower.
- Temperature control range: full cold and 30°C - 48°C.
- Maximum hot water temperature: 65°C.
- Minimum hot water temperature above maximum temperature stop: +2°C.

Pressure: Mira BSM BSM Digital Mixer High Pressure (inlet supplies):

- Minimum maintained pressure: 0.5 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure imbalance: 3:1.

Pressure: Mira BSM BSM Digital Mixer High Pressure (inlet supplies):

- Minimum maintained pressure: 0.2 bar.
- Maximum maintained pressure: 1.0 bar.
- Maximum static pressure: 1.0 bar.
- Maximum pressure imbalance: 3:1.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, and nominally equal inlet supply pressures:

- The blended water temperature is maintained within 1°C.
- The unit will effect a shutdown to no flow in typically 2 seconds if the cold supply fails.
- Shutdown to no flow is effected only if the hot supply is a minimum of 2°C above the blend temperature.

Accessories

- 3 metre extension data cable from the Water Delivery System to the BSM Digital Mixer.

Guarantee

- The Mira Magna control and the Mira BSM Digital Mixer Valve is guaranteed for five years from date of purchase against faulty materials or workmanship.
- All other fittings are guaranteed for one year against faulty materials or workmanship.
- Optional warranty available. Contact Mira Customer Support.

Application

The Mira Magna BSM is suitable for installation as part of the following plumbing systems when used in conjunction with an appropriate Mira Magna BSM Digital Mixer:

- Mira BSM Digital Mixer Pumped - gravity fed hot and cold supplies only.
- Mira BSM Digital Mixer High Pressure - fully modulating instantaneous gas heated.
- Mira BSM Digital Mixer High Pressure - mains pressurised (heated from a thermal store).
- Mira BSM Digital Mixer High Pressure - unvented mains pressure.

Installation

- The plumbing installation must comply with the requirements of UK Water regulations/Bylaws (Scotland), Building Regulations or any other particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by an Installer or contractor who is registered or is a member of an association.
- The electrical installation must comply with “Requirements for Electrical Installations” (commonly referred to as the IEE Wiring Regulations) or any particular regulations and practices specified by the electricity supply company.
- Protect the product from damage whilst making soldered connections. Some fluxes can cause damage to plastic components.

Mira Magna BSM 1 Control

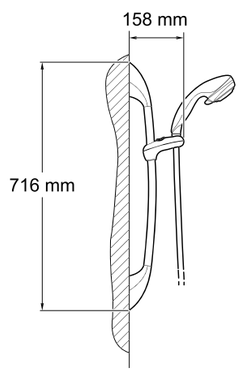
- Surface-mounted shower kit and surface or wall-mounted bath/shower control panel.
- Inlet connection bathfill: G¾ Spouts, G½ overflow filler.
- Data cable to BSM Digital Mixer connection: plug-in.

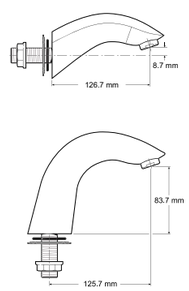
Mira Magna Waterveil BSM 2 Controls

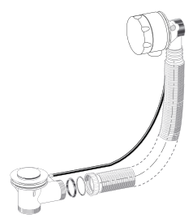
- Surface-mounted shower kit with integrated shower controls and separate bath/shower control panel.
- Inlet connection bathfill: G¾ Spouts, G½ overflow filler.
- Inlet connection shower: 15mm push-fit. accept top or back entry supplies.
- 2 x data cables to BSM Digital Mixer connection: plug-in, via junction box.

Mira BSM Digital Mixer Pumped and High Pressure

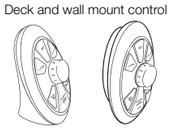
- Inlet connections: 22mm compression.
- Shower outlet connection: 15mm compression.
- The storage cistern for the Pumped variant should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.
- Data cable to water Delivery System and Control connection: plug-in.
- Power supply unit to BSM Digital Mixer connection: plug-in.
- In accordance with the current edition of the “Plugs and Sockets etc. (Safety) Regulations” in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The appliance must be connected to a 3 Amp switched fused spur box.
- Metal Pipe-work must be earth bonded.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%.
- BSM Digital Mixer Valve Pumped – must be-mounted at least 100mm below the outlet of the cold water tank.
- Isolators should be fitted for inlets and outlets.
- Both outlet connections: 22mm compression.







Deck and wall mount control



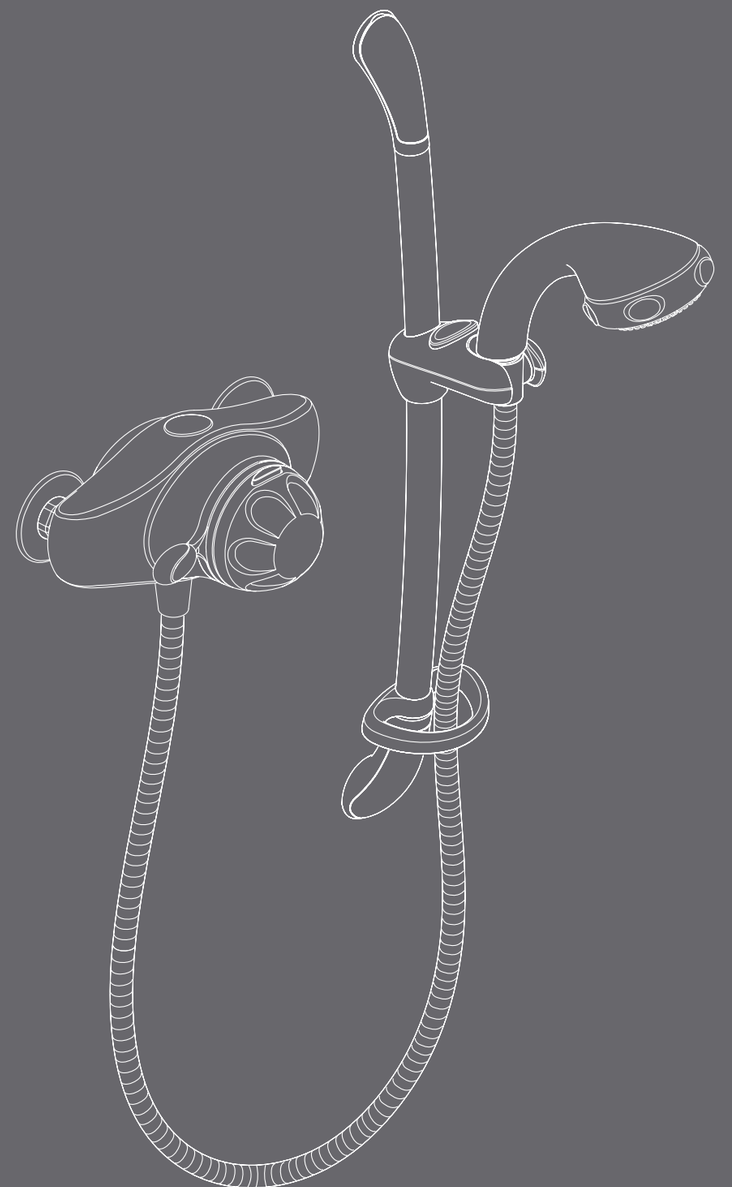
BEAB Approved

CE WRAS Approved Product

Mixer Showers

Mira has been leading the way in mixer shower technology for decades. But while we remain true to our founding principles of quality engineering and design, we're constantly introducing new features and models to make them easier to use and to fit.

There's a Mira mixer for every type of flow, and every taste. Fresh, contemporary designs complement any bathroom, while thermostatic technology available on most of our range ensure the shower is 100% safe. With adjustable parts and flexible fittings, every mixer shower is a simple, one-man job to install. Easy access to filters and parts make maintenance easy too, and of course you can always rely upon Mira's excellent spares service.



Extra BSM

Description

- 3/4" bath and thermostatic shower control with easily adjusted temperature limit.
- Conventional non-thermostatic bath-fill via independent hot and cold tap heads.
- Single knob control for selection of on/off and separate shower temperature.
- Automatic shutdown of the shower control to seepage should the cold water supply fail.
- Body manufactured from corrosion resistant brass.

Product Range

Mira Extra BSM

Bath-mounted 3/4" bath and thermostatic shower control connection to two 3/4" tail pipes. Supplied complete with a Mira Response Adjustable Spray showerhead with three different spray actions (Start, Soothe and Force), hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

All systems

1 YEAR GUARANTEE

Mira Extra bath shower mixer with adjustable showerhead, chrome and white finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Extra BSM should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Adjustable maximum temperature limit.
- Temperature control range: 35°C-45°C.
- Maximum hot water temperature: 82°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential: 12°C (between blend and hot).

Temperature (bath fill only)

- Full hot to full cold can be selected by the separate hot and cold taps.

Pressure (inlet supplies)

- Minimum maintained pressures: 0.1 bar (gravity fed),1.0 bar (gas water heater).
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 5:1.

Performance

- The bath taps will provide water at the hot and cold supply temperature from the bath fill outlet.
- The single central knob allows the shower temperatures selected to range from the cold water supply temperature through to the pre-set maximum.
- The maximum blend temperature for the shower is factory set at 42°C. This can be re-set according to site requirements.
- Accurate maximum blend temperature can be set using typical inlet supply temperature: cold 10-15°C, hot 60-65°C.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

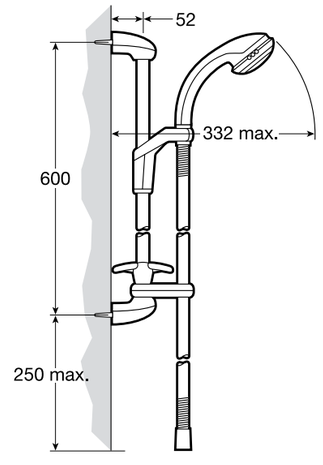
The Mira Extra BSM is designed for installation as part of the following plumbing systems:

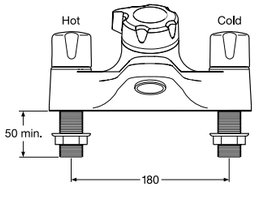
- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Extra BSM is used at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface deck-mounted.
- Inlet connections: 2 x $^{3}/_{4}$" BSP male tail pipes, suitable for all baths with tap holes conforming to British Standards.
- Shower outlet connection: $^{1}/_{2}$" BSP male.





Excel BSM

Description

- Mira Excel BSM is a fully thermostatic bath and shower mixer with an integral flow control and divertor.
- Conventional non-thermostatic bath-fill.
- Single lever control for selection of on/off and separate shower temperature.
- Automatic shutdown of the shower control to seepage should the cold water supply fail.
- Body manufactured from corrosion resistant brass.

Product Range

Mira Excel BSM

Bath-mounted 3/4" thermostatic bath and shower control connection to two 3/4" tail pipes. Supplied complete with a Mira Logic Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco), hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Excel bath shower mixer with adjustable showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic bath and shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Excel BSM should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Adjustable maximum temperature limit.
- Temperature control range: 35°C-45°C.
- Maximum hot water temperature: 82°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential: 12°C (between blend and hot).

Pressure (inlet supplies)

- Minimum maintained pressures: 0.2 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 5:1.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

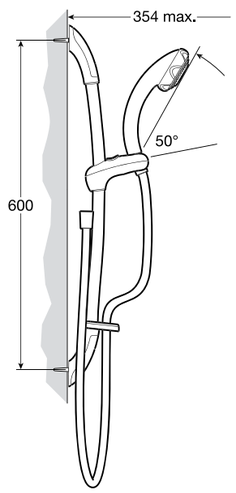
The Mira Excel BSM is designed for installation as part of the following plumbing systems:

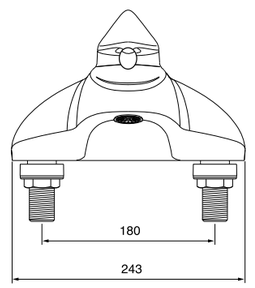
- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Excel BSM is used at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface deck-mounted.
- Inlet connections: 2 x ¾" BSP male tail pipes, at 180mm centres.
- Shower outlet connection: ½" BSP male.





Coda

Description

- Thermostatic shower control.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Independent spray force and temperature selection controls.
- Temperature limited to a safe, factory-set maximum. This can be overridden by the user during showering and also adjusted during installation.
- Inlet filters are provided for protection against waterborne debris.
- Sealed-for-life thermostatic and flow cartridges aid ease of servicing. Suitable for use with both high and low pressure applications.
- Patented bracket for simple wall mounting.
- Body and inlet fittings manufactured from corrosion resistant brass.

Product Range

Mira Coda (Including Fittings)

Surface-mounted shower control and Mira Coda fittings kit including adjustable spray showerhead with three different spray actions, hose, clamp bracket, slide bar and hose retaining ring.

Mira Coda (Valve Only)

Surface-mounted shower control.

Mira Coda EV surface-mounted model with adjustable showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature. It automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Coda should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Maximum inlet hot water temperature: 90°C for short periods (BS 6700 recommends a maximum of 65°C).
- Minimum inlet hot water temperature: 55°C.
- Minimum temperature differential between blend and hot: 12°C.
- Hot and cold supplies to be at a nominally equal pressure.
- Maximum pressure imbalance 5:1.

Pressure (inlet supplies)

- Minimum pressure: 0.1 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.

Performance

- Flow rate is fully adjustable.
- Temperature is user selectable from full cold to a factory set safe maximum, which can be over-ridden by the user if required.
- Wax capsule thermostatic cartridge technology controls outlet temperature stability between 20ºC and 50ºC.
- Optimum thermostatic control between 35°C and 45°C (the specification outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures).
- The blended water temperature is maintained within 2°C with a 10°C change in either the hot or cold supply.
- The Mira Coda will effect a shutdown to seepage in typically two seconds if either the hot or cold supply fails (note: shutdown to seepage will only occur if the hot supply is more than 10°C above the blend temperature).

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar is available, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship.

Application

The Mira Coda is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

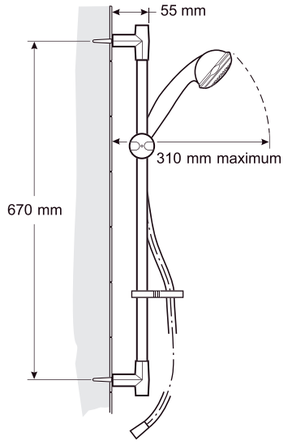
† When the Mira Coda is used with mains pressure appliances at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

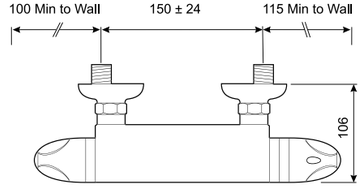
Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Mira Coda Thermostatic Shower Valve

- Adjustable inlet elbows accept rear entry supplies.
- Variable inlet centres: 126 - 174mm.
- Inlet connections: ½" BSP male.
- Outlet connection: ½" BSP male.
- Patented mounting bracket supplied for simple installation to stud partition, laminated panel or unfixed pipework.





WRAS APPROVED PRODUCT

Element

Description

- Thermostatic ½" shower control.
- Single control lever for on/off and temperature control.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure applications.
- Replaceable cartridge for ease of servicing.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Durable chrome plated metal control lever.
- Adjustable maximum temperature stop.
- Easily accessible large inlet filters.

Product Range

Mira Element EV

Surface-mounted shower control with adjustable spray showerhead with four different spray actions, hose, clamp bracket, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Element BIV

Built-in shower control with adjustable spray showerhead with four different spray actions, hose, clamp bracket, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Element BIR

Built-in shower control with fixed showerhead with a single spray action.

Mira Element

Surface-mounted shower control.

Mira Element B

Built-in shower control for connection to concealed pipework and including right-angle hose connector.

All systems

5 YEAR GUARANTEE

Mira Element BIV built-in model with adjustable showerhead, chrome finish

Mira Element EV surface-mounted model with adjustable showerhead, chrome finish

Mira Element BIR built-in model with fixed showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control turns flow on/off and mixes hot and cold water to the desired showering temperature. It automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature. If either supply fails, the shower control will automatically shut down to prevent scalding.

Limitations of Use

- Mira Element should not be used for applications where an outlet flow control forms part of the shower fitting.

Temperature

- Maximum inlet hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 12°C.
- Hot and cold supplies to be at a nominally equal pressure.
- Maximum pressure imbalance 5:1.

Pressure (inlet supplies)

- Minimum pressure: 0.1 bar (1m to showerhead).
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, and nominally equal inlet supply pressures:

- Temperature selection range: full cold to preset maximum (factory set is 43°C).
- Thermostatic temperature control is achieved in the range 35°C - 45°C.
- The blended water temperature is maintained within 2°C with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50%.
- For high pressure supplies a flow regulator (supplied) should be fitted to the outlet.

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship.

Application

Mira Element is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

† When the Mira Element is used with mains pressure appliances at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Installation

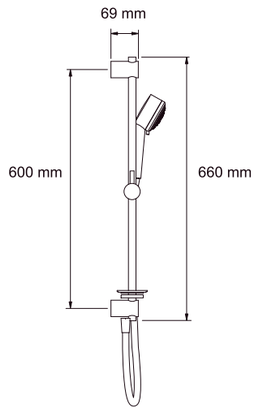
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

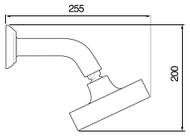
Mira Element Surface-mounted (shower control only)

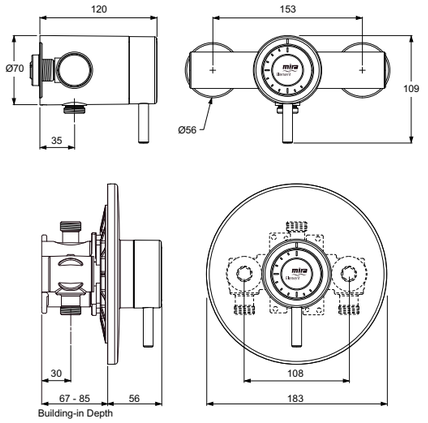
- Inlet elbows accept falling, rising or rear entry supplies.
- Inlet connections: 15mm compression.
- Outlet connection: ½" BSP flat face.
- Reversed inlet supplies supported.
- Alternative top or bottom outlet supported.

Mira Element Built-in (shower control only)

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket for thin panel thicknesses between 4 - 21mm, or solid, dry lined or stud partition walls.
- Rising and falling inlet supplies go directly into the shower control without the need for additional elbows.
- Right-angle hose connector.
- Built-in shroud for product protection during plastering.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.







WRAS APPROVED PRODUCT

Silver

Description

- Thermostatic ½" shower control.
- Single control lever for on/off and temperature control.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure applications.
- Replaceable cartridge for ease of servicing.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Durable chrome plated metal control lever.
- Adjustable maximum temperature stop.
- Easily accessible large inlet filters.

Product Range

Mira Silver EV

Surface-mounted shower control with adjustable spray showerhead with four different spray actions, hose, clamp bracket, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Silver BIV

Built-in shower control with adjustable spray showerhead with four different spray actions, hose, clamp bracket, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Silver BIR

Built-in shower control with fixed showerhead with a single spray action.

Mira Silver

Surface-mounted shower control for connection to falling, rising or rear entry pipework.

Mira Silver B

Built-in shower control for connection to concealed pipework and including right-angle hose connector.

✓ All systems

5 YEAR GUARANTEE

Mira Silver BIV built-in model with adjustable showerhead, chrome finish

Mira Silver EV surface-mounted model with adjustable showerhead, chrome finish

Mira Silver BIR built-in model with fixed showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control turns flow on/off and mixes hot and cold water to the desired showering temperature. It automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature. If either supply fails, the shower control will automatically shut down to prevent scalding.

Limitations of Use

- Mira Silver should not be used for applications where an outlet flow control forms part of the shower fitting.

Temperature

- Maximum inlet hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 12°C.
- Hot and cold supplies to be at a nominally equal pressure.

Pressure (inlet supplies)

- Minimum pressure: 0.1 bar (1m to showerhead)
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, and nominally equal inlet supply pressures.

- Temperature selection range: full cold to preset maximum (factory set is 43°C).
- Thermostatic temperature control is achieved in the range 35°C - 45°C.
- The blended water temperature is maintained within 2°C with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50%.
- For high pressure supplies a flow regulator (supplied) should be fitted to the outlet.

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship.

Application

Mira Silver is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

† When the Mira Silver is used with mains pressure appliances at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Installation

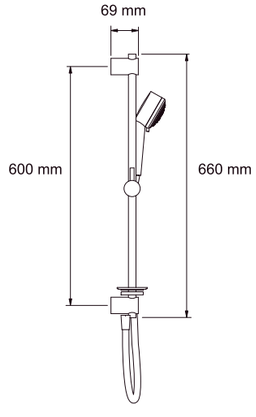
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

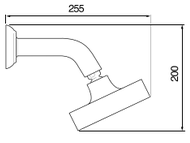
Mira Silver Surface-mounted (shower control only)

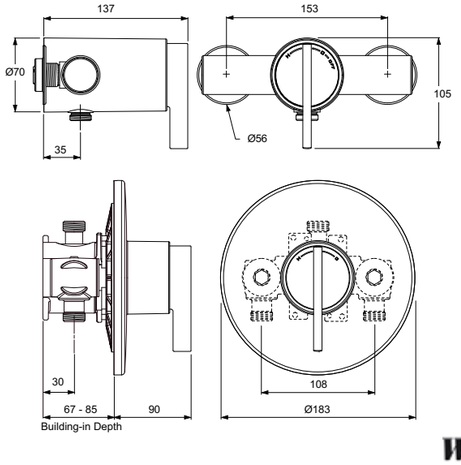
- Inlet elbows accept falling, rising or rear entry supplies.
- Inlet connections: 15mm compression.
- Outlet connection: ½" BSP flat face.
- Reversed inlet supplies supported.
- Alternative top or bottom outlet supported.

Mira Silver Built-in (shower control only)

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket: for thin panel thicknesses between 4 - 21mm, or solid, dry lined or stud partition walls.
- Rising and falling inlet supplies go directly into the shower control without the need for additional elbows.
- Right-angle hose connector.
- Built-in shroud for product protection during plastering.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.







WRAS APPROVED PRODUCT

Gem 88

Description

- Manual ½" shower control.
- Independent spray force and temperature selection controls.
- High flow performance through 15mm pipework supplies.
- Adjustable pipe centres - 149mm to 154mm.
- Ceramic disc mechanism.
- Trim moulded from engineering plastics and polymers.

Product Range

Mira Gem 88-EV

Surface-mounted shower control. Supplied complete with a Mira Response Adjustable Spray showerhead with three different spray actions (Start, Soothe and Force), hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Gem 88 B-BIV

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Response Adjustable Spray showerhead with three different spray actions (Start, Soothe and Force), hose, clamp bracket, soap dish, slide bar, right-angle connector and hose retaining ring.

Mira Gem 88 B-BIR

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Response fixed showerhead offering three different spray actions (Start, Soothe and Force).

Mira Gem 88

Surface-mounted replacement shower control.

Mira Gem 88 B

Built-in replacement shower control for connection to concealed pipework.

Technical Information

Limitations of Use

- The Mira Gem 88 should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.
- The temperature and pressure of the hot and cold water supplies should be relatively constant.

Temperature

- Manual (non-thermostatic) control.
- Maximum hot water temperature: 85°C. (BS6700 recommends a maximum of 65°C.)

Pressure

- Minimum maintained pressure: 0.1 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H; outlet double check valve for use with pressure above 0.2 bar, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship.
- Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Gem 88 is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Mains pressurised (heated from a thermal store).
- Unvented mains pressure.
- Pumped.

* Not suitable for use with combination boilers.

Installation

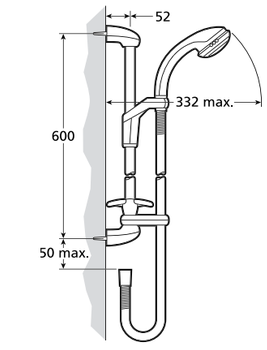
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

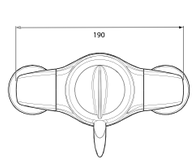
Mira Gem 88-EV, Mira Gem 88

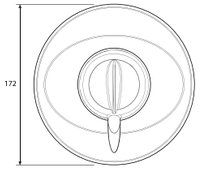
- Surface-mounted.
- Inlet elbows accept falling, rising or rear supply.
- Variable inlet centres: 149mm to 154mm.
- Inlet connections: 15mm compression.
- Outlet connection: ½" BSP male or 15mm compression.
- Reversible cartridge for hot supply on left or right (can be adjusted after installation without isolating supplies).
- In applications above 1.0 bar inlet pressure we recommend the flow regulator supplied with the product is fitted.

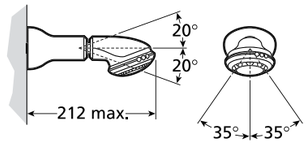
Mira Gem 88B-BIV, Mira Gem 88B-BIR, Mira Gem 88B

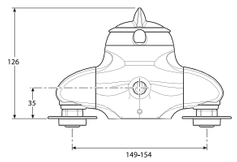
- Built-in.
- Inlet connections: ½" BSP female.
- Outlet connection: ½" BSP female.
- Mounting bracket: for thin panel thicknesses between 2-16mm, or solid, dry lined or stud partition walls.
- Inlet supplies: Hot left, cold right. Top outlet.
- Reverse inlet connection supported.
- Alternative top or bottom outlet supported.

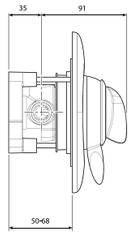












Discovery

Description

- Thermostatic ½" shower control.
- Independent spray force and temperature selection controls.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Adjustable maximum temperature stop.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure applications.
- Replaceable cartridge for ease of servicing.
- Easily accessible large inlet filters.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Trims chrome plated ABS.
- Durable chrome plated metal controls.

Product Range

Mira Discovery EV

Surface-mounted shower control with adjustable spray showerhead with four different spray actions, hose, clamp bracket, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Discovery BIV

Built-in shower control with adjustable spray showerhead with four different spray actions, hose, clamp bracket, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Discovery BIR

Built-in shower control with fixed showerhead with a single spray action.

Mira Discovery

Surface-mounted shower control for connection to falling, rising or rear entry pipework.

Mira Discovery B

Built-in shower control for connection to concealed pipework and including right-angle hose connector.

All systems

3 YEAR GUARANTEE

Mira Discovery Concentric BIV built-in concentric model with adjustable showerhead, chrome finish

1. **2.** **3.** **4.** **5.** **6.**

1.Mira Discovery Concentric EV surface-mounted concentric model with adjustable showerhead, chrome finish

2.Mira Discovery Concentric BIR built-in concentric model with fixed showerhead, chrome finish

3.Mira Discovery Dual BIV built-in dual model with adjustable showerhead, chrome finish

3.Mira Discovery Dual BIV built-in dual model with adjustable showerhead, chrome finish

5.Mira Discovery Dual BIR built-in dual model with fixed showerhead, chrome finish

6.Mira Discovery Taps see page 88 for tap.

Technical Information

Principle of Operation

This fully thermostatic shower control has independent controls for spray force and temperature selection, it mixes hot and cold water to the desired showering temperature. It automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature. If the cold supply fails, the shower control will automatically shutdown to prevent scalding.

Limitations of Use

- Mira Discovery should not be used for applications where an outlet flow control forms part of the shower fitting.

Temperature

- Maximum inlet hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 12°C.
- Hot and cold supplies to be at a nominally equal pressure.

Pressure

- Minimum pressure: 0.1 bar (1m to showerhead).
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure imbalance 5:1.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, and nominally equal inlet supply pressures.

- Temperature selection range: full cold to preset maximum (factory set is 43°C).
- Thermostatic temperature control is achieved in the range 35°C - 45°C.
- The blended water temperature is maintained within 2°C with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50%.
- For high pressure supplies a flow regulator (supplied) should be fitted to the outlet.

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for three years from date of purchase against faulty materials or workmanship.

Application

Mira Discovery is suitable for installation as part of the following plumbing systems:

- Gravity fed. †
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

† When the Mira Discovery is used with mains pressure appliances at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Installation

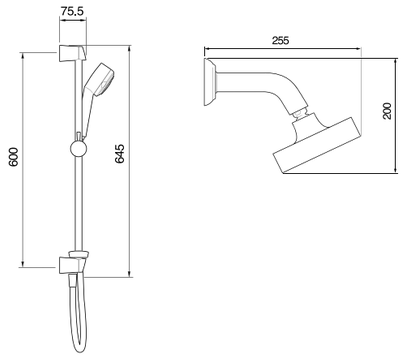
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

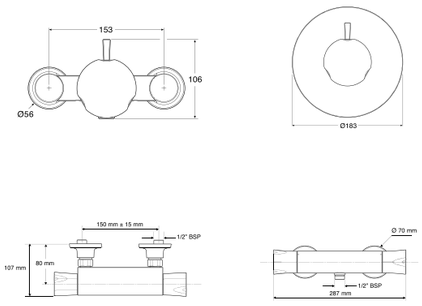
Mira Discovery Surface-mounted (shower control only)

- Inlet elbows accept falling, rising or rear entry supplies.
- Inlet connections: 15mm compression.
- Outlet connection: ½" BSP flat face.
- Reversed inlet supplies supported.
- Alternative top or bottom outlet supported.

Mira Discovery Built-in (shower control only)

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket: for thin panel thicknesses between 4 - 21mm, or solid, dry lined or stud partition walls.
- Rising and falling inlet supplies go directly into the shower control without the need for additional elbows.
- Right-angle hose connector.
- Building-in shroud for product protection during plastering.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.





Combiforce 415

Description

- Pressure balanced ½" shower control featuring maximum temperature stop with override facility (can be disabled).
- Maximum temperature stop prevents selection of a showering temperature which is too hot.
- Single sequential control for on/off and selection of temperature.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Sealed-for-life, plug-in cartridge for ease of servicing.
- Body machined from corrosion resistant brass.
- Trim moulded from engineering plastics and polymers.
- Serviceable in-line filters.

Product Range

Mira Combiforce 415-EV

Surface-mounted shower control for connection to exposed pipework. Supplied complete with a Mira Response Power showerhead with three different spray actions (Start, Champagne and Massage), hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Combiforce 415 B-BIV

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Response fixed showerhead offering three different spray actions (Start, Champagne and Massage).

Mira Combiforce 415

Surface-mounted shower control for connection to exposed pipework.

Mira Combiforce 415 B

Built-in shower control for connection to concealed pipework.

HIGH COMBI

High pressure systems

1 YEAR GUARANTEE

Mira Combiforce 415 EV surface-mounted model with adjustable showerhead, chrome finish

Also available in:

White/ Chrome

White

Mira Combiforce 415 BIV
built-in model with adjustable showerhead, chrome finish

Mira Combiforce 415 BIR
built-in model with fixed showerhead, chrome finish

Technical Information

Principle of Operation

The shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in supply pressures. However it will not compensate for changes in the temperature of the water supplies.

Limitations of Use

- The Mira Combiforce 415 should not be used for applications where an outlet flow control forms part of the shower fitting.
- The inlet supply pressures should be nominally equal.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution. Light golden products should be cleaned using a soft damp cloth only.
- The temperature of the hot and cold water supplies must be relatively constant.

Temperature

- Automatic shutdown to seepage.
- Adjustable maximum temperature stop with override button which can be used to select a higher shower temperature.
- Maximum hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Total angular movement of the control knob is 270° (3/4 turn including override).

Pressure (inlet supplies)

- Pressure balanced control system.
- Minimum maintained pressure: 1.0 bar. †
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.

† Allowing for 50% reduction in the pressure of either supply.

Accessories

- Optional DCV-H: outlet double check valve for use with pressure above 1.0 bar, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Combiforce 415 is designed for installation as part of the following plumbing systems:

- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Combiforce 415 is used at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

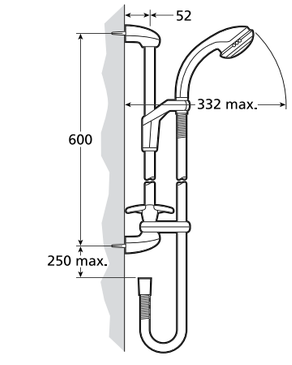
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

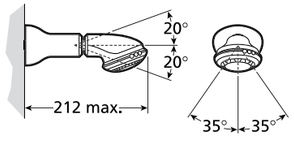
Mira Combiforce 415-EV, Mira Combiforce 415

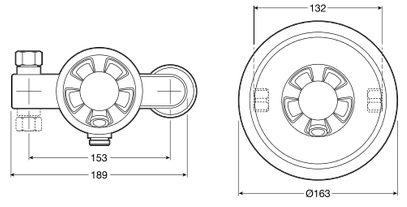
- Surface-mounted.
- 360° swivel inlet connectors.
- Inlet connections: 15 mm compression or ½" BSP male.
- Outlet connection: 15mm compression or ½" BSP male.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.

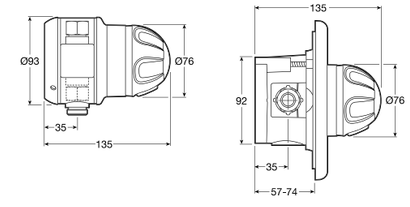
Mira Combiforce 415B-BIV, Mira Combiforce 415B-BIR, Mira Combiforce 415B

- Built-in.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression or ½" BSP male.
- Mounting bracket: for thin panel thicknesses between 4 - 21mm, or solid, dry lined or stud partition walls.
- Building-in shroud for product protection during plastering up.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.









Combiflow

Description

- Pressure balanced ½" shower control featuring maximum temperature stop with override facility (can be disabled).
- Single lever spray force and temperature selection control.
- High flow performance through 15mm pipework supplies.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Ceramic plate temperature control mechanism to resist scale formation.
- Body machined from corrosion resistant brass.
- Trim manufactured from engineering grade materials.

Product Range

Mira Combiflow-EV

Surface-mounted shower control for connection to rear entry or exposed rising or falling pipework. Supplied complete with Mira Linesse Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment, metal hose, clamp bracket, wall-mounted soap dish, slide bar and hose retaining ring/gel hook.

Mira Combiflow B-BIV

Built-in shower control for connection to concealed pipework. Supplied complete with Mira Linesse Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment, metal hose, clamp bracket, wall-mounted soap dish, slide bar, right-angle connector and hose retaining ring/gel hook.

Mira Combiflow, BIR

Built-in shower control for connection to concealed pipework. Supplied complete with Mira Linesse fixed showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment and a wall-mounted soap dish.

HIGH COMBI

High pressure systems

3 YEAR GUARANTEE

Mira Combiflow BIV built-in model with adjustable showerhead, chrome finish

Mira Combiflow EV surface-mounted model with adjustable showerhead, chrome finish

Mira Combiflow BIR built-in model with fixed showerhead, chrome finish

Style matched taps

Mira Excel Taps
see page 00 for taps

Technical Information

Principle of Operation

The shower control mixes hot and cold water to the desired temperature and automatically compensates for variation in supply pressures. A ceramic based mixing cartridge is backed with a separate pressure-balancing cartridge. However, it will not compensate for changes in either of the temperatures of the hot and cold water supplies.

Limitations of Use

- The Mira Combiflow should not be used for applications where an outlet flow control forms part of the shower fitting.
- The initial inlet supply pressures should be nominally equal.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.
- The temperature of the hot and cold water supplies must be relatively constant.

Temperature

- Automatic shutdown to seepage.
- Adjustable maximum temperature stop with override button which can be used to select a higher shower temperature.
- Temperature override function can be disabled for maximum temperature setting.
- Total angular turn of the control lever is 130° (including override).

Pressure (inlet supplies)

- Pressure balanced control system.
- Minimum maintained pressure: 1.0 bar. †
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.

† Allowing for 50% reduction in the pressure of either supply. For occasional variances in system pressure the Mira Combiflow will maintain the spray pattern down to 0.2 bar.

Accessories

- Optional DCV-H: outlet double check valve for use with pressure above 1.0 bar, providing an alternative method of complying with Water Regulations.
- Additional control lever available should the hot and cold supplies be reversed. This is available free of charge. Please contact Mira Customer Support.

Guarantee

- Guaranteed for three years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Combiflow is designed for installation as part of the following plumbing systems:

- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Combiflow is used at pressures above 5.0 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

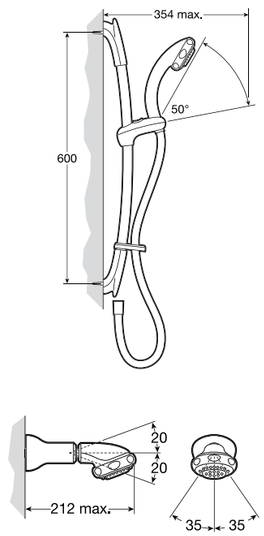
Mira Combiflow-EV

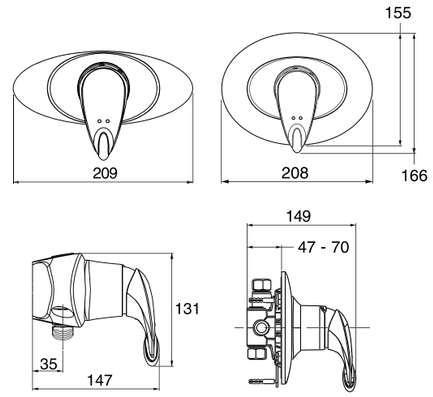
- Surface-mounted.
- Inlet elbows accept rising, falling or rear entry supply.
- Inlet connections: 15 mm compression or ½" BSP male or female.
- Outlet connection: ½" BSP male or female.

Mira Combiflow B-BIV, Mira Combiflow B-BIR

- Built-in.
- Inlet connections: 15mm compression or ½" BSP male.
- Outlet connection: 15mm compression or ½" BSP male.
- Mounting bracket: for thin panel thicknesses between 4 - 21mm, or solid, dry lined or stud partition walls.
- Building-in shroud for product protection during plastering up.
- Reversed inlet connections.
- Alternative top or bottom outlet supported*.

*Contact Mira Customer Support for reversed control lever. Available free of charge.





WRAS APPROVED PRODUCT

Minibelle

Description

- Vertical format thermostatic ½” shower control.
- Separate control levers for flow and temperature selection.
- Cool touch valve surface.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure water supply systems.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Durable chrome plated metal control levers.

Product Range

Mira Minibelle EV

Mira Minibelle surface-mounted shower control with adjustable spray showerhead, with partial rub clean nozzles, hose, clamp bracket, slide bar and hose retaining ring.

Mira Minibelle surface-mounted model with adjustable showerhead, chrome finish

Technical Information

Limitations of Use

- Mira Minibelle should not be used for applications where an outlet flow control forms part of the shower fitting.

Application

Mira Minibelle is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

† When the Mira Minibelle is used with mains pressure appliances at pressures above 5 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Supply Conditions

Recommended hot inlet supply temperature 55-65°C.

Maximum hot temperature 85°C (Maximum recommended is 65°C Ref BS6700).

Recommended cold temperature 5-25°C.

Minimum cold temperature 1°C.

Hot and cold supplies to be at a nominally equal pressure.

Min maintained pressure 0.1 bar (1m to showerhead).

Max maintained 5.0 bar

Max static 10.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, the mixed temperature in the range 35°C-45°C and nominally equal inlet supply pressures.

- Temperature selection range: Full cold to preset maximum (factory set at 43°C) but can be easily reset depending on site conditions
- The blended water temperature is typically maintained within 2°C with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails, provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50% (0.5 bar maintained).
- For high pressure supplies, a 12l/min flow regulator (supplied) should be fitted to the outlet.

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar, providing an alternative method (to the hose retaining ring) of complying with Water Regulations.

Maintenance

- This product is designed to be maintenance free apart from inlet filters which should be cleaned regularly.
- Maintenance should be carried out in accordance with the information published in the Installation and User Guide, supplied with each product. This guide should be retained by the user for future reference.
- Conveniently situated isolating valves must be fitted in the supply pipework to allow complete maintenance of the product.

Guarantee

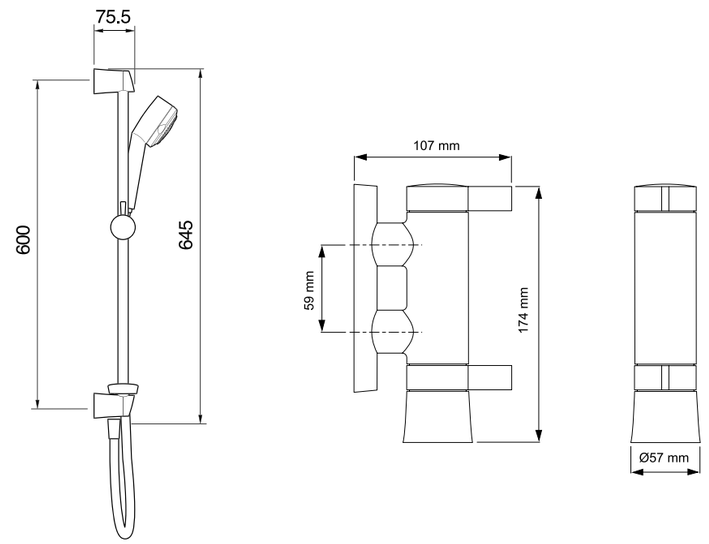
- Guaranteed for three years from date of purchase against faulty materials or workmanship.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

Mira Minibelle Surface-mounted (Shower control only)

- Rear inlet supplies only.
- Vertical inlet pipe centres - 59mm
- Inlet connections: 15mm compression.
- Outlet connection: ½” BSP flat face.



BEAB Approved CE WRAS APPROVED PRODUCT

Miniluxe

Description

- Vertical format thermostatic ½” shower control.
- Separate control levers for flow and temperature selection.
- Cool touch valve surface.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure water supply systems.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Durable chrome plated metal control levers.

Product Range

Mira Miniluxe EX

Mira Miniluxe surface-mounted shower control with rigid riser & 8” fixed showerhead, with rub clean nozzles.

Mira Miniluxe surface-mounted model with rigid riser and fixed showerhead, chrome finish

Technical Information

Limitations of Use

- Mira Miniluxe should not be used for applications where an outlet flow control forms part of the shower fitting.

Application

Mira Miniluxe is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

† When the Mira Miniluxe is used with mains pressure appliances at pressures above 5 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Supply Conditions

Recommended hot inlet supply temperature 55-65°C.

Maximum hot temperature 85°C (Maximum recommended is 65°C Ref BS6700).

Recommended cold temperature 5-25°C.

Minimum cold temperature 1°C.

Hot and cold supplies to be at a nominally equal pressure.

Min maintained pressure 0.1 bar (1m to showerhead).

Max maintained 5.0 bar.

Max static 10.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, the mixed temperature in the range 35°C-45°C and nominally equal inlet supply pressures.

- Temperature selection range: Full cold to preset maximum (factory set at 43°C) but can be easily reset depending on site conditions
- The blended water temperature is typically maintained within 2°C with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails, provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50% (0.5 bar maintained).
- For high pressure supplies, a 12l/min flow regulator (supplied) should be fitted to the outlet.

Maintenance

- This product is designed to be maintenance free apart from inlet filters which should be cleaned regularly.
- Maintenance should be carried out in accordance with the information published in the Installation and User Guide, supplied with each product. This guide should be retained by the user for future reference.
- Conveniently situated isolating valves must be fitted in the supply pipework to allow complete maintenance of the product.

Guarantee

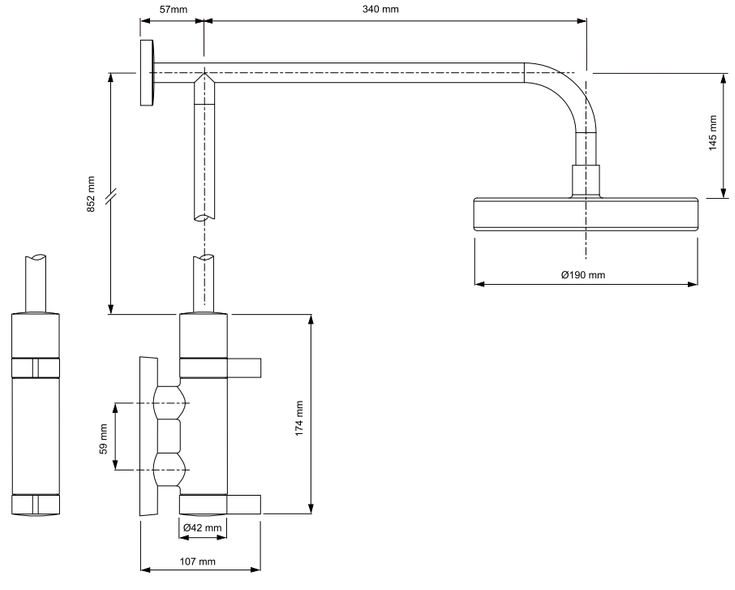
- Guaranteed for three years from date of purchase against faulty materials or workmanship.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

Mira Miniluxe Surface-mounted (Shower control only)

- Rear inlet supply only.
- Vertical inlet pipe centres - 59mm.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.



BEAB Approved CE WRAS APPROVED PRODUCT

Miniduo

Description

- Miniature sized thermostatic ½” shower control.
- Separate controls for flow and temperature selection.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure water supply systems.
- Automatic shutdown to seepage should the hot or cold water supplies fail.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Durable chrome plated metal control lever.

Product Range

Mira Miniduo EV

Mira Miniduo surface-mounted shower control with adjustable showerhead, hose, clamp bracket, slide bar and hose retaining ring.

Mira Miniduo BIV

Mira Miniduo built-in shower control, including right-angle hose connector, with adjustable showerhead, hose, clamp bracket, slide bar and hose retaining ring.

Mira Miniduo

Surface-mounted shower control for connection to falling, rising or rear entry pipework.

Mira Miniduo B

Built-in shower control for connection to concealed pipework and including right-angle hose connector.

Mira Miniduo BIV built-in model with adjustable showerhead, chrome finish

Mira Miniduo EV surface-mounted model with adjustable showerhead, chrome finish

Technical Information

Limitations of Use

- Mira Miniduo should not be used for applications where an outlet flow control forms part of the shower fitting.

Application

Mira Miniduo is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

† When the Mira Miniduo is used with mains pressure appliances at pressures above 5 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Supply Conditions

Recommended hot inlet supply temperature 55-65°C.

Maximum hot temperature 85°C (Maximum recommended is 65°C Ref BS6700).

Recommended cold temperature 5-25°C.

Minimum cold temperature 1°C.

Hot and cold supplies to be at a nominally equal pressure.

Min maintained pressure 0.1 bar (1m to showerhead).

Max maintained 5.0 bar.

Max static 10.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, the mixed temperature in the range 35°C-45°C and nominally equal inlet supply pressures.

- Temperature selection range: Full cold to preset maximum (factory set at 43°C) but can be easily reset depending on site conditions
- The blended water temperature is typically maintained within 2°C with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails, provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50% (0.5 bar maintained).
- For high pressure supplies, a 12l/min flow regulator (supplied) should be fitted to the outlet.

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar, providing an alternative method (to the hose retaining ring) of complying with Water Regulations.
- Universal retrofit kit with adjusting elbows, designed to allow the thermostatic mixer to accept pipework centres between 133mm – 153mm and a mounting plate designed to hide the majority of previous valve screw holes. Available as an optional accessory from your Kohler Mira stockists.

Maintenance

- This product is designed to be maintenance free apart from inlet filters which should be cleaned regularly.
- Maintenance should be carried out in accordance with the information published in the Installation and User Guide, supplied with each product. This guide should be retained by the user for future reference.
- Conveniently situated isolating valves must be fitted in the supply pipework to allow complete maintenance of the product.

Guarantee

- Guaranteed for three years from date of purchase against faulty materials or workmanship.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

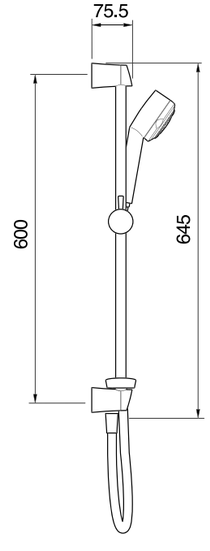
Mira Miniduo Surface-mounted (Shower control only)

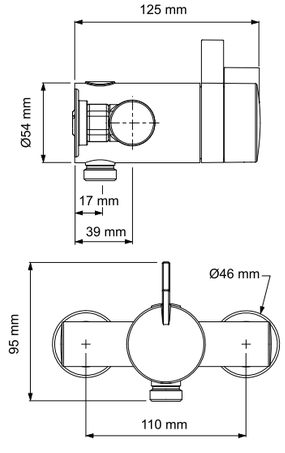
- Inlet elbows accept falling, rising or rear entry supplies.
- Inlet pipe centres - 110mm*
- Inlet connections: 15mm compression.
- Outlet connection: ½” BSP flat face.
- Reversed inlet supplies supported.
- Alternative top or bottom outlet supported.

* Universal retrofit kit is available, allowing the Miniduo to fit pipe centres between 133mm – 153mm

Mira Miniduo Built-in (Shower control only)

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket: for easy rear mounting.
- Rising and falling inlet supplies go directly into the shower control without the need for additional elbows.
- Right-angle hose connector.
- Easily accessible filters.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.





BEAB Approved CE WRAS APPROVED PRODUCT

Minilite

Description

- Miniature sized thermostatic ½” shower control.
- Single control lever for on/off and temperature selection.
- High flow performance through 15mm pipework supplies. Suitable for use with both high and low pressure water supply systems.
- Automatic shutdown to seepage should the hot or cold water supplies fail.
- Body and inlet fittings manufactured from corrosion resistant brass.
- Durable chrome plated metal control lever.

Product Range

Mira Minilite EV

Mira Minilite surface-mounted shower control with single mode showerhead, hose, clamp bracket, slide bar and hose retaining ring.

Mira Minilite BIV

Mira Minilite built-in shower control including wall outlet with single mode showerhead, hose, clamp bracket, slide bar and hose retaining ring.

Mira Minilite

Surface-mounted shower control for connection to falling, rising or rear entry pipework.

Mira Minilite B

Built-in shower control for connection to concealed pipework and including right-angle hose connector.

Mira Minilite EV surface mounted model with adjustable showerhead, chrome finish

Mira Minilite BIV built-in model with adjustable showerhead, chrome finish

Technical Information

Limitations of Use

- Mira Minilite should not be used for applications where an outlet flow control forms part of the shower fitting.

Application

Mira Minilite is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped. †

†When the Mira Minilite is used with mains pressure appliances at pressures above 5 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams in the Installation and User Guide for its position.

Supply Conditions

Recommended hot inlet supply temperature 55-65°C.

Maximum hot temperature 85°C (Maximum recommended is 65°C Ref BS6700).

Recommended cold temperature 5-25°C.

Minimum cold temperature 1°C.

Hot and cold supplies to be at a nominally equal pressure.

Min maintained pressure 0.1 bar (1m to showerhead).

Max maintained 5.0 bar.

Max static 10.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, the mixed temperature in the range 35°C-45°C and nominally equal inlet supply pressures.

- Temperature selection range: Full cold to preset maximum (factory set at 43°C) but can be easily reset depending on site conditions
- The blended water temperature is typically maintained within 2°C, with a 10°C change in either the hot or cold supply temperatures.
- Shutdown to seepage in typically two seconds if either the hot or cold supply fails, provided the hot supply is more than 12°C above the blend temperature.
- The blended water is maintained within a 2°C range, when the pressure of either supply is reduced by 50% (0.5 bar maintained).
- For high pressure supplies, a 12l/min flow regulator (supplied) should be fitted to the outlet.

Accessories

- Optional DCV-H: outlet double check valve for use with pressures above 0.2 bar, providing an alternative method (to the hose retaining ring) of complying with Water Regulations.
- Universal retrofit kit with adjusting elbows, designed to allow the thermostatic mixer to accept pipework centres between 133mm – 153mm and a mounting plate designed to hide the majority of previous valve screw holes. Available as an optional accessory from your Kohler Mira stockists.

Maintenance

- This product is designed to be maintenance free apart from inlet filters which should be cleaned regularly.
- Maintenance should be carried out in accordance with the information published in the Installation and User Guide, supplied with each product. This guide should be retained by the user for future reference.
- Conveniently situated isolating valves must be fitted in the supply pipework to allow complete maintenance of the product.

Guarantee

- Guaranteed for three years from date of purchase against faulty materials or workmanship.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage when making soldered connections. Some fluxes may cause damage to plastic components.

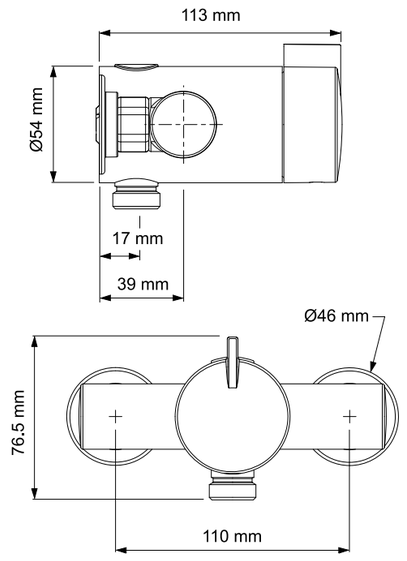
Mira Minilite Surface-mounted (Shower control only)

- Inlet elbows accept falling, rising or rear entry supplies.
- Inlet pipe centres - 110mm*
- Inlet connections: 15mm compression.
- Outlet connection: ½” BSP flat face.
- Reversed inlet supplies supported.
- Alternative top or bottom outlet supported.

* Universal retrofit Kit is available, allowing the Minilite to fit pipe centres between 133mm – 153mm

Mira Minilite Built-in (Shower control only)

- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket: for easy rear mounting.
- Rising and falling inlet supplies go directly into the shower control without the need for additional elbows.
- Right-angle hose connector.
- Easily accessible filters
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.



WRAS APPROVED PRODUCT

Fino

Description

- Optimised for high pressure systems but works effectively on all systems provided the minimum pressure of 0.2 bar is achieved.
- Thermostatic ½" shower control with an adjustable and over-rideable maximum temperature stop (may be disabled).
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Independent spray force and temperature selection controls.
- High flow performance through 15mm pipework supplies.
- Sealed-for-life, plug-in cartridge for ease of servicing.
- Ceramic plate flow control mechanism to resist scale formation.
- Body machined from corrosion resistant brass.
- Trim manufactured from engineering grade materials.

Product Range

Mira Fino EV

Surface-mounted shower control. Supplied complete with a Mira Linesse Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment, metal hose, clamp bracket, wall-mounted soap dish, slide bar and a hose retaining ring/gel hook.

Mira Fino BIV

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Linesse Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment, metal clad hose, clamp bracket, wall-mounted soap dish, slide bar, right-angle connector and a hose retaining ring/gel hook.

Mira Fino BIR

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Linesse fixed showerhead offering four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment and a wall-mounted soap dish.

Mira Fino

Surface-mounted shower control.

Mira FinoB

Built-in shower control for connection to concealed pipework.

Mira Fino EV surface-mounted model with adjustable showerhead, chrome finish

Mira Fino BIV built-in model with adjustable showerhead, chrome finish

Mira Fino BIR built-in model with fixed showerhead, chrome finish

Style matched taps

Mira Fino Taps
see page 90 for taps

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature

Limitations of Use

- The Mira Fino should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution. Light golden products should be cleaned using a soft damp cloth only.

Temperature

- Wax capsule temperature sensor.
- Automatic shutdown to seepage within 2 seconds if cold supply fails.
- Adjustable and over-rideable maximum temperature stop (may be disabled).
- Temperature control range: 30°C - 50°C.
- Maximum hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential: 12°C (between blend and hot).

Pressure (inlet supplies)

- Optimum minimum maintained pressure: 0.2 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 10:1.

For occasional variances in system pressure the Mira Fino will maintain the spray pattern and thermostatic performance down to 0.2 bar.

Accessories

- Optional DCV-H: outlet double check valve is available for use instead of the Hose Retaining Ring, providing an alternative method of complying with Water Regulations.

Performance

The specification performance outlined below for the low pressure setting is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- Close thermostatic control achieved in the range 30°C to 50°C.
- The blended water temperature is maintained within 1°C with a 10°C change in the hot and cold supply.
- The Mira Fino will effect a shutdown to seepage in typically two seconds if the cold supply fails.
- Shutdown to seepage is effected only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water is maintained within +/- 1°C with a pressure loss ratio of 2:1 on either the hot and cold side.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Fino is designed for installation as part of the following plumbing systems:

- Gravity fed (provided minimum 0.2 bar pressure is achievable.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Fino is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

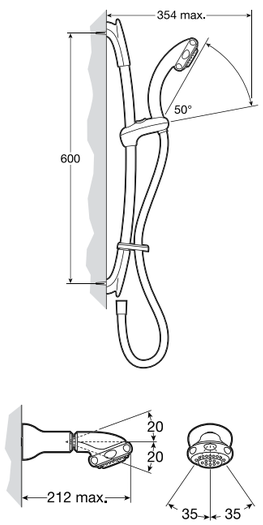
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes can cause damage to plastic components.

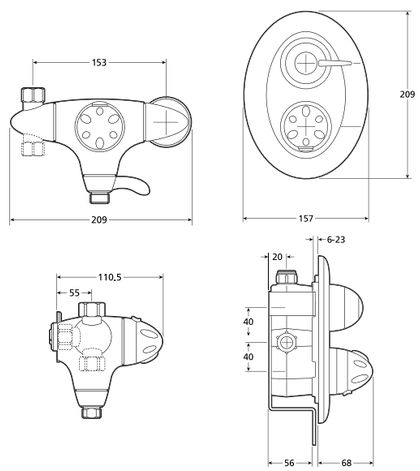
Mira Fino-EV

- Surface-mounted.
- Inlet connectors accept top, bottom or back entry supplies.
- Inlet connections: 15mm compression, ½" BSP male.
- Outlet connection: ½" BSP male.
- Reversed inlet connections supported.
- Large serviceable inlet filters.

Mira Fino B-BIV and Mira Fino B-BIR

- Built-in.
- Leak-safe complete body seal.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket for thin panel thicknesses between: 4 - 21mm, or solid, dry lined or stud partition walls.
- Built-in shroud for product protection during plastering up.
- Reversed inlet connections supported.
- Large serviceable inlet filters.





Excel

Description

- The UK's best selling thermostatic mixer shower.
- Adjustable inlets on exposed models between 150mm and 155mm.
- Thermostatic ½" shower control with an adjustable and over rideable maximum temperature stop (may be disabled).
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Independent spray force and temperature selection controls.
- High flow performance through 15mm pipework supplies.
- Sealed-for-life plug-in cartridge for ease of servicing. Suitable for use with all pressure applications.
- Ceramic plate flow control mechanism to resist scale formation.
- Body machined from corrosion resistant brass.
- Trim manufactured from engineering grade materials.

Product Range

Mira Excel-EV

Surface-mounted shower control. Supplied complete with a Mira Logic Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment, metal clad hose, clamp bracket, wall-mounted soap dish, slide bar and a hose retaining ring/gel hook.

Mira Excel BIV

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Logic Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment, metal clad hose, clamp bracket, wall-mounted soap dish, slide bar, right-angle connector and a hose retaining ring/gel hook.

Mira Excel BIR

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Logic fixed showerhead offering four different spray actions (Start, Soothe, Force and Eco) and rubberised finger grips for ease of adjustment and a wall-mounted soap dish.

Mira Excel

Surface-mounted shower control.

Mira Excel B

Built-in shower control for connection to concealed pipework.

All systems

5 YEAR GUARANTEE

Mira Excel EV surface-mounted model with adjustable showerhead, chrome finish

Mira Excel BIV built-in model with adjustable showerhead, chrome finish

Mira Excel BIR built-in model with fixed showerhead, chrome finish

Mira Excel Taps see page 114 for taps

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Excel should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution. Light golden products should be cleaned using a soft damp cloth only.

Temperature

- Wax capsule temperature sensor.
- Automatic shutdown to seepage within 2 seconds if cold supply fails.
- Adjustable and over-rideable maximum temperature stop (may be disabled).
- Temperature control range: 30°C - 50°C.
- Maximum hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential: 12°C (between blend and hot).

Pressure (inlet supplies)

- Minimum maintained pressure: 0.1 bar.
- Maximum maintained pressure: 5.0 bar.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 10:1.

Performance

The specification performance outlined below for the low pressure setting is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- Close thermostatic control achieved in the range 30°C to 50°C.
- The blended water temperature is maintained within 1°C with a 10°C change in the hot and cold supply.
- The Mira Excel will effect a shutdown to seepage in typically two seconds if the cold supply fails.
- Shutdown to seepage is effected only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water is maintained within +/- 1°C with a pressure loss ratio of 2:1 on either the hot and cold side.

Accessories

- Optional DCV-H: outlet double check valve for use with pressure over 0.2 bar providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Excel is designed for installation as part of the following plumbing systems:

- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Excel is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

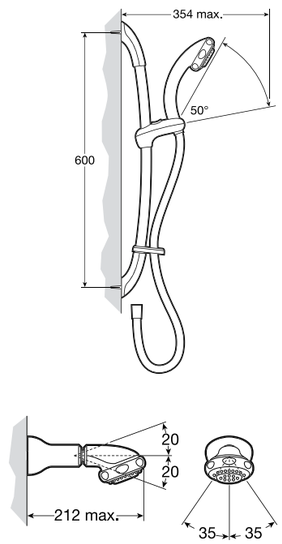
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes can cause damage to plastic components.

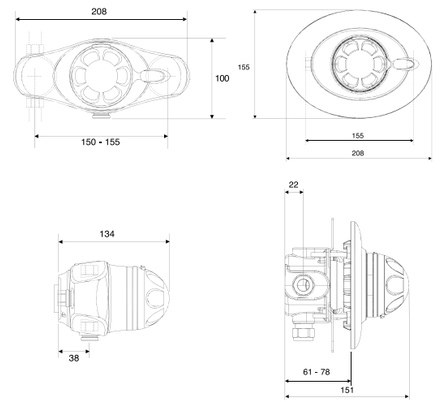
Mira Excel-EV

- Surface-mounted.
- Inlet elbows accept top, bottom or rear entry supplies.
- Adjustable inlets on exposed models between 150mm and 155mm.
- Inlet connections: 15mm compression, ½" BSP male.
- Outlet connection: ½" BSP male.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.
- Large serviceable inlet filters.

Mira Excel B-BIV and Mira Excel B-BIR

- Built-in.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket for thin panel thicknesses between 4 - 21mm, or solid, dry lined or stud partition walls.
- Building-in shroud for product protection during plastering up.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.
- Large serviceable inlet filters.





WRAS APPROVED PRODUCT

Form

Description

- Thermostatic ½" contemporary style shower control with maximum temperature stop.
- Automatic shutdown should the cold water supply fail.
- Separate control for temperature and flow.
- Body and inlet fittings are manufactured from corrosion resistant brass.
- Supplied complete with BIV shower fittings.
- Integral outlet connection.

Product Range

Mira Form

Built-in shower control for connection to concealed pipework. Supplied complete with a Mira Response adjustable spray showerhead with three spray patterns (Start, Soothe and Force) hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Form built-in model with adjustable showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Form should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Adjustable maximum temperature limit.
- Temperature control range: 35°C - 45°C.
- Maximum hot water temperature: 85°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 10°C.

Pressure

- Minimum maintained pressure: 0.15 bar (=1.5 metre head).
- Maximum maintained pressure: 5.0 bar max.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 10:1.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- The Mira Form will effect a shutdown to seepage if the cold supply fails.
- Shutdown to seepage is effected even if the hot supply is only 10°C above the blend temperature.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

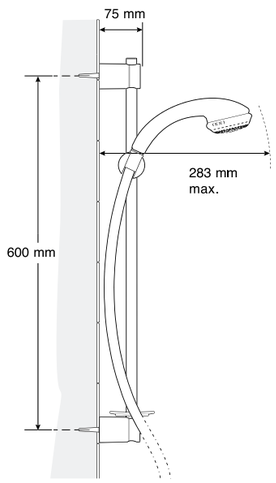
The Mira Form is designed for installation as part of the following plumbing systems:

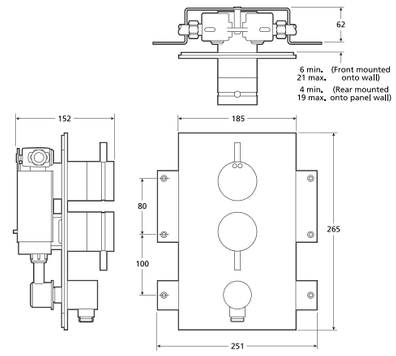
- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Form is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Built-in.
- Inlet connections: 15mm compression.
- Outlet connection: Integral – no extra pipework required.
- Reversed inlet connections supported.
- Mounting bracket for thin panel thicknesses between 6 - 21mm, or solid, dry lined or stud partition walls.
- Building-in shroud for product protection during plastering up.





WRAS APPROVED PRODUCT

Mode

Description

- Thermostatic ½" contemporary style shower control with maximum temperature stop.
- Automatic shutdown should the cold water supply fail.
- Single sequential control for selection of on/off and temperature.
- Body and inlet fittings are manufactured from corrosion resistant brass.
- Supplied complete with 8" chrome fixed showerhead.

Product Range

Mira Mode EX

Surface-mounted shower control for connection to exposed pipework with fixed 8" showerhead.

Mira Mode B

Built-in shower control for connection to concealed pipework.

All systems
*provided minimum system requirements are met - refer to page 127.

1 YEAR GUARANTEE

Mira Mode built-in model with fixed showerhead, chrome finish

Mira Mode exposed model with fixed showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Mode should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Adjustable maximum temperature limit.
- Temperature control range: 35°C - 45°C.
- Maximum hot water temperature: 85°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 10°C.

Pressure

- Minimum maintained pressure: 0.1 bar † (gravity fed) or 1.0 bar (gas water heater).
- Maximum maintained pressure: 6.0 bar max.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 5:1.

† Improved performance will be achieved with a greater head of water.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- The Mira Mode will effect a shutdown to seepage if the cold supply fails.
- Shutdown to seepage is effected even if the hot supply is only 10°C above the blend temperature.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

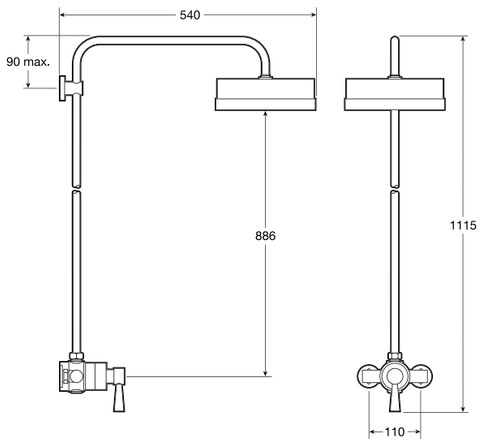
The Mira Mode is designed for installation as part of the following plumbing systems:

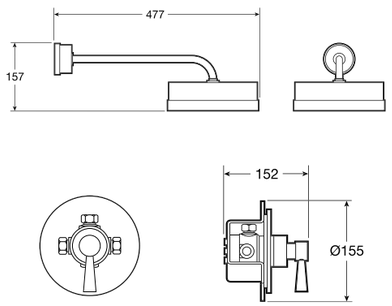
- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Mode is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Built-in.
- Inlet connections: 15mm compression.
- Outlet connection: Integral – no extra pipework required.
- Reversed inlet connections supported.
- Mounting bracket for thin panel thicknesses between 6-21mm, or solid, dry lined or stud partition walls.
- Building-in shroud for product protection during plastering up.





WRAS APPROVED PRODUCT

Realm

Description

- Thermostatic ½" antique style shower control with maximum temperature stop.
- Automatic shutdown should the cold water supply fail.
- Single sequential control for selection of on/off and temperature.
- Body and inlet fittings are manufactured from corrosion resistant brass.
- Supplied complete with Victorian style shower fittings.

Product Range

Mira Realm

Surface-mounted shower control with fixed showerhead for connection to exposed pipework.

All systems

1 YEAR GUARANTEE

Mira Realm, surface-mounted model with fixed showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Realm should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution. Light golden products should be cleaned using a soft damp cloth only.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Adjustable maximum temperature limit.
- Temperature control range: 35°C - 45°C.
- Maximum hot water temperature: 85°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 10°C.

Pressure

- Minimum maintained pressure: 0.1 bar (gravity fed) or 1.0 bar (gas water heater).
- Maximum maintained pressure: 3.0 bar max.
- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 5:1.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- The Mira Realm will effect a shutdown to seepage if the cold supply fails.
- Shutdown to seepage is effected even if the hot supply is only 10°C above the blend temperature.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

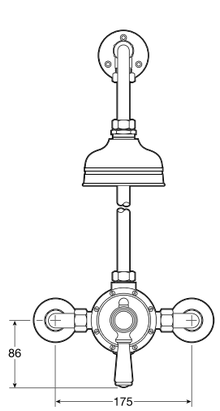
The Mira Realm is designed for installation as part of the following plumbing systems:

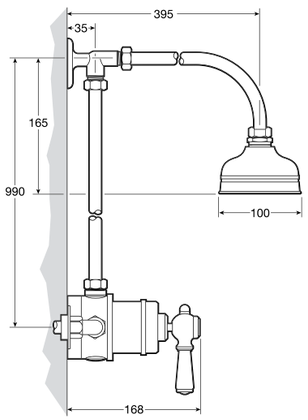
- Gravity fed
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Realm is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface-mounted.
- 360° swivel inlet connectors.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.
- Horizontal arm may be shortened if required.





WRAS APPROVED PRODUCT

Crescent

Description

- Thermostatic ½" Victorian style shower control with maximum temperature stop.
- Automatic shutdown should the cold water supply fail.
- Separate controls for temperature and flow.
- Body and inlet fittings are manufactured from corrosion resistant brass.
- Supplied complete with Victorian style shower fittings.
- Chrome shower rose available in 6" or 8" diameter.

Product Range

Mira Crescent

Built-in shower control for connection to concealed pipework with choice of head sizes.

Mira Crescent built-in model with 8" fixed showerhead

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Crescent should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Adjustable maximum temperature limit.
- Temperature control range: 35°C - 45°C.
- Maximum hot water temperature: 85°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 10°C.

Pressure

- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 10:1.

Mira Crescent with 6" Rose

- Minimum maintained pressure: 0.2 bar (= 2 metre head).
- Maximum maintained pressure: 4.0 bar.

Mira Crescent with 8" Rose

- Minimum maintained pressure: 0.2 bar (= 2 metre head).
- Maximum maintained pressure: 4.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- The Mira Crescent will effect a shutdown to seepage if the cold supply fails.
- Shutdown to seepage is effected even if the hot supply is only 10°C above the blend temperature.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

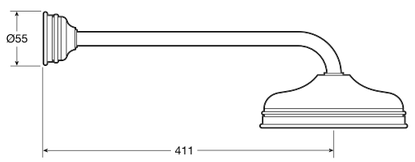
The Mira Crescent is designed for installation as part of the following plumbing systems:

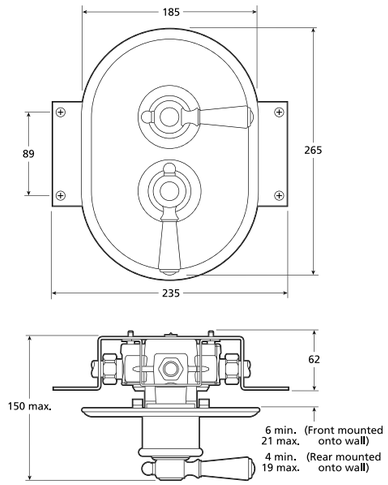
- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Crescent is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Built-in.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Reversed inlet connections supported.
- Mounting bracket for thin panel thicknesses between 6 - 21mm, or solid, drylined or stud partition walls.
- Building-in shroud for product protection during plastering up.





WRAS APPROVED PRODUCT

Montpellier

Description

- Thermostatic Victorian style shower control with maximum temperature stop.
- Automatic shutdown should the cold water supply fail.
- Single sequential control for selection of on/off and temperature.
- Divertor valve for operation of fixed shower rose or flexible handset. Note: The shower is not designed for use of both shower rose and handset together.
- Body and inlet fittings are manufactured from corrosion resistant brass.
- Supplied complete with ceramic and chrome Victorian style shower handset.
- Chrome shower rose available in 6", 8" or 12" diameter.

Product Range

Mira Montpellier

Surface-mounted shower control with fixed showerhead and handheld showerhead for connection to exposed pipework.

All systems
12" deluge head is not suitable for combi boiler systems.

1 YEAR GUARANTEE

Mira Montpellier surface-mounted model, with fixed showerhead and handheld showerhead, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Montpellier should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails
- Adjustable maximum temperature limit.
- Temperature control range: 35°C - 45°C.
- Maximum hot water temperature: 85°C (BS6700 recommends a maximum of 65°C).
- Minimum temperature differential between blend and hot: 10°C.

Pressure

- Maximum static pressure: 10.0 bar.
- Maximum pressure loss ratio: 5:1.

Mira Montpellier with 6" Rose

- Minimum maintained pressure: 0.2 bar (= 2 metre head).
- Maximum maintained pressure: 5.0 bar.

Mira Montpellier with 8" Rose

- Minimum maintained pressure: 0.2 bar (= 2 metre head).
- Maximum maintained pressure: 5.0 bar (Mira Montpellier with 12" Rose is not suitable for use with instantaneous water heaters/combination boilers).
- Minimum maintained pressure: 0.5 bar (= 5 metre head).
- Maximum maintained pressure: 5.0 bar.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot and nominally equal inlet supply pressures:

- The Mira Montpellier will effect a shutdown to seepage if the cold supply fails.
- Shutdown to seepage is effected even if the hot supply is only 10°C above the blend temperature.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

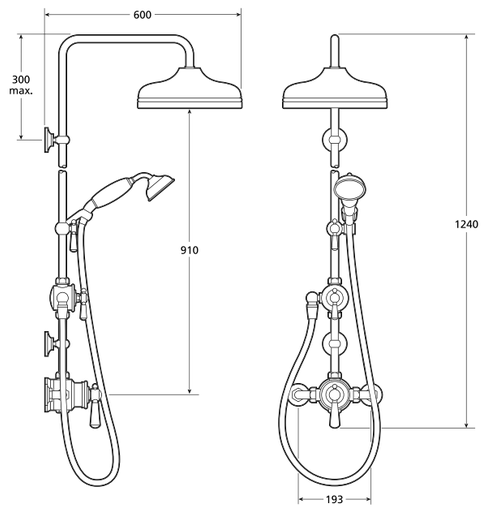
The Mira Montpellier is designed for installation as part of the following plumbing systems:

- Gravity fed.
- Fully instantaneous gas heated. †
- Mains pressurised (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped.

† When the Mira Montpellier is used at pressures above 5.0 bar maintained, a valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Surface-mounted.
- 360° swivel inlet connectors.
- Inlet connections: 22mm compression.
- Outlet connection: 19mm compression or ¾" BSP male.
- Alternative top or bottom outlet supported.

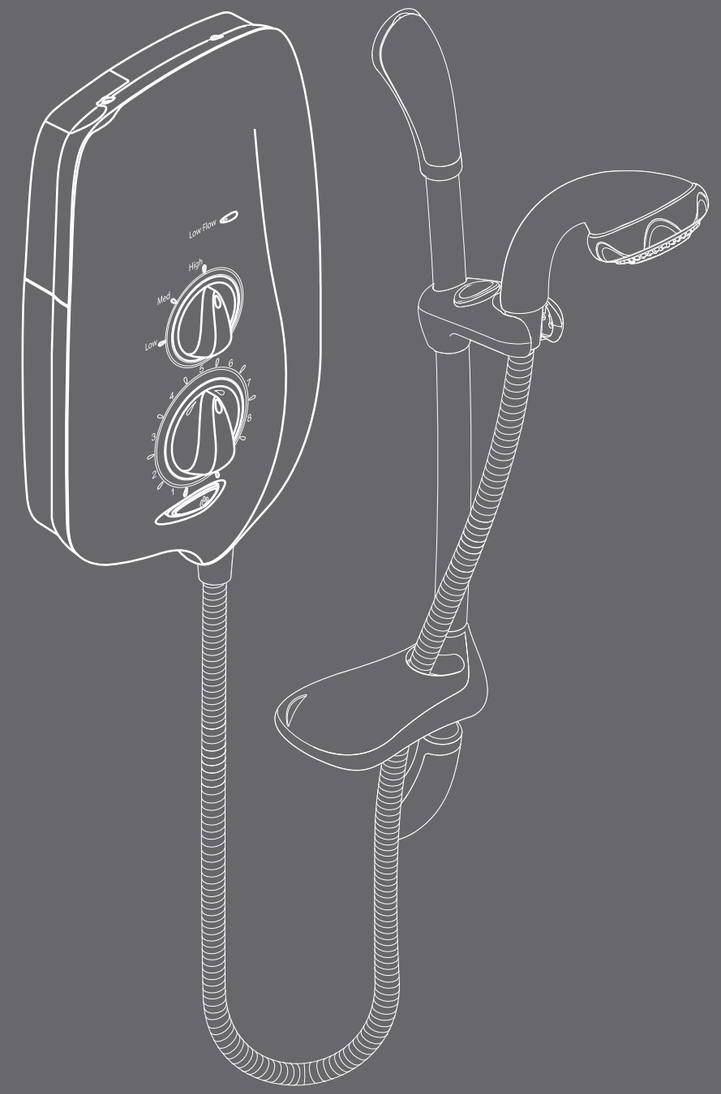


WRAS APPROVED PRODUCT

Electric showers

Safety, performance and style - Mira electric showers bring your customers so much more. Patented Mira technology ensures the very best performance, even in hard water areas, while thermostatic models are also available for even greater safety.

There's a Mira electric shower to suit every taste and every price range. From designer models to ultra-affordable units, you can always specify a Mira. Fitting is easy too, thanks to installation templates and easy access connections.



Vie

Description

- Separate power and flow/temperature controls for ease of use.
- Push button start/stop with a neon power indicator.
- Shower will cut out if temperature becomes too hot.
- Complete with Mira fittings with adjustable handset – limescale resistant and easy to clean.
- Multiple water and cable entry points.
- Accepts push fit and compression type fittings.

Product Range

Mira Vie 8.5

Mira Vie 8.5 240V AC (230V AC 7.8kW) heater with a multi-spray handset. Supplied complete with hose, clamp bracket, slide bar and soap dish with integral hose retaining ring.

Mira Vie 9.5

Mira Vie 9.5 240V AC (230V AC 8.8kW) heater with a multi-spray handset. Supplied complete with hose, clamp bracket, slide bar and soap dish with integral hose retaining ring.

Mira Vie 10.8

Mira Vie 10.8 240V AC (230V AC 9.9kW) heater with a multi-spray handset. Supplied complete with hose, clamp bracket, slide bar and soap dish with integral hose retaining ring.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Vie 8.5/9.5/10.8kW
electric shower white and chrome fascia

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing-up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 0.7 bar (maintained) pressure (8.5, 9.5), 1 bar (10.8), over the heating elements contained in the heater tank of the shower unit.
- Water flow is started or stopped by depressing the start/stop button
- Power selection is chosen by turning the top control knob
- The showering temperature is adjusted by turning the temperature control knob, which varies the flow of coldwater across the elements. The slower the rate of flow, the warmer the water and vice versa. Spray plates in shower handsets should always be kept clean to maintain a consistent flow and assist in temperature control.
- All Mira electric showers are designed to stabilise temperature changes caused by water pressure fluctuations. These can result from taps being turned on or off or toilets flushed. Under such conditions, average shower temperatures will be held within a 6°C band, provided that the minimum required pressure is maintained.
- The design of most popular electric showers does not allow for thermostatic control of the showering temperature, and as such, they are unable to react to changes in temperature caused by a change in mains voltage, or in the incoming water temperature. For thermostatically controlled electric showers, refer to Mira Sport Thermostatic, Mira Escape, Mira Advance, Mira Azora and Mira Galena.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar (8.5, 9.5), 1 bar (10.8)
- Minimum static pressure: 0.2 bar (to keep valve closed)
- Maximum static pressure: 10 bar

Accessories

- Optional DCV-H; outlet double check valve, providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for 2 years from date of purchase against faulty materials or workmanship.
- Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Vie is suitable for installation as part of the following plumbing systems:

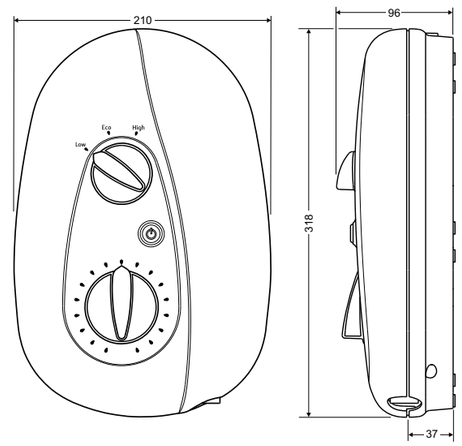
- Mains cold water pressure.

Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices, specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- In accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The appliance requires either a 40 Amp (8.5) or 45 Amp (9.5, 10.8) supply fuse.
- The terminal block will accept cable size up to 16mm².
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices, specified by the local electricity supply company.
- A separate permanently connected supply must be taken from the consumer unit to the appliance, via a double-pole switch, with at least a 3mm contact separation. The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.



BEAB Approved CE WRAS APPROVED PRODUCT

Zest

Description

- Separate controls for start/stop and power and flow/temperature selection.
- Shower will cut out if temperature becomes too hot.
- Complete with Mira Response fittings with adjustable showerhead, limescale resistant and easy to clean.
- One handed height adjustment of the clamp bracket for ease of use.
- Compact design.

Product Range

Mira Zest 7.5

240V AC 7.5kW (230V AC 6.9kW) heater with a Mira Response adjustable spray showerhead with three spray patterns: Start, Soothe and Force. Supplied complete with hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Zest 8.5

240V AC 8.5kW (230V AC 7.8kW) heater with a Mira Response adjustable spray showerhead with three spray patterns: Start, Soothe and Force. Supplied complete with hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Waterflow is started by depressing the start/stop button
- These electric showers work by regulating the flow of water, minimum 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.
- All Mira electric showers are designed to stabilise temperature changes caused by water pressure fluctuations. These can result from taps being turned on or off or toilets flushed. Under such conditions, average shower temperatures will be held within a 6°C band, provided that the minimum required pressure is maintained.
- The design of most popular electric showers does not allow for thermostatic control of the showering temperature, and as such, they are unable to react to changes in temperature caused by a change in mains voltage, or in the incoming water temperature. For thermostatically controlled electric showers, refer to Sport Thermostatic, Escape, Advance ATL, Azora and Galena.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar
- Minimum static pressure: 0.2 bar (to keep valve closed)
- Maximum static pressure: 10.0 bar

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Zest is suitable for installation as part of the following plumbing systems:

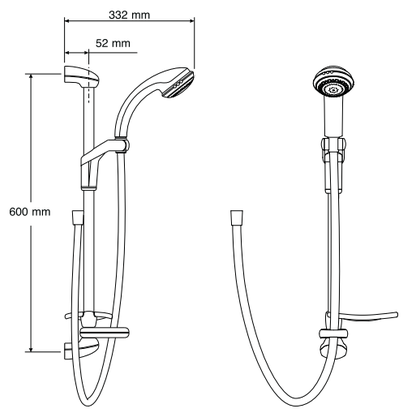
- Mains cold water pressure.

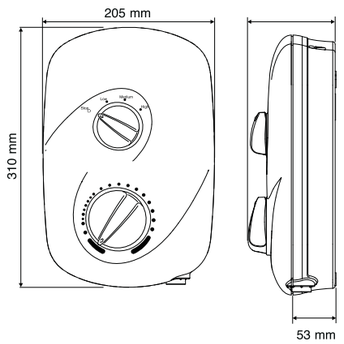
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Zest 7.5kW will operate on a 32 Amp MCB as it draws 31.25 Amps. The Mira Zest 8.5kW requires a 40 Amp fuse.
- The terminal block will not accept cable larger than 10mm^2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switc, with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Play

Description

- Push button start/stop.
- Separate power and flow/temperature controls for ease of use.
- Shower will cut out if temperature becomes too hot.
- Complete with Mira Response fittings with adjustable showerhead, limescale resistant and easy to clean.
- One handed height adjustment of the clamp bracket for ease of use.
- Compact design.

Product Range

Mira Play 9.5

240V AC 9.5kW (230V AC 8.3kW) heater with a Mira Response adjustable spray showerhead with three spray patterns: Start, Soothe and Force. Supplied complete with hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Play 9.5kW, white and chrome finish with chrome fascia

Mira Play 9.5kW, satin finish with chrome fascia

Mira Play 9.5kW, white and chrome finish with white fascia

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Waterflow is started by depressing the start/stop button.
- These electric showers work by regulating the flow of water, minimum 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.
- All Mira electric showers are designed to stabilise temperature changes caused by water pressure fluctuations. These can result from taps being turned on or off or toilets flushed. Under such conditions, average shower temperatures will be held within a 6°C band, provided that the minimum required pressure is maintained.
- The design of most popular electric showers does not allow for thermostatic control of the showering temperature, and as such, they are unable to react to changes in temperature caused by a change in mains voltage, or in the incoming water temperature. For thermostatically controlled electric showers, refer to Sport Thermostatic, Escape, Advance ATL, Azora and Galena.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar.
- Minimum static pressure: 0.5 bar (to keep valve closed).
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Play is suitable for installation as part of the following plumbing systems:

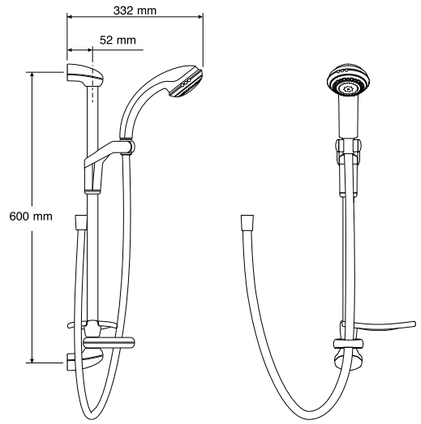
- Mains cold water pressure

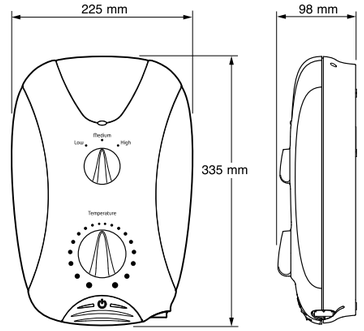
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Play 9.5kW will operate on a 45 Amp MCB as it draws 41.5 Amps.
- The terminal block will not accept cable larger than 10mm^2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Sport

Description

- Slim, contemporary design.
- Push button start/stop control.
- Separate power and flow/temperature controls for ease of use.
- Sensi-flo™ protects the user by turning the heat off if the water flow is obstructed.
- Opti-flo™ technology provides optimum flow performance all year round.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance and longer life.
- Delayed shutdown - turns the shower off, gradually flushing hot water from the tank - safe showering for the next user and low limescale build up.
- 'Power' and 'Low Flow' lights indicate possible water supply fault or the need to clean the handset.
- Heater elements will cut out if temperature becomes too hot.
- Mira Logic fittings with adjustable showerhead, limescale resistant and easy clean.
- Brass inlet connector with integral earth bonding.

Product Range

Mira Sport 7.5, 9.0 & 9.8

240V AC 7.5kW, (230V AC 6.85kW) heater or 240V AC 9.0kW, (230V AC 8.2kW) heater or 240V AC 9.8kW, (230V AC 9.0kW) heater with a Mira Logic adjustable spray showerhead with four different spray actions (Start, Soothe, Force & Eco). Individual lights indicate 'Power' and 'Low Flow'. Supplied complete with hose, clamp bracket, slide bar and integrated hose retaining ring with soap dish.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Sport 7.5/9.0/9.8kW, white and chrome finish

Also available in:

White

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- Water flow is started or stopped by depressing the start/stop button.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.
- All Mira electric showers are designed to stabilise temperature changes caused by water pressure fluctuations. These can result from taps being turned on or off or toilets flushed. Under such conditions, average shower temperatures will be held within a 6°C band, provided that the minimum required pressure is maintained.
- The design of most popular electric showers does not allow for thermostatic control of the showering temperature, and as such, they are unable to react to changes in temperature caused by a change in mains voltage, or in the incoming water temperature. For thermostatically controlled electric showers, refer to Sport Thermostatic, Escape, Advance ATL, Azora and Galena.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be marginally adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced. The 'Overheat' neon on the Mira Sport 10.8 will provide a visual indication of this condition.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar.
- Minimum static pressure: 0.2 bar (to keep Solenoid valve closed).
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Sport is suitable for installation as part of the following plumbing systems:

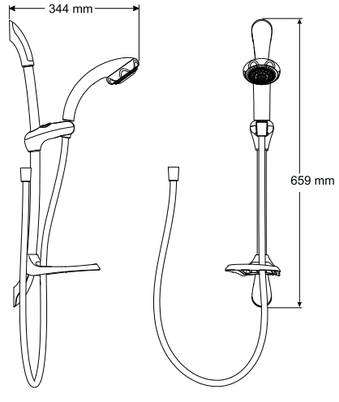
- Mains cold water pressure.

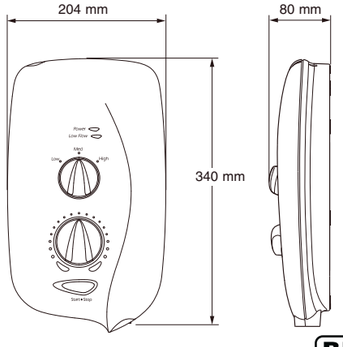
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- The appliance is intended for connection to fixed electrical wiring.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Sport 7.5kW and Mira Sport 9.0kW requires a 40 Amp fuse. The Mira Sport 9.8kW will require a 45 Amp fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Maximum air temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Sport Thermostatic

Description

- Slim, contemporary design.
- Thermostatic temperature control.
- Safe maximum temperature limit prevents the selection of a showering temperature that is too hot.
- Separate power and flow/temperature controls for ease of use.
- Separate start/stop button with backlight which lights up when in operation.
- Sensi-flo™ protects the user by turning the heat off if the water flow is obstructed.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance and longer life.
- Delayed shutdown - turns the shower off, gradually flushing hot water from the tank - safe showering for the next user and low limescale build up.
- 'Power' and 'Low Flow' lights indicate possible water supply fault or the need to clean the handset.
- Heater elements will cut out if temperature becomes too hot.
- Mira Logic fittings with adjustable showerhead, limescale resistant and easy clean.
- Brass inlet connector with integral earth bonding.

Product Range

Mira Sport Thermostatic 9.0 & 9.8

240V AC 9.0kW, (230V AC 8.2kW) heater or 240V AC 9.8kW, (230V AC 9.0kW) heater. Mira Sport Thermostatic 9.0 / 9.8 supplied with a Mira Logic adjustable spray showerhead with four different spray actions (Start, Soothe, Force & Eco). Individual light indicates 'Low Flow'. Supplied complete with hose, clamp bracket, slide bar and integrated hose retaining ring with soap dish.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Sport Thermostatic
9.0/9.8kW, white and chrome finish

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- Water flow is started or stopped by depressing the start/stop button.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.
- The Mira Sport Thermostatic is a thermostatic shower which will compensate for:
  - Changes in the temperature of the incoming cold water supply.
  - Temperature changes due to variation in the mains electrical voltage.
  - Variations in the pressure of the water supply.
  - The set temperature is typically to within +/- 2°C.
  - The maximum temperature limit is set to 46°C.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be marginally adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes may affect the showering temperature.
- If the water temperature reaches an unsafe level the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced. The 'Overheat' neon on the Mira Sport 10.8 will provide a visual indication of this condition.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar.
- Minimum static pressure: 0.2 bar (to keep Solenoid valve closed).
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Sport Thermostatic is suitable for installation as part of the following plumbing systems:

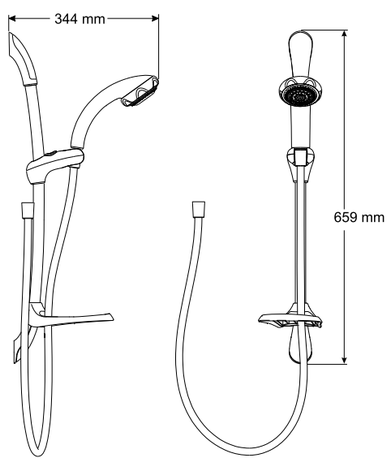
- Mains cold water pressure.

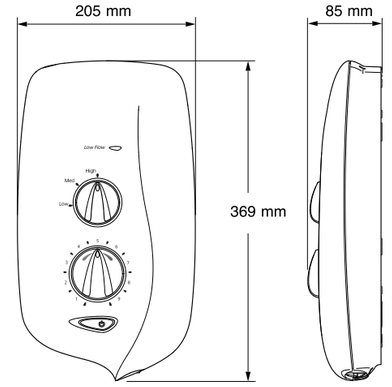
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices, specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- The appliance is intended for connection to fixed electrical wiring.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Sport 9.0kW requires a 40 Amp fuse, and the Mira Sport 9.8kW requires a 45 Amp fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Maximum air temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Sport Max

Description

- Slim, contemporary design.
- Most powerful electric shower in the UK.
- Push button power controls with red lights to indicate stand-by, changes to green once power setting has been selected. Lights dim to indicate shutdown and sleep mode.
- Sensi-flo™ protects the user by turning the heat off if the water flow is obstructed.
- Opti-flo™ technology provides optimum flow performance all year round.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance and longer life.
- Delayed shutdown - turns the shower off, gradually flushing hot water from the tank - safe showering for the next user and low limescale build up.
- 'Low Flow' light indicates possible water supply fault or the need to clean the handset.
- Heater elements will cut out if temperature becomes too hot.
- Mira Logic fittings with adjustable showerhead, limescale resistant and easy clean.
- Brass inlet connector with integral earth bonding.

Product Range

Mira Sport Max 10.8

240V AC 10.8kW (230V AC 9.9kW) heater with a Mira Logic adjustable spray showerhead with four different spray actions (Start, Soothe, Force & Eco). Individual lights indicate 'Low Flow', 'Low', 'Medium' and 'High' and overheat power settings. Supplied complete with hose, clamp bracket, slide bar and integrated hose retaining ring with soap dish.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Sport Max 10.8kW, white and chrome finish

Also available in:

White

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Water flow is started and power selection chosen by depressing one of the three 'High', 'Medium' or 'Low' buttons.
- Water flow is stopped by depressing the stop button.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.
- All Mira electric showers are designed to stabilise temperature changes caused by water pressure fluctuations. These can result from taps being turned on or off or toilets flushed. Under such conditions, average shower temperatures will be held within a 6°C band, provided that the minimum required pressure is maintained.
- The design of most popular electric showers does not allow for thermostatic control of the showering temperature, and as such, they are unable to react to changes in temperature caused by a change in mains voltage, or in the incoming water temperature. For thermostatically controlled electric showers, refer to Sport Thermostatic, Escape, Advance ATL, Azora and Galena.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced. The 'Overheat' neon on the Mira Sport 10.8 will provide a visual indication of this condition.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 1.0 bar.
- Minimum static pressure: 0.2 bar (to keep Solenoid valve closed).
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Sport Max 10.8kW is suitable for installation as part of the following plumbing systems:

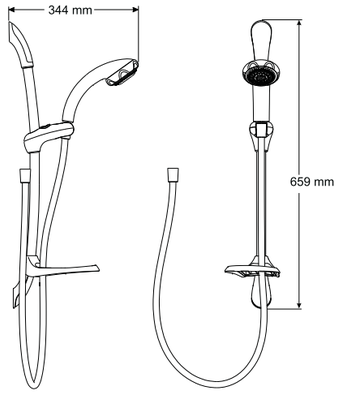
- Mains cold water pressure.

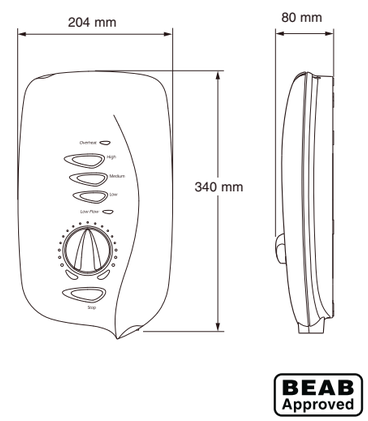
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- The appliance is intended for connection to fixed electrical wiring.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Sport Max 10.8kW will require a 45 Amp fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Ambient air temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Escape

Description

- Slim, contemporary design.
- Thermostatic temperature control.
- Safe maximum temperature limit prevents the selection of a showering temperature that is too hot.
- Separate power and flow/temperature controls for ease of use.
- Separate start/stop button from power selection for easy showering.
- Sensi-flo™ protects the user by turning the heat off if the water flow is obstructed.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance and longer life.
- Delayed shutdown - turns the shower off, gradually flushing hot water from the tank - safe showering for the next user and low limescale build up.
- 'Low Flow' indicator light indicates possible water supply fault or the need to clean the handset.
- Heater elements will cut out if temperature becomes too hot.
- Mira Energise fittings with adjustable showerhead, limescale resistant and easy clean.
- Brass inlet connector with integral earth bonding.

Product Range

Mira Escape

240V AC 9.8kW (230V AC 9.0kW) heater with a Mira Energise adjustable spray showerhead with four different spray patterns (Start, Soothe, Force and Eco). Supplied complete with hose, clamp bracket, soap dish, slidebar and hose retaining ring/gel hook.

Mira Escape 9.8kW, satin/chrome finish

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 1.0 / 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- Water flow is started or stopped by depressing the start/stop button.
- The showering temperature is adjusted by turning the temperature control knob, which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.

The Mira Escape is a thermostatic shower which will compensate for:

- Changes in the temperature of the incoming cold water supply.
- Temperature changes due to variation in the mains electrical voltage.
- Variations in the pressure of the water supply.
- The set temperature is typically to within +/- 2°C.
- The maximum temperature limit is set to 46°C.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be marginally adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar (1.0 bar or above for optimum Thermostatic performance).
- Minimum static pressure: 0.2 bar (to keep Solenoid valve closed).
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Escape is suitable for installation as part of the following plumbing systems:

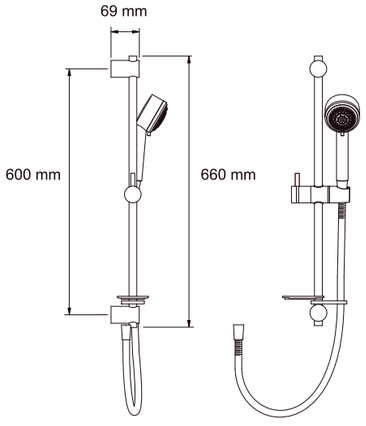
- Mains cold water pressure.

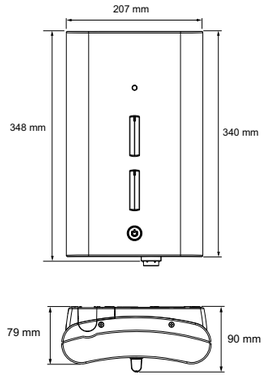
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components

Installation - Electrical

- The appliance must be earthed.
- The appliance is intended for connection to fixed electrical wiring.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Escape will require a 45 Amp fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Ambient air for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Advance ATL/Memory

Description

- Thermostatic temperature control ±1°C.
- High flow up to 9.8kW.
- Safe maximum temperature stop adjustable to eight different temperatures.
- Separate push button controls.
- Five memory settings.
- Precise light-action temperature control.
- Multiple water and cable entry points.
- Brass inlet connector with integral earth bonding.
- Case, cover and internal assemblies moulded from engineering plastics and polymers.

Product Range

Mira Advance ATL 8.7kW & 9.8kW

240V AC 8.7kW (230V AC 8.0kW) or 240V AC 9.8kW (230V AC 9.0kW) heater with Mira Logic adjustable spray showerhead providing four different spray actions – (Start, Soothe, Force and Eco). Individual lights indicate 'Flow', 'Low Pressure' and 'Service'. Supplied complete with metal hose, clamp bracket, soap dish, slide bar which can be corner-mounted and hose retaining ring.

The Mira Advance ATL Thermostatic electric shower, with maximum temperature stop, can be adjusted to eight different maximum temperatures providing safety, flexibility and precise temperature control.

Mira Advance ATL Memory 8.7kW & 9.8kW

240V AC 8.7kW (230V AC 8.0kW) or 240V AC 9.8kW (230V AC 9.0kW) heater with Mira Logic adjustable spray showerhead, providing four different spray actions – (Start, Soothe, Force and Eco). Individual lights indicate 'Flow', 'Low Pressure' and 'Service'. Supplied complete with metal hose, clamp bracket, soap dish, slide bar which can be corner-mounted and hose retaining ring.

The Mira Advance ATL Memory Thermostatic electric shower, with maximum temperature stop, can be adjusted to eight different maximum temperatures providing safety, flexibility and precise temperature control. Includes five memory buttons to allow the user to pre-set five choices of flow level and temperature, which can be easily recalled by pressing the appropriate button.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Advance ATL,
white and chrome finish

Mira Advance ATL Memory Thermostatic
8.7/9.8kW, white and chrome finish

BEAB Approved

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- The Mira Advance ATL works by regulating the flow of water, minimum 0.5 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- A maintained pressure of 1.0 bar is required for the Mira Advance ATL to operate at optimum power output.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in shower handsets should always be kept clean to maintain a consistent flow and assist in temperature control.
- The Mira Advance ATL is a thermostatic electric shower which will compensate for:
  - Changes in the temperature of the incoming cold water supply.
  - Temperature changes due to variation in the mains electrical voltage.
  - Variations in the pressure of the water supply.
- The set temperature is controlled typically to within ±1°C.
- Maximum temperature is set at 48°C but can be reset to eight different maximum temperatures from 37°C to 48°C.
- Allows three flow settings at the same temperature.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure for full thermostatic performance with reduced power and flow output: 0.5 bar.
- Minimum maintained pressure for full thermostatic performance with optimum power and flow output: 1.0 bar.
- Maximum static pressure: 10.0 bar.
- Minimum static pressure: 0.2 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The new Mira Advance ATL is suitable for installation as part of the following plumbing systems:

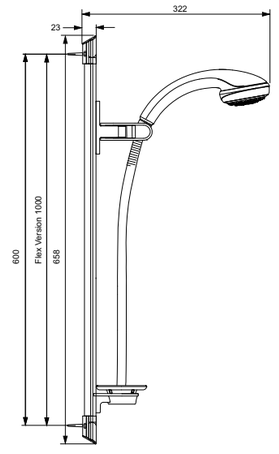
- Mains cold water pressure.

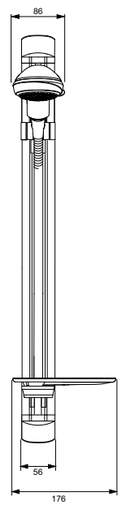
Installation - Plumbing

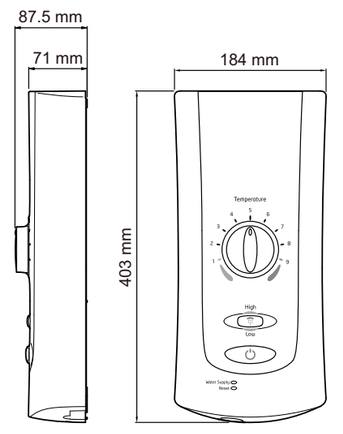
- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The appliance requires
  (a) 45 Amp supply fuse (9.8kW).
  (b) 40 Amp supply fuse (8.7kW).
- The terminal block will not accept cable larger than 16mm^2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electrical supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations' (commonly referred to as the IEE Wiring Regulations) or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.







BEAB Approved CE WRAS APPROVED PRODUCT

Advance ATL Flex

Description

- Thermostatic temperature control ±1°C.
- High flow up to 9.8kW.
- Safe maximum temperature stop adjustable to eight different temperatures.
- Separate push button controls.
- Extra long slide bar and hose.
- Additional parking socket for flexible showering.
- Precise light-action temperature control with extended lever for ease of use.
- Multiple water and cable entry points.
- Brass inlet connector with integral earth bonding.
- Case, cover and internal assemblies moulded from engineering plastics and polymers.

Product Range

Mira Advance ATL Flex 8.7kW & 9.8kW

240V AC 8.7kW (230V AC 8.0kW) or 240V AC 9.8kW (230V AC 9.0kW) heater with Mira Logic adjustable spray showerhead, providing four different spray actions (Start, Soothe, Force and Eco). Individual lights indicate 'Flow', 'Low Pressure' and 'Service'. Supplied complete with metal hose, clamp bracket, soap dish, slide bar which can be corner-mounted and hose retaining ring.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Advance ATL Flex Thermostatic
8.7/9.8kW, white and chrome finish

BEAB CARE

Technical Information

Principles of Operation

The Mira Advance ATL Flex Thermostatic electric shower with maximum temperature stop can be adjusted to eight different maximum temperatures providing safety, flexibility and precise temperature control. Supplied with extended slide bar, temperature control lever for easier grip, 2 metre metal hose and additional handset holder for flexible showering options.

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- The Mira Advance ATL works by regulating the flow of water, minimum 0.5 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- A maintained pressure of 1.0 bar is required for the Mira Advance ATL to operate at optimum power output.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in shower handsets should always be kept clean to maintain a consistent flow and assist in temperature control.
- The Mira Advance ATL is a thermostatic electric shower. which will compensate for:

- Changes in the temperature of the incoming cold water supply.
- Temperature changes due to variation in the mains electrical voltage.
- Variations in the pressure of the water supply.

- The set temperature is controlled typically to within ±1°C.
- Maximum temperature is set at 48°C but can be reset to eight different maximum temperatures from 37°C to 48°C.
- Allows three flow settings at the same temperature.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure for full thermostatic performance with reduced power and flow output: 0.5 bar.
- Minimum maintained pressure for full thermostatic performance with optimum power and flow output: 1.0 bar.
- Maximum static pressure: 10.0 bar.
- Minimum static pressure: 0.2 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The new Mira Advance ATL is suitable for installation as part of the following plumbing systems:

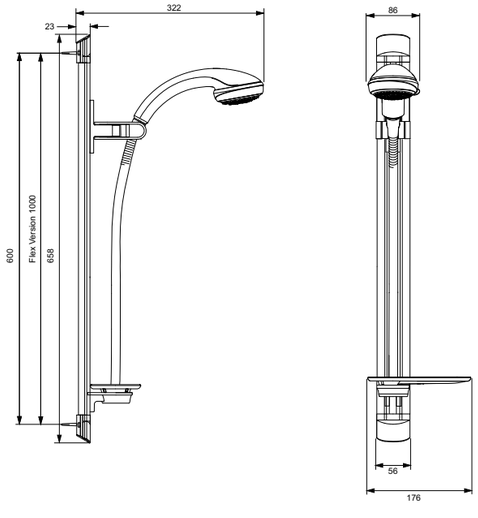
- Mains cold water pressure.

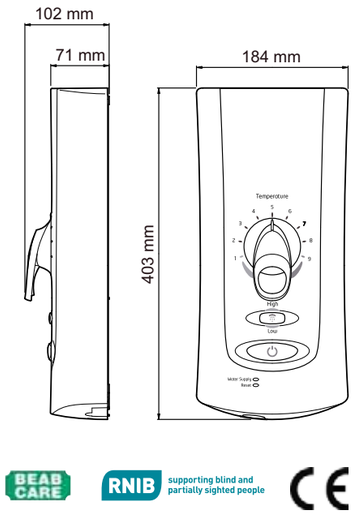
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices, specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The appliance requires
  (a) 45 Amp supply fuse (9.8kW).
  (b) 40 Amp supply fuse (8.7kW).
- The terminal block will not accept cable larger than 16mm^2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electrical supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations' (commonly referred to as the IEE Wiring Regulations) or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB CARE RNIB supporting blind and partially sighted people CE WRAS APPROVED PRODUCT

Elite ST

Description

- An instantaneous electric shower designed for use with a gravity fed supply.
- Overcomes the problem of low or erratic mains water pressure.
- Slim case design offering compact installation.
- Quiet, integral mains voltage pump.
- Smooth single turn temperature control
- Three power settings; full, half (summer economy) and cool (cold).
- Separate power and flow/temperature controls for ease of use.
- Sensi-Flo™ protects the user by turning the heat off if the water flow is obstructed.
- Opti-Flo™ technology provides optimum flow performance all year round.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance.
- Multiple water and cable entry points.
- Brass inlet connector with integral earth bonding.
- New internal Filter Assembly providing 7.5 times more filter area than previous.
- Case, cover and internal assemblies moulded from engineering plastics and polymers.

Product Range

Mira Elite ST, 9.8

240V AC 9.8kW (230V AC 9.0kW) heater with a Mira Logic Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco). Individual lights indicate ‘Power’ and ‘Low Flow’. Supplied complete with hose, clamp bracket, slide bar and integrated hose retaining ring with soap dish.

LOW Low pressure stored water supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Elite ST 9.8kW pumped electric shower, white and chrome finish

Also available in:

White/ Chrome

Technical Information

Limitations of Use

- Do not connect to a mains fed water supply. Such a connection will damage the appliance and is not covered under the manufacturer’s guarantee.
- The Elite ST is not an instantaneous power shower and flow rates will be similar to other 9.8kW electric showers.
- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where the appliance may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Pumped electric showers work by taking cistern fed cold water and passing it over the heating elements contained in the heater tank of the shower appliance.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow the warmer the water and vice versa.
- The holes in the spray plate of the showerhead should always be kept clear to maintain a consistent flow and assist in temperature control.
- The temperature of gravity fed water will vary between summer and winter, and therefore, the temperature control knob will need to be adjusted to take account of these seasonal conditions. The length of dead leg of the water supply pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. When the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased and the shower temperature reduced. The ‘Low Flow’ light on the Mira Elite ST will provide a visual indication of this condition.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.008 bar (80mm).
- Maximum static pressure: 1.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Elite ST is suitable for installation as part of the following plumbing systems:

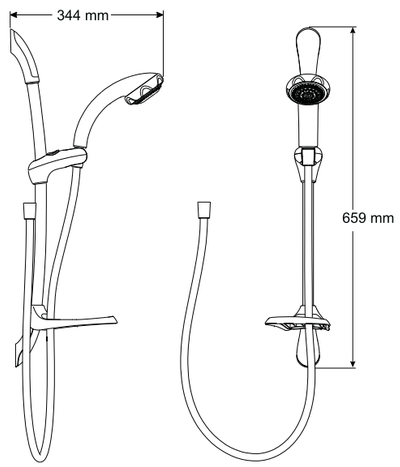
- Mains cold water pressure.

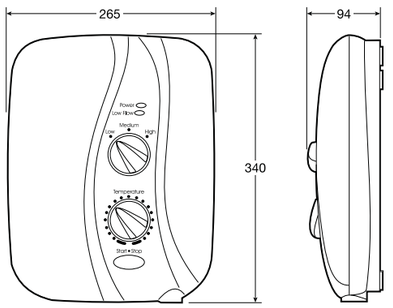
Installation - Plumbing

- Surface-mounted.
- Inlet connection: 15mm inlet compression connector which swivels to accept plumbing supplies from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- This product must have its own separate supply from the cold water storage cistern, avoiding any other draw-offs, long horizontal pipe runs and 90° elbows.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of ‘The Plugs and Sockets etc. (Safety) Regulations’ in force at the time of installation.
- The appliance requires a 45 Amp supply fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Maximum ambient temperature for the appliance whilst in use: 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ± 10%. The supply voltage will affect the flow rate.
- The installation must comply with “Requirements for Electrical Installations” commonly referred to as the IEE Wiring Regulations or any particular regulations and practices, specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





BEAB Approved CE WRAS APPROVED PRODUCT

Orbis

Description

- Slim, contemporary design.
- Thermostatic temperature control.
- LCD temperature display with clock.
- Safe maximum temperature limit prevents the selection of a showering temperature that is too hot.
- Separate power and flow/temperature controls for ease of use.
- Separate stop/start button from power selection for easy showering.
- Sensi-flo™ protects the user by turning the heat off if the water flow is obstructed.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance and longer life.
- Gradual, delayed turn off - safer showering for next user and low limescale build up.
- 'LOW FLOW' indicator light - indicating possible water supply fault or the need to clean the handset.
- Heater elements will cut out if temperature becomes too hot
- Mira Energise white/chrome fittings with adjustable showerhead - limescale resistant and easy clean.
- Brass inlet connector with integral earth bonding.

Product Range

Mira Orbis Thermostatic 9.0, 9.8 and 10.8kW

240V AC 9.0kW, (230V AC 8.2kW) heater or 240V AC 9.8kW, (230V AC 9.0kW) heater or 240V AC 10.8Kw heater (230V AC 9.9kW. with a Mira Energise Adjustable Spray showerhead with four different spray actions (Start, Soothe, Force and Eco). Supplied complete with hose, clamp bracket, slidebar and integrated hose retaining ring with soap dish.

Mira Orbis 9.0kW/9.8kW/10.8kW electric shower, white and chrome finish

Mira Orbis in black is only available in 240V AC 9.8kW (230V AC 9.0kW)

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by pressing the heater control settings on the outer ring.
- Water flow is started or stopped by depressing the start/stop button.
- The showering temperature is adjusted by turning the temperature control knob, which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in showerhead should always be kept clean to maintain a consistent flow and assist in temperature control.
- The Mira Orbis is a thermostatic electric shower. It will compensate for:
  - Changes in the temperature of the incoming cold water supply.
  - Temperature changes due to variation in the mains electrical voltage.
  - Variations in the pressure of the water supply.
- The set temperature is typically to within +/- 2°C.
- The maximum temperature limit is set to 46°C.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be marginally adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced. (This needs to be altered via NPD).
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar (1 bar for 10.8 kW variant).
- Minimum static pressure: 0.2 bar (to keep valve closed).
- Maximum static pressure: 10.0 bar.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship.
- Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Orbis Thermostatic 9.0/9.8/10.8kW is suitable for installation as part of the following plumbing systems:

- Mains cold water pressure.

Maintenance

- Maintenance should be carried out in accordance with the information published in the Installation and User Guide, supplied with each product. This guide should be retained by the user for future reference.
- A conveniently situated isolating valve must be fitted in the supply pipework to allow complete maintenance of the product.

Accessories

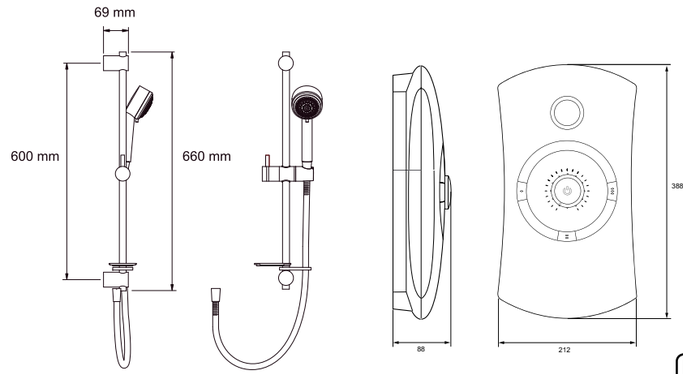
- Optional DCV-H; outlet double check valve, providing an alternative method of complying with UK Water Regulations.

Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm brass inlet compression connector which swivels to accept plumbing supplies from the top, bottom or back.
- Outlet connection: 1/2" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices, specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- In accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The Mira Orbis 9.0kW requires a 40 Amp fuse.
- The Mira Orbis 9.8/10.8kW requires a 45 Amp fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Maximum ambient air temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices, specified by the local electricity supply company.
- A separate permanently connected supply must be taken from the consumer unit to the appliance, via a double-pole switch, with at least a 3mm contact separation. The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.



BEAB Approved CE WRAS APPROVED PRODUCT

Elevate

Description

- An electric shower and storage solution in one.
- Unique design featuring an integrated slidebar.
- Separate power and flow/temperature controls for ease of use.
- Push button start/stop and Power indicator light.
- Shower will cut out if temperature becomes too hot.
- Integral outlet double check valve removes the need for separate hose retaining ring.
- Complete with shower fittings including fully adjustable clamp bracket, durable metal hose and a four mode anti-limescale handset.

Product Range

Mira Elevate 9.5

240V AC 9.5 kW (230V AC 8.8 kW) heater with integral storage for showering products. Supplied with an integrated slidebar, multi-spray showerhead, hose, clamp bracket assembly, removable soap dish and showering mirror and hose retainer/storage hook.

Mira Elevate 10.8

240V AC 10.8 kW (230V AC 9.9 kW) heater with integral storage for showering products. Supplied with an integrated slidebar, multi-spray showerhead, hose, clamp bracket assembly, removable soap dish and showering mirror and hose retainer/storage hook.

COLD MAINS Cold mains supply

2 YEAR GUARANTEE

WATER EFFICIENT PRODUCT

Mira Elevate 9.5kW/10.8kW/ white and chrome finish

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 0.7 bar (9.5 kW) and 1.0 bar (10.8 kW) maintained pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- Water flow is started or stopped by depressing the start/stop button.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.
- All Mira electric showers are designed to stabilise temperature changes caused by water pressure fluctuations. These can result from taps being turned on or off or toilets flushed. Under such conditions, average shower temperatures will be held within a 6°C band, provided that the minimum required pressure is maintained.
- The design of most popular electric showers does not allow for thermostatic control of the showering temperature, and as such, they are unable to react to changes in temperature caused by a change in mains voltage, or in the incoming water temperature.
- For thermostatically controlled electric showers, refer to Sport Thermostatic, Escape, Advance ATL, Azora and Galena.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level, the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar (9.5 kW), 1 bar (10.8 kW).
- Minimum static pressure: 0.2 bar (to keep valve closed).
- Maximum static pressure: 10.0 bar.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Elevate is suitable for installation as part of the following plumbing systems:

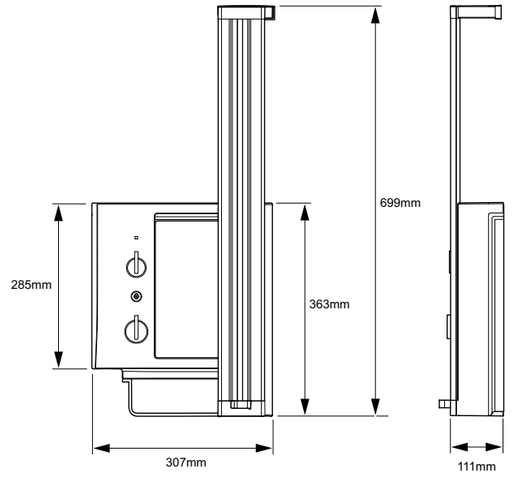
- Mains cold water pressure.

Installation – Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Electrical

- The Mira Elevate 9.5 kW will operate on a 40 Amp MCB as it draws 39.6 Amps. The Mira Elevate 10.8 kW requires a 45 Amp MCB as it draws 45 Amps.
- The terminal block will not accept cable larger than 16mm2.
- Ambient air temperature for the appliance whilst in use is 30°C
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.



BEAB Approved CE WRAS APPROVED PRODUCT

Azora & Galena

Description

- Slim, contemporary design.
- Thermostatic temperature control.
- Safe maximum temperature limit prevents the selection of a showering temperature that is too hot.
- Separate power and flow/temperature controls for ease of use.
- Separate start/stop button from power selection for easy showering.
- Sensi-Flo™ protects the user by turning the heat off if the water flow is obstructed.
- Clearscale™ reduces limescale build-up by up to 50% for unhindered performance and longer life.
- Delayed shutdown - turns the shower off, gradually flushing hot water from the tank - safe showering for the next user and low limescale build up.
- 'Low Flow' indicator light, indicates possible water supply fault or the need to clean the handset.
- Heater elements will cut out if temperature becomes too hot.
- Mira Energise fittings with adjustable showerhead, limescale resistant and easy clean.
- Brass inlet connector with integral earth bonding.

Product Range

Mira Azora

240V AC 9.8kW, (230V AC 9.0kW) with a Mira Energise adjustable spray showerhead with four different spray patterns (Start, Soothe, Force and Eco). Individual light indicates 'Low Flow'. Supplied complete with hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Galena

240V AC 9.8kW, (230V AC 9.0kW) heater. Mira Galena 9.8kW supplied with a Mira Energise adjustable spray showerhead with four different spray patterns (Start, Soothe, Force and Eco). Individual light indicates 'Low Flow'. Supplied complete with hose, clamp bracket, soap dish, slide bar and hose retaining ring/gel hook.

Mira Galena 9.8kW, slate finish effect

Mira Azora 9.8kW, glass/chrome finish

Technical Information

Limitations of Use

- The appliance must not be used for applications where an outlet flow control forms part of the shower fitting.
- The appliance must not be used for applications where it may become submerged in water or where there is a risk of freezing.
- A water treatment device is recommended in areas where the temporary hardness is above 200ppm.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- These electric showers work by regulating the flow of water, minimum 1.0 / 0.7 bar (maintained) pressure, over the heating elements contained in the heater tank of the shower unit.
- Power selection is chosen by turning the top control knob.
- Water flow is started or stopped by depressing the start/stop button.
- The showering temperature is adjusted by turning the temperature control knob which varies the flow of cold water across the elements. The slower the rate of flow, the warmer the water and vice versa.
- Spray plates in the showerheads should always be kept clean to maintain a consistent flow and assist in temperature control.

The Mira Azora and Mira Galena are thermostatic showers which will compensate for:

- Changes in the temperature of the incoming cold water supply.
- Temperature changes due to variation in the mains electrical voltage.
- Variations in the pressure of the water supply.
- The set temperature is typically to within +/- 2°C.
- The maximum temperature limit is set to 46°C.
- The temperature of incoming water will vary between summer and winter, and therefore, the temperature control knob will need to be marginally adjusted to take account of these seasonal conditions. The length of dead leg of the cold pipe or its proximity to hot pipes, may affect the showering temperature.
- If the water temperature reaches an unsafe level the thermal switch assembly turns off the elements. As the water temperature falls the elements will be turned on. The switch will cycle on/off/on if the flow-rate is not increased, and the shower temperature reduced.
- When the shower is first turned on or a different temperature is selected, there will be a slight delay before the shower temperature changes, to allow the previously heated water to be used up.

Pressure

- Minimum maintained pressure: 0.7 bar (1.0 bar or above for optimum Thermostatic performance).
- Minimum static pressure: 0.2 bar (to keep Solenoid valve closed).
- Maximum static pressure: 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

- Guaranteed for two years from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

The Mira Azora and Mira Galena are suitable for installation as part of the following plumbing systems:

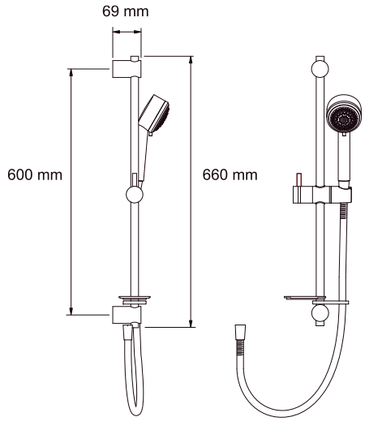
- Mains cold water pressure.

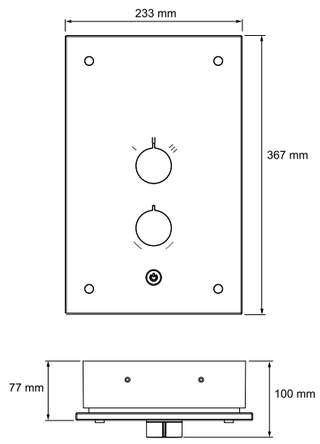
Installation - Plumbing

- Surface-mounted unit.
- Inlet connection: 15mm plastic swivel stub for use with a push fit or compression fitting (not supplied), from the top, bottom or back.
- Outlet connection: ½" BSP male.
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

Installation - Electrical

- The appliance must be earthed.
- The appliance is intended for connection to fixed electrical wiring.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The Mira Azora and Mira Galena require a 45 Amp fuse.
- The terminal block will not accept cable larger than 16mm^2.
- Ambient air temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- A separate, permanently connected supply must be taken from the consumer unit to the appliance via a double-pole switch with at least a 3mm contact separation.
- The switch can be a ceiling-mounted pull-cord switch or a wall-mounted switch in the appropriate zone (see Wiring Regulations).
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations.





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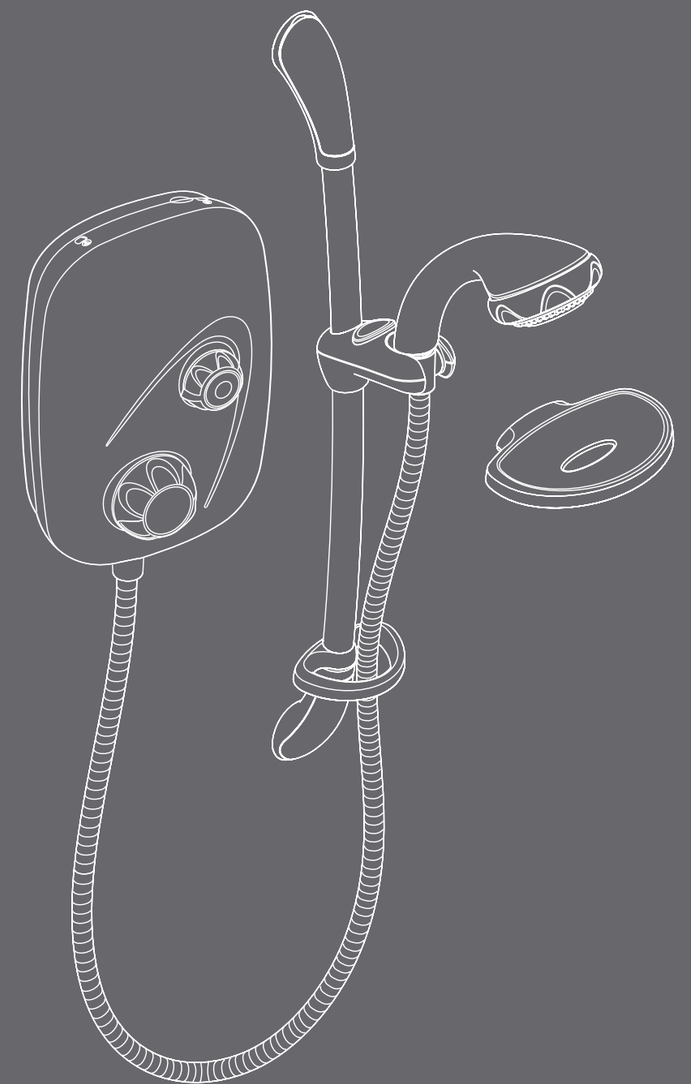
Power Showers

Delivering anything from 14 litres of water per minute, Mira power showers really pack a punch. Compatible with gravity fed water supply systems, they're ideal if your customers want to stand under an awesome flow. And they're easy to install and maintain too.

For the ultimate in safe but powerful showering, specify a thermostatic model. Alternatively, if your customer prefers the styling of a mixer but wants power shower performance from a gravity fed supply, why not install a Mira pump and mixer to give them the same level of exhilaration?



Vigour Manual/Thermostatic

Description

- An all-in-one power shower with an integral 230V/240V AC pump and mixer assembly.
- Concentric flow and temperature controls allow simple adjustment of both flow and temperature.
- Fully variable flow control – allows the user to choose the flow they want rather than having a fixed flow rate
- 15mm dual entry push-fit inlet connections.
- Integral inlet filters and check valves.
- Cover, case and internal assemblies moulded from engineering plastics and polymers.

Product Range

Mira Vigour and Mira Vigour Thermostatic

Surface-mounted all-in one power shower for connection to exposed pipework and operation with gravity fed supplies. Supplied complete with a metal clad shower hose, clamp bracket, slide bar, soap dish, hose retaining ring/gel hook and Mira showerhead with five different spray modes.

LOW Low pressure stored water supply

1 YEAR GUARANTEE

Mira Vigour
white and chrome finish

Mira Vigour Thermostatic
white and chrome finish

Technical Information

Limitations of Use

- The Mira Vigour must not be connected to a mains fed water supply.
- The Mira Vigour is not suitable for installation in institutional/ commercial applications.
- The powerful pump motor is fitted on rubber isolation mounts to reduce the transmitted sound levels. The type of wall surface will affect the perceived sound levels.
- The Mira Vigour should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

Manual Version

- Manual (non-thermostatic) control system.
- Maximum recommended hot water temperature: 65°C.

Thermostatic Version

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Over rideable maximum temperature stop.
- Temperature control range: 35°C - 45°C.
- Maximum recommended hot water temperature: 65°C.
- Minimum temperature differential: 12°C between blend and hot.

Pressure

- Minimum maintained pressure: 0.008 bar min. (80mm).
- Maximum maintained pressure: 0.5 bar.
- Maximum static pressure: 1.0 bar
- Maximum pressure loss ratio: 10:1

Performance

The specification performance outlined below for the standard appliance is achieved with a blend set between 35°C - 45°C and supplies of 15°C cold and 65°C hot with nominally equal pressures.

Thermostatic Version

- The blended water temperature is maintained within 1°C with a 10°C change in the hot or cold water supply.
- The thermostat effects a shut down to seepage in approximately 2 seconds if the cold supply fails.
- Shut down to seepage is achieved only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water temperature is maintained within 1.5°C when the pressure between inlet and outlet is halved (defined as a pressure loss ratio of 2:1) on either the hot or cold side.
- Temperature overshoot will not exceed 50°C when adjusting the blend temperature from full cold to full hot.

Thermostatic Version

- The blended water temperature is maintained within 1°C with a 10°C change in the hot or cold water supply.
- The thermostat effects a shut down to seepage in approximately 2 seconds if the cold supply fails.
- Shut down to seepage is achieved only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water temperature is maintained within 1.5°C when the pressure between inlet and outlet is halved (defined as a pressure loss ratio of 2:1) on either the hot or cold side.
- Temperature overshoot will not exceed 50°C when adjusting the blend temperature from full cold to full hot.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship.Optional extended warranty available. Contact Mira Customer Support

Application

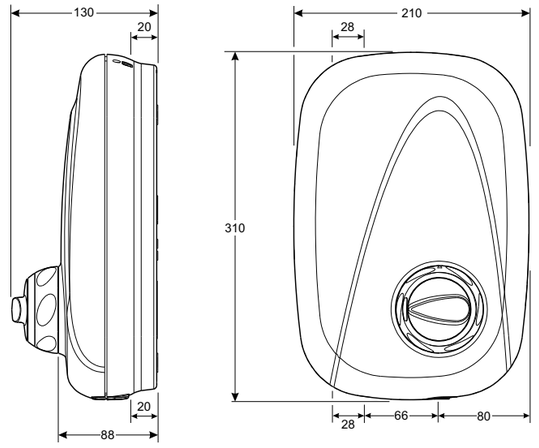
The Mira Vigour is suitable for installation as part of gravity fed plumbing systems only.

Installation - Plumbing

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface-mounted.
- Inlet connections: 15mm dual entry push-fit inlet connections.
- Supports three inlet configurations; top, bottom or back inlet supply.
- Outlet connection: ½" BSP male.
- The storage cistern should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.

Installation - Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The appliance requires a 3 Amp supply fuse.
- Power supply connection; the Mira Vigour is fitted with a terminal block and earth stud which will accept cable up to 2.5mm2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.



BEAB Approved CE WRAS APPROVED PRODUCT

Event XS, Manual/Thermostatic

Description

- An all-in-one power shower with an integral 230V/240V AC pump and mixer assembly.
- Independent spray force and temperature selection controls.
- 15mm dual entry push-fit inlet connections.
- Patented pump design removes the need for priming under recommended installation conditions.
- Integral inlet filters and check valves.
- Cover, case and internal assemblies moulded from engineering plastics and polymers.

Manual version

- Independent temperature and outlet flow controls.
- Maximum temperature stop.
- Generates flow of up to 14 l/min at 0.7bar.

Thermostatic version

- Thermostatic temperature control system.
- Push button Start/Stop.
- Over rideable maximum temperature stop (may be disabled).
- Progressive increase of spray force from an economical standard flow to full flow with rotation of the flow control knob.
- Generates flow of up to 16 l/min at 0.7bar.

Product Range

Mira Event XS and Mira Event XS Thermostatic

Surface-mounted all-in one power shower for connection to exposed pipework and operation with gravity fed supplies.

Supplied complete with a metal clad shower hose, clamp bracket, slide bar, wall-mounted soap dish, hose retaining ring/gel hook and Mira Logic Power showerhead with four different spray modes (Start, Champagne, Massage and Eco).

Mira Event XS Thermostatic, white finish

Mira Event XS Manual, white and chrome finish

Mira Event XS Thermostatic, white and chrome finish

Technical Information

Limitations of Use

- The Mira Event XS must not be connected to a mains fed water supply.
- The Mira Event XS is not suitable for installation in institutional/ commercial applications.
- The powerful pump motor is fitted on rubber isolation mounts to reduce the transmitted sound levels. The type of wall surface will affect the perceived sound levels.
- The Mira Event XS should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

Manual Version

- Manual (non-thermostatic) control system.
- Maximum recommended hot water temperature: 65°C.

Thermostatic Version

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Over rideable maximum temperature stop.
- Temperature control range: 35°C - 45°C.
- Maximum recommended hot water temperature: 65°C.
- Minimum temperature differential: 12°C between blend and hot.

Pressure

- Minimum maintained pressure: 0.008 bar min. (80mm).
- Maximum maintained pressure: 0.5 bar.
- Maximum static pressure: 1.0 bar.
- Maximum pressure loss ratio: 10:1.

Performance

The specification performance outlined below for the standard appliance is achieved with a blend set between 35°C - 45°C and supplies of 15°C cold and 65°C hot with nominally equal pressures.

Thermostatic Version

- The blended water temperature is maintained within 1°C with a 10°C change in the hot or cold water supply.
- The thermostat effects a shut down to seepage in approximately 2 seconds if the cold supply fails.
- Shut down to seepage is achieved only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water temperature is maintained within 1.5°C when the pressure between inlet and outlet is halved (defined as a pressure loss ratio of 2:1) on either the hot or cold side.
- Temperature overshoot will not exceed 50°C when adjusting the blend temperature from full cold to full hot.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

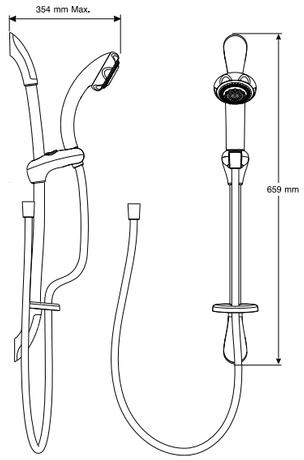
The Mira Event XS is suitable for installation as part of gravity fed plumbing systems only.

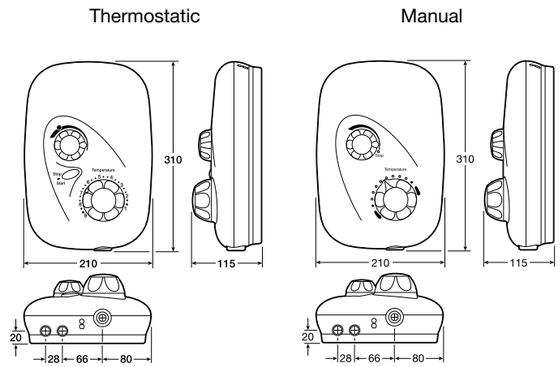
Installation - Plumbing

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface-mounted.
- Inlet connections: 15mm dual entry push-fit inlet connections.
- Supports three inlet configurations; top, bottom or back inlet supply.
- Outlet connection: ½" BSP male.
- The storage cistern should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.

Electrical

- The appliance must be earthed.
- This appliance is intended to be permanently connected to the fixed electrical wiring of the mains system, in accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation.
- The appliance requires a 3 Amp supply fuse.
- Power supply connection; the Mira Event XS is fitted with a terminal block and earth stud which will accept cable up to 2.5mm2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.





BEAB Approved CE WRAS APPROVED PRODUCT

Extreme

Description

- An all-in-one power shower with an integral 230V/240V AC pump and mixer assembly.
- Independent spray force and temperature selection controls.
- 15mm dual entry push-fit inlet connections.
- Patented pump design removes the need for priming under recommended installation conditions.
- Integral inlet filters and check valves.
- Cover, case and internal assemblies moulded from engineering plastics and polymers.
- Thermostatic temperature control system.
- Push button flow controls to give three levels of spray force.
- Push button Stop control.
- Over rideable maximum temperature stop (may be disabled).
- Generates flow of up to 16 l/min at 0.1 bar.

Product Range

Mira Extreme

Surface-mounted all-in-one power shower for connection to exposed pipework and operation with gravity fed supplies.

Supplied complete with a metal clad shower hose, clamp bracket, slide bar, wall-mounted soap dish, hose retaining ring/gel hook and Mira Logic Power showerhead offering four different spray modes (Start, Champagne, Massage and Eco) and rubberised finger grips for ease of adjustment.

Mira Extreme Thermostatic, white/chrome finish

Technical Information

Limitations of Use

- The Mira Extreme must not be connected to a mains fed water supply.
- The Mira Extreme is not suitable for installation in institutional/ commercial applications.
- The powerful pump motor is fitted on rubber isolation mounts to reduce the transmitted sound levels. The type of wall surface will affect the perceived sound levels.
- The Mira Extreme should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Temperature

- Wax capsule temperature control system.
- Automatic shutdown to seepage if cold supply fails.
- Temperature control range: 35°C - 45°C.
- Maximum recommended hot water temperature: 65°C.
- Minimum temperature differential: 12°C between blend and hot.

Pressure

- Minimum maintained pressure: 0.008 bar min. (80mm).
- Maximum maintained pressure: 0.5 bar.
- Maximum static pressure: 1.0 bar.
- Maximum pressure loss ratio: 10:1.

Performance

The specification performance outlined below for the standard appliance is achieved with a blend set between 35°C - 45°C and supplies of 15°C cold and 65°C hot with nominally equal pressures.

- The blended water temperature is maintained within 1°C with a 10°C change in the hot or cold water supply.
- The thermostat effects a shut down to seepage in approximately 2 seconds if the cold supply fails.
- Shut down to seepage is achieved only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water temperature is maintained within 1.5°C when the pressure between inlet and outlet is halved (defined as a pressure loss ratio of 2:1) on either the hot or cold side.
- Temperature overshoot will not exceed 50°C when adjusting the blend temperature from full cold to full hot.

Guarantee

- Guaranteed for one year from date of purchase against faulty materials or workmanship. Optional extended warranty available. Contact Mira Customer Support.

Application

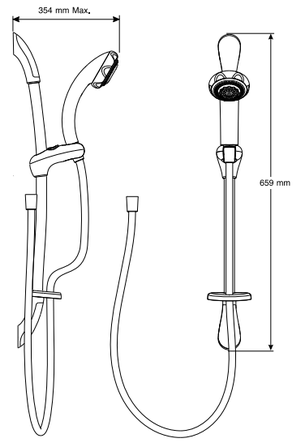
The Mira Extreme is suitable for installation as part of gravity fed plumbing systems only.

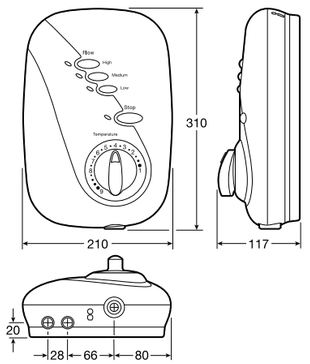
Installation - Plumbing

- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface-mounted.
- Inlet connections: 15mm dual entry push-fit inlet connections.
- Supports three inlet configurations; top, bottom or back inlet supply.
- Outlet connection: 1/2" BSP male.
- The storage cistern should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.

Installation - Electrical

- The appliance must be earthed.
- In accordance with the current edition of 'The Plugs and Sockets etc. (Safety) Regulations' in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The appliance requires a 3 Amp supply fuse.
- Power supply connection; the Mira Event XS is fitted with a terminal block and earth stud which will accept cable up to 2.5mm².
- Maximum ambient temperaure for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with 'Requirements for Electrical Installations', commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- The mains supply must be 230-240V at 50Hz connected to the appliance via a double pole switched 3 Amp fused connection unit (not supplied) with a minimum 3mm contact separation gap in each pole.
- We recommend the inclusion of a 30mA residual current device (RCD). This may be a requirement of Wiring Regulations and may be part of the consumer unit or a separate unit.
- Absorbed power: approximately 150 Watts under normal working conditions.





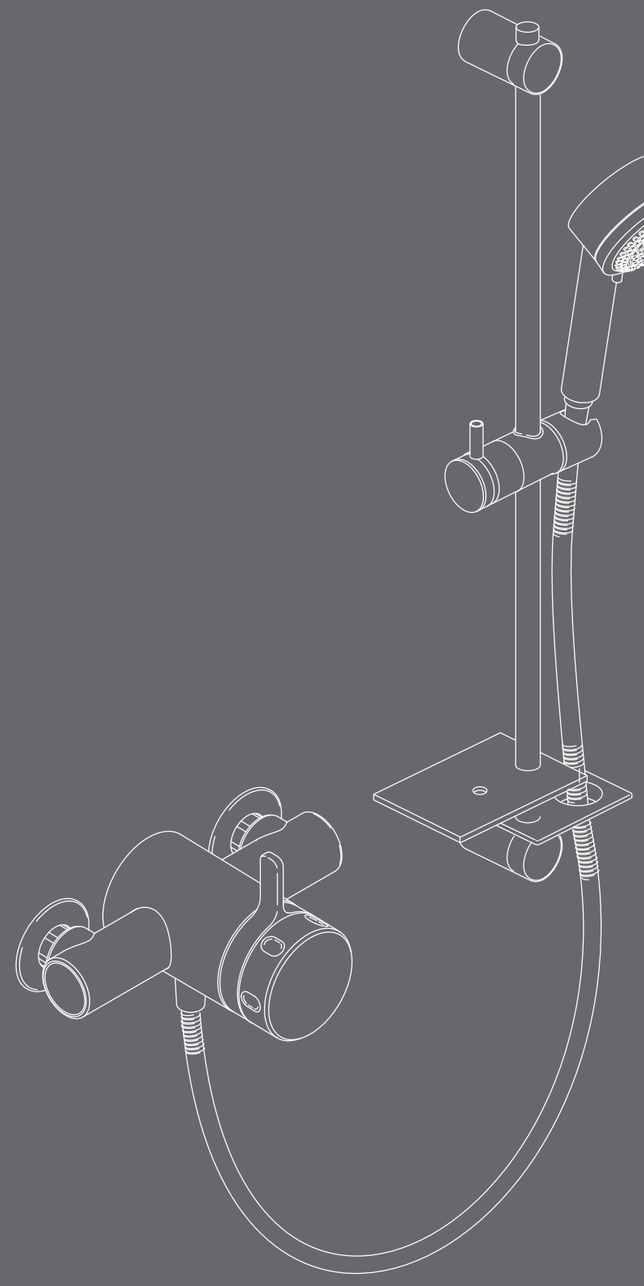
BEAB Approved CE WRAS APPROVED PRODUCT

Contract showers

Mira Select and Verve are two mixer valve showers specifically designed for the contract shower market. Both give excellent control through thermostatic precision, while also boasting eye-catching looks to enhance any bathroom.

The shower to suit your needs -

Compatible with all plumbing systems, Mira Select mixes hot and cold water to create the ideal temperature, while thermostatic control compensates for any variations in temperature and flow. Mira Verve performs at its best with high-pressure systems. It also offers thermostatic performance and has matching brassware available, helping you create a consistent and stylish look.



Select

Description

- Thermostatic ½" shower control.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Separate flow & temperature controls.
- High flow performance through 15mm pipework supplies.
- Sealed for life, replaceable cartridge for ease of servicing.
- Suitable for use with both high and low pressure applications.
- Valve and inlet fittings manufactured from corrosion resistant brass. Metal controls.

Product Range

Mira Select EV (shower control only)

Surface-mounted shower control for connection to falling, rising and rear entry pipework.

Mira Select B (shower control only)

Built-in shower control for connection to concealed pipework and including right-angled hose connector.

Mira Select Variable Shower Fittings

Mira Select adjustable spray showerhead with four different spray actions, hose, clamp bracket, soap dish, slide bar, hose retaining ring and additional high capacity spray plate.

Mira Select Buit-in Rigid Showerhead

Mira Select built-in showerhead with four different spray actions and additional high capacity spray plate.

Mira Select EV exposed with variable fittings

Mira Select BIV with variable fittings

Mira Select BIR with built-in rigid showerhead

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature.

Limitations of Use

- The Mira Select should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution.

Performance

The specification performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, and nominally equal inlet supply pressures:

- Thermostatic temperature control achieved in the range 35°C to 45°C.
- The blended water temperature is maintained within 2°C with a 10°C change in the hot or cold supply.
- The Mira Select will effect a shutdown to seepage in typically 2 seconds if the hot or cold supply fails.
- Shutdown to seepage is effected only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water is maintained with 2°C range, when the pressure between the inlet and outlet is halved (a pressure loss ratio of 2:1) on either hot or cold side.

Temperature

- TMV2 approved
- Thermostatic cartridge technology.
- Automatic shutdown to seepage within 2 seconds if the hot or cold supply fails.
- Temperature control range: 35°C-45°C.
- Maximum inlet hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential: 12°C (between blend and hot).

Pressure

- Minimum pressure 0.1 bar.
- Maximum maintained pressure 5.0 bar.
- Maximum static pressure 10.0 bar.

Accessories

- Optional DCV-H: outlet double check valve providing an alternative method of complying with UK Water Regulations.

Guarantee

Guaranteed for two years from date of purchase against faulty materials or workmanship.

Application

The Mira Select is suitable for installation as part of the following plumbing systems:

- Gravity fed.
- Fully modulating instantaneous gas heated. †
- Mains pressurised - heated from a thermal store. †
- Unvented mains pressure.
- Pumped.

† When the Mira Select is used with mains pressure appliances at above 5 bar maintained, a drop-tight pressure reducing valve is recommended to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

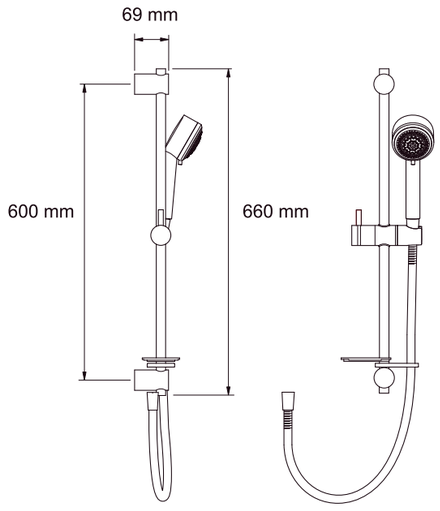
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers.
- The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.

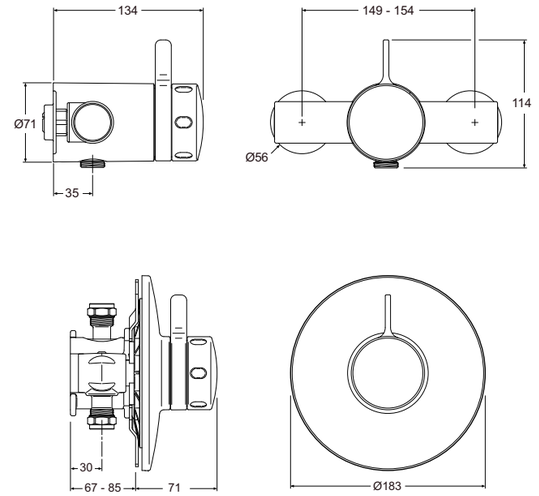
Mira Select Surface-mounted (shower control only)

- Adjustable inlet elbows accept falling, rising and rear entry supplies.
- Variable inlet centres 149-154mm.
- Inlet connection: 15mm compression.
- Outlet connection: ½" flat face.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.
- Easily serviceable large inlet filters.

Mira Select Built-in (shower control only)

- Inlet connection: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket: for thin panel thicknesses between 4-21mm, or solid, dry lined or stud partition walls.
- Rising and falling inlet supplies go directly into the valve without the need for elbows.
- Right-angled hose connector.
- Built-in shroud for product protection during plastering.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.
- Easily serviceable large inlet filters.





Building-in Depth

Verve

Description

- Thermostatic ½” shower control with an adjustable and overrideable maximum temperature stop which may be disabled.
- Automatic shutdown to seepage should the hot or cold water supply fail.
- Optimised for high pressure systems.
- Separate flow and temperature controls.
- Maintenance-free thermostatic cartridge.
- Ceramic plate flow control mechanism ensuring tight shut-off.
- Mixer body and inlets are produced in corrosion resistant brass.
- Other components are manufactured from engineering plastics.

Product Range

Mira Verve (shower control only)

Surface-mounted shower control for connection to rising or falling exposed pipework, or rear-entry pipework.

Mira Verve B (shower control only)

Built-in shower control for connection to concealed pipework and right-angled hose connects.

Mira Verve Variable Shower Fittings

Mira Verve Adjustable Spray showerhead with three different spray actions, hose, clamp bracket, soap dish, slide bar, hose retaining ring and additional low capacity spray plate.

Mira Verve Buit-in Rigid Showerhead

Mira Verve built-in showerhead with three different spray actions and additional low capacity spray plate.

HIGH COMBI High pressure systems & combis only

5 YEAR GUARANTEE

TMV 2 SCHEME

Mira Verve EV surface-mounted with variable fittings

Colour finishes:

Chrome (E) (B) (UV) (BIR)

White (B) (UV) (BIR)

Mira Verve BIV built-in model with adjustable handset, chrome finish

Mira Verve BIR built-in model with fixed head, chrome finish

Technical Information

Principle of Operation

This fully thermostatic shower control mixes hot and cold water to the desired showering temperature and automatically compensates for variation in both the temperature and pressure of the inlet water supplies to maintain the blend temperature. The shower force can be adjusted with the ceramic flow control.

Limitations of Use

- The Mira Verve should not be used for applications where an outlet flow control forms part of the shower fitting.
- The product and its components are only suitable for normal water supplies and should be cleaned only with mild washing up detergent or soap solution. Light golden products should be cleaned using a soft damp cloth only.

Temperature

- Wax capsule temperature sensor.
- Automatic shutdown to seepage within 2 seconds if cold supply fails.
- Adjustable and over-rideable maximum temperature stop which may be disabled.
- Temperature control range: 35°C-50°C.
- Maximum hot water temperature: 85°C (BS 6700 recommends a maximum of 65°C).
- Minimum temperature differential: 12°C. (between blend and hot)

Pressure

- Optimum minimum maintained pressure: 1.0 bar
- Maximum maintained pressure: 5.0 bar
- Maximum static pressure: 10 bar
- Maximum pressure loss ratio: 10:1

For occasional variances in system pressure the Mira Verve will maintain the spray pattern and thermostatic performance down to 0.2 bar.

Performance

The performance outlined below is achieved with inlet water supply temperatures of 15°C cold and 65°C hot, and nominally equal inlet supply pressures:

- Close thermostatic temperature control achieved in the range 35°C to 50°C.
- The blended water temperature is maintained within 1°C with a 10°C change in the hot or cold supply.
- The Mira Verve will effect a shutdown to seepage in typically two seconds if the cold supply fails.
- Shutdown to seepage is effected only if the hot supply is a minimum of 12°C above the blend temperature.
- The blended water is maintained within ±1°C, with a pressure loss ratio of 2:1 on either the hot or cold side.

Accessories

- Optional DCV-H; outlet double check valve is available for use instead of the Hose Retaining Ring, providing an alternative method of complying with Water Regulations.

Guarantee

- Guaranteed for five years from date of purchase against faulty materials or workmanship.

Application

The Mira Verve is suitable for installation as part of the following plumbing systems:

- Fully modulating instantaneous gas heated. †
- Mains pressurized (heated from a thermal store). †
- Unvented mains pressure. †
- Pumped gravity fed. †

† When the Mira Verve is used with mains pressure appliances at pressures above 5 bar maintained, a drop-tight pressure reducing valve must be installed to maintain performance. Refer to the plumbing schematic diagrams for its position.

Installation

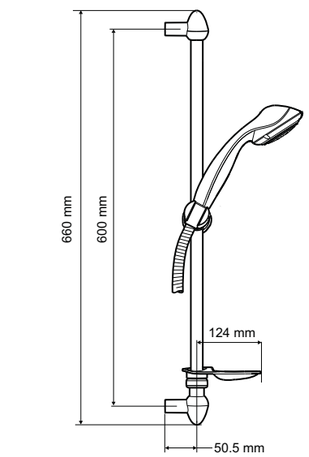
- The plumbing installation must comply with the requirements of UK Water Regulations/Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered, or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes can cause damage to plastic components.

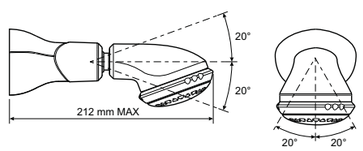
Mira Verve Surface-mounted (shower control only)

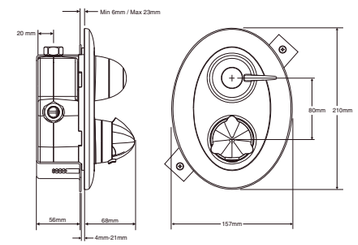
- Adjustable inlet elbows accept falling, rising and rear entry supplies.
- Inlet connections: 15mm compression, 1/2_ BSP male.
- Outlet connection: 1/2_ BSP male.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.
- Large serviceable inlet filters.

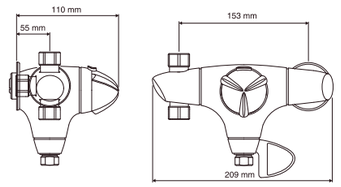
Mira Verve Built-in (shower control only)

- LeakSafe complete body seal.
- Push-fit capable straight and right angle connectors.
- Inlet connections: 15mm compression.
- Outlet connection: 15mm compression.
- Mounting bracket: for thin panel thicknesses between 4-21mm or between 6-23mm for solid, dry lined or stud partition walls.
- Right-angled hose connector: 15mm compression.
- Building-in shroud for product protection during plastering up.
- Reversed inlet connections supported.
- Alternative top or bottom outlet supported.









Mira Verve Taps polished chrome finish, solid brass body and WRAS approved (examples shown below).

Basin pillar taps

Two handled swivel spout

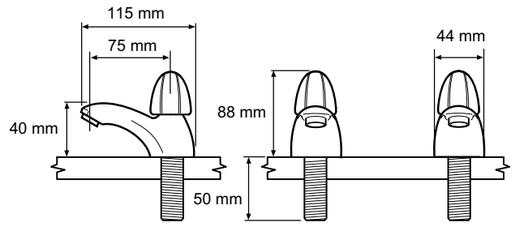
Two handled short spout

Deck-mounted bath shower mixer

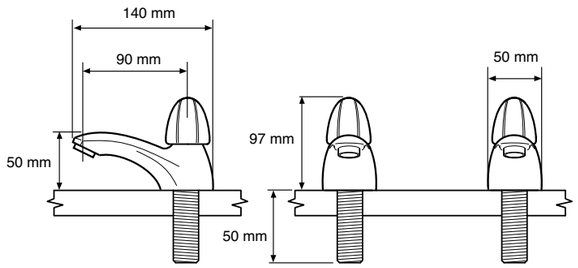
Wall-mounted bath shower mixer

Two hole deck-mounted bath shower mixer

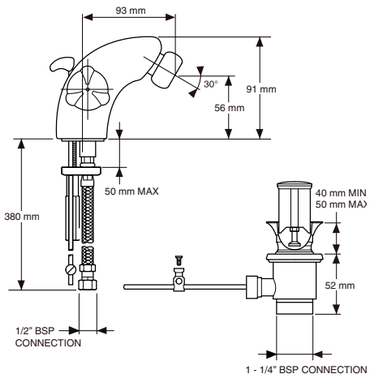
Mira Verve basin pillar taps
Low and high pressure



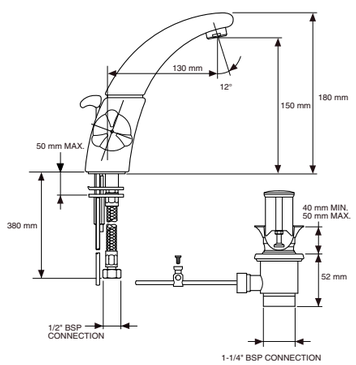
Mira Verve bath pillar taps
Low and high pressure



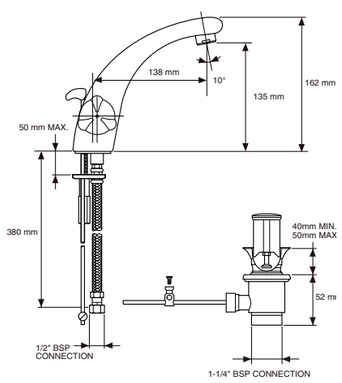
Mira Verve two handle monobloc bidet mixer
Low and high pressure



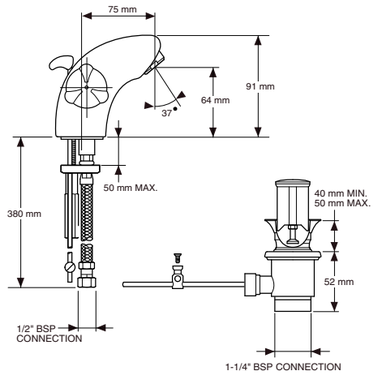
Mira Verve two handle monobloc basin mixer - swivel spout
Low and high pressure



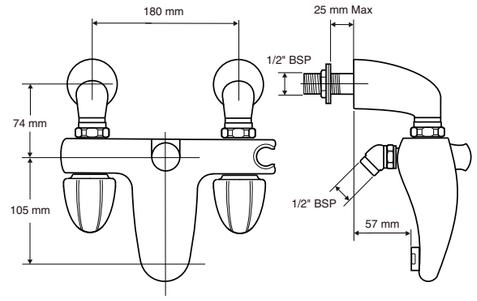
Mira Verve two handle monobloc basin mixer - fixed spout
Low and high pressure



Mira Verve two handle monobloc basin mixer - short spout
Low and high pressure



Mira Verve two handle deck-mounted bath/shower mixer
Low and high pressure



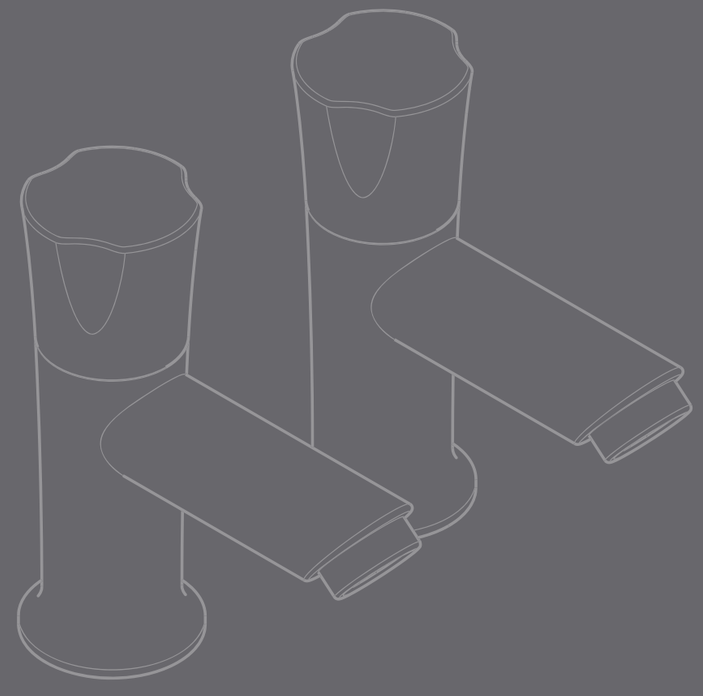
Mira Verve two handle wall-mounted bath/shower mixer
Low and high pressure

Mira Verve four hole deck-mounted bath/shower mixer
Low and high pressure

Taps/Pumps/Trays

Installing a shower is about so much more than the actual shower unit. The chances are your customers will want a range of accessories to match. Rest assured, you can find everything you need at Mira.

Choose a Mira tray for extreme durability and also extreme ease of installation. While if you need a high performance pump, our simplified range means it's never been easier to choose the right model. And for the finishing touches, we offer high quality matching brassware that's compatible with a wide range of Mira showers. Mira really is your one stop shop for showering.



Discovery

Mira Discovery Taps polished chrome finish, solid brass body and WRAS approved (examples shown below).

Basin pillar taps

Single lever monobloc basin mixer

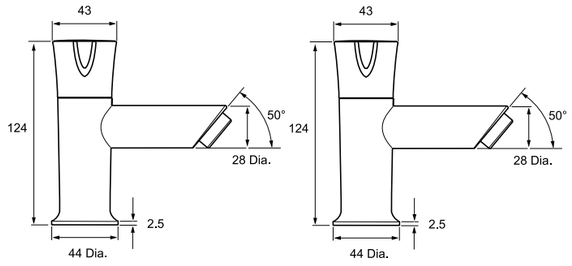
Deck-mounted bath shower mixer

Single lever monobloc bidet mixer

Two hole wall-mounted bath shower

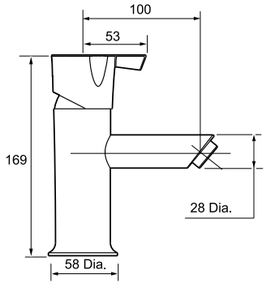
Two hole deck-mounted bath shower mixer

Mira Discovery basin pillar taps

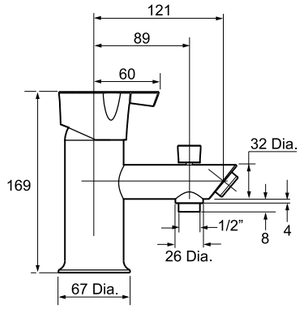


Mira Discovery bath pillar taps

Mira Discovery monobloc basin mixer



Mira Discovery monobloc bath/shower mixer

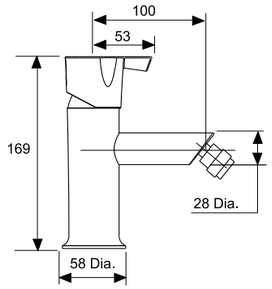


Discovery

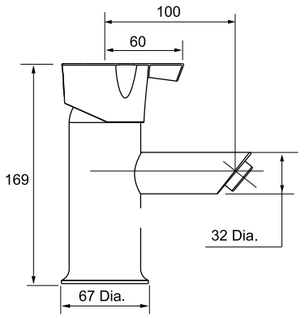
For more detailed technical information please visit our website where you can download all product specification sheets

www.mirashowers.co.uk

Mira Discovery monobloc bidet mixer



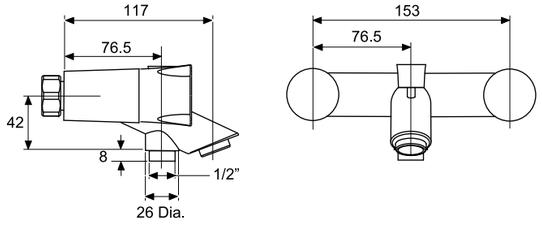
Mira Discovery monobloc bath filler



Mira Discovery two handle deck-mounted bath filler

Mira Discovery deck-mounted bath/shower mixer

Mira Discovery wall-mounted bath/shower mixer



WRAS APPROVED PRODUCT

Fino

Mira Fino Taps polished chrome finish, solid brass body and WRAS approved (examples shown below).

Basin pillar taps

Two handle monobloc basin mixer fixed spout

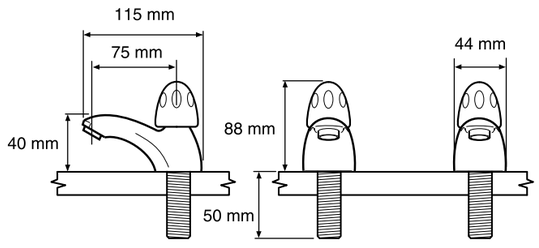
Two handle monobloc basin mixer short spout

Three hole basin mixer

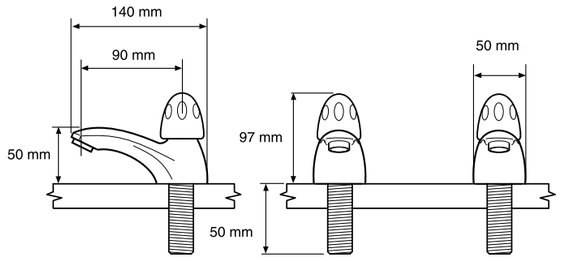
Two handle wall-mounted bath shower mixer

Two handle deck-mounted bath shower mixer

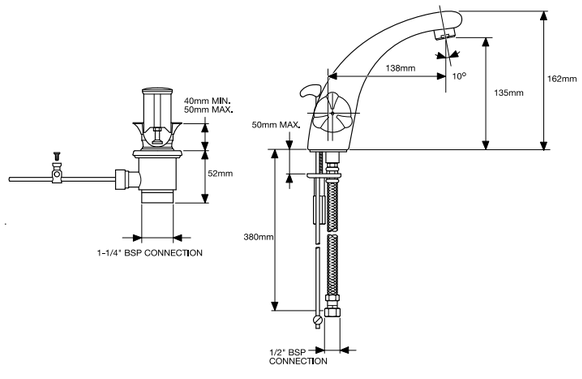
Mira Fino basin pillar taps
Low pressure only



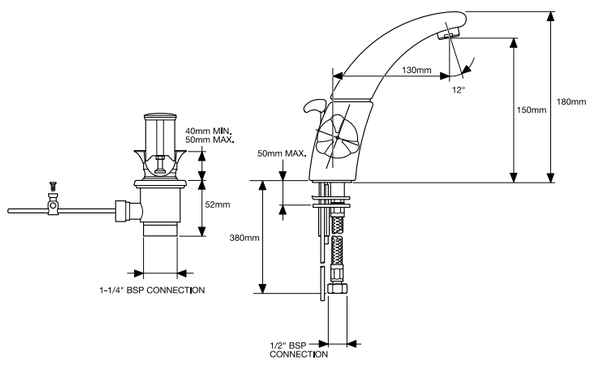
Mira Fino bath pillar taps
Low pressure only



Mira Fino two handle monobloc basin mixer, fixed spout
Low and high pressure



Mira Fino two handle monobloc basin mixer, swivel spout
Low and high pressure



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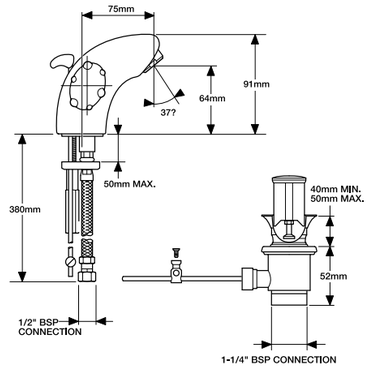
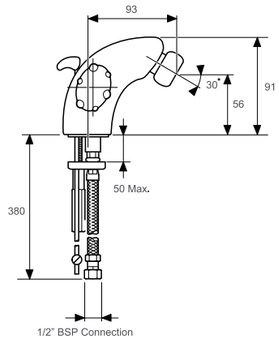
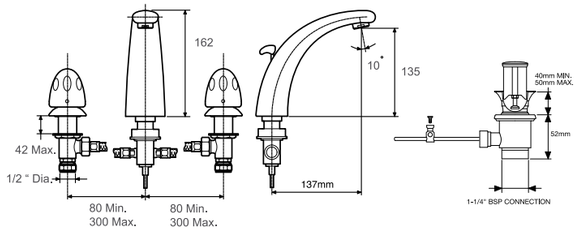
Mira Fino two handle monobloc basin mixer, short spout
Low and high pressure



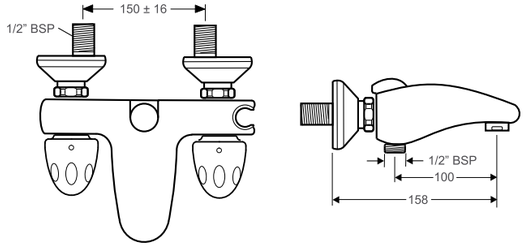
Mira Fino two handle monobloc bidet mixer
High pressure only



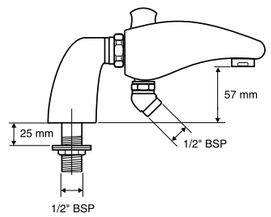
Mira Fino three hole basin mixer
Low and high pressure



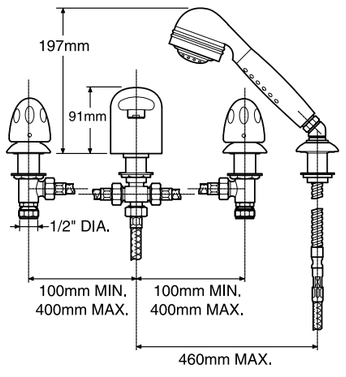
Mira Fino two handle wall-mounted bath/shower mixer
High pressure only



Mira Fino two handle deck-mounted bath/shower mixer
High pressure only



Mira Fino four handle deck-mounted bath/shower mixer
High pressure only



WRAS APPROVED PRODUCT

Excel

Mira Excel Taps polished chrome finish, solid brass body and WRAS approved (examples shown below).

Basin pillar taps

Single lever monobloc basin mixer

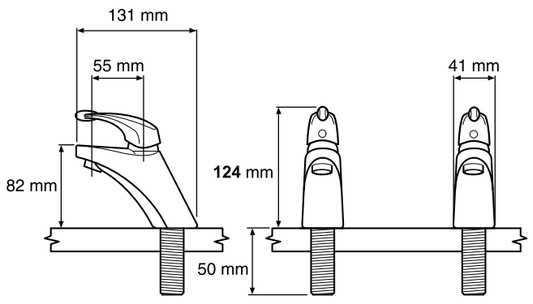
Single lever monobloc bidet mixer

Single lever wall-mounted bath shower mixer

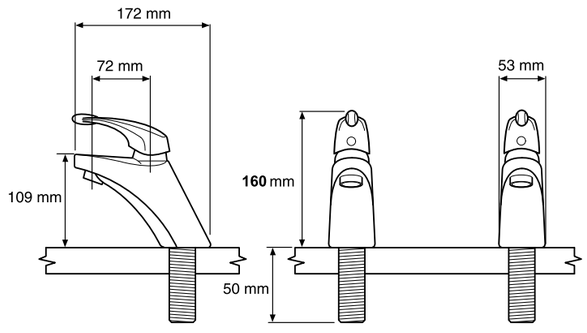
Single lever monobloc bath shower mixer

Single lever deck-mounted bath shower mixer

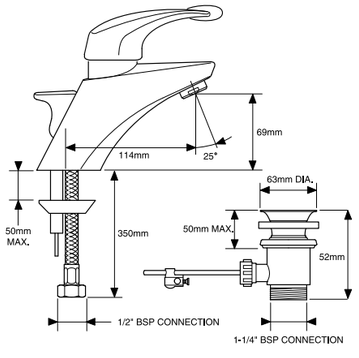
Mira Excel basin pillar taps
Low and high pressure



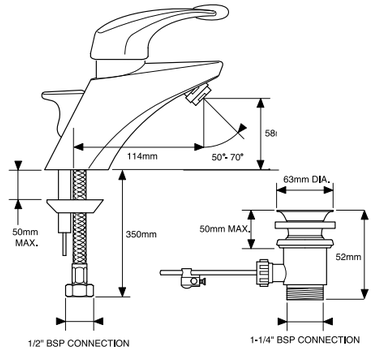
Mira Excel bath pillar taps
Low and high pressure



Mira Excel single lever monobloc basin mixer
Low and high pressure



Mira Excel single lever monobloc bidet mixer
Low and high pressure



Excel

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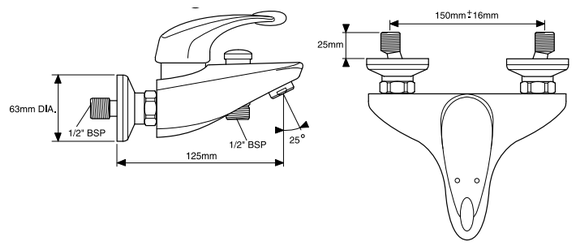
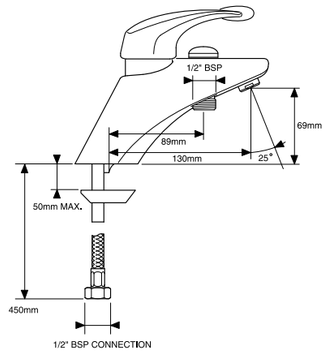
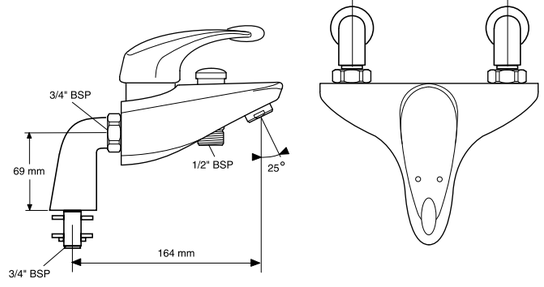
Mira Excel single lever wall-mounted bath/shower mixer
High pressure only



Mira Excel single lever-mounted bath/shower mixer
High pressure only



Mira Excel single lever deck-mounted bath/shower mixer
High pressure only



Pumps

Product Range

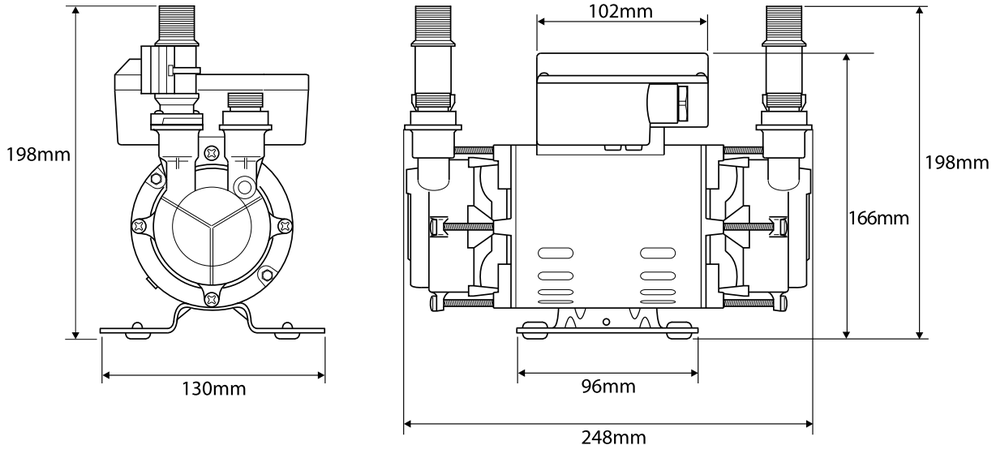
Mira Enduro Universal Pump
Free standing double ended shower pump with integral flow switch.

Mira Enduro Universal Shower Pump

- Domestic twin impeller inlet shower pump used to simultaneously boost hot and cold supplies.
- Generates a flow rate of up to 30 l/min at 1.0 bar.
- Durable brass bodied construction.
- Peripheral vortex (regenerative) impeller design.
- Quiet continuously rated motor.
- Integral flow switch for automatic operation.
- Supplied with 4 x 300mm braided flexible connectors each featuring a push-fit connector.

Enduro Universal Pump

Mira Enduro Shower Pump
Pressure
- Minimum inlet static pressure 0.1 bar must be maintained at all times.
- Maximum static inlet pressure 1.4 bar.



Pumps

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Installation

- The plumbing installation must comply with the requirements of UK Water Regulations/ Bylaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. The installation should be carried out by a plumber or contractor who is registered or is a member of an association.
- Protect the product from damage whilst making soldered connections. Some fluxes cause damage to plastic components.
- Surface-mounted on a level floor or platform with adequate air circulation.
- Connections:
  - Mira Enduro – Flexible inlet and outlet connectors terminate in 22mm push-fit connectors.
- The storage cistern should have a minimum storage capacity of 230 litres to provide adequate showering time and to comply with BS6700 (1987). Insufficient storage may result in the pump being run dry.

Electrical

- The appliance must be earthed.
- In accordance with the current edition of the “Plugs and Sockets etc. (Safety) Regulations” in force at the time of installation, this appliance is intended to be permanently connected to the fixed electrical wiring of the mains system.
- The appliance requires a 5 Amp supply fuse.
- The terminal block will not accept cable larger than 4mm^2.
- Maximum ambient temperature for the appliance whilst in use is 30°C.
- The appliance will provide satisfactory performance with an incoming electricity supply voltage of 230V ±10%. The supply voltage will affect the flow rate.
- The installation must comply with ‘Requirements for Electrical Installations’, commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company.
- The mains supply must be 230-240V at 50Hz connected to the appliance via a double pole switched 3 Amp fused connection unit (not supplied) with a minimum 3mm contact separation gap in each pole.

Limitations of Use

- The pumps must not be connected to a mains fed water supply.
- Mira shower pumps are not suitable for installation in commercial applications.
- The product and its components are only suitable for normal water supplies and non abrasive mild domestic cleaning agents.
- Mira shower pumps are designed for shower applications only.

Pressure

- Mira Enduro, maximum static inlet pressure: 1.4 bar.

Flow switch operation

- Mira Enduro, minimum flow rate required: 0.5 l/min. 100mm head (0.01 bar) will typically achieve this.

Trays

Description

Made from durable acrylic capped resin stone, Mira Flight is incredibly tough and strong whilst also being extremely light. Mira Flight trays are also scratch resistant, won't discolour and are available with 22mm high, 6mm wide upstands and optional Riser Conversion Kits.

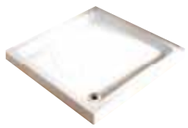
Features

- Acrylic capped resin stone for a far tougher product.
- Integral upstands for watertight performance.
- Scratch, chip and discolouration resistant.
- Fits an 85mm waste.
- Optional Riser Conversion Kit to change any flight tray to a riser tray for new build or solid or uneven floor applications.
- Riser Conversion Kit contains robust adjustable 'push-fit' legs, matching panels and clip-on fixings.
- Available in white, soft cream and pergamon.

Product Range

Mira Flight tray - square
Mira Flight tray - rectangle
Mira Flight tray - quadrant
Mira Flight tray - pentangle
Mira Flight tray - riser conversion kit

Mira Flight Square



Mira Flight Square

Availability

Size (mm)	Upstands 0	2	3	4	Riser Conversion Kit no.
760	●	●	●	●	1
800	●	●	●	●	2
900	●	●	●	●	2

Dimensions (mm)

Flat Top A	B	C	D	Upstands A	B	C	D	No. Legs*
760	760	160	55	770	770	165	60	4
800	800	160	55	810	810	165	60	4
900	900	160	55	910	910	165	60	4

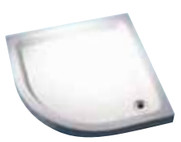
Mira Flight Rectangle

Availability

Size (mm)	Upstands 0	2	3	4	Riser Conversion Kit no.
900 x 760	●		●	●	2
1000 x 760	●		●	●	3
1000 x 800	●		●	●	3
1200 x 760	●	●	●	●	3
1200 x 800	●		●	●	3
1200 x 900	●		●	●	3

Dimensions (mm)

Flat Top A	B	C	D	Upstands A	B	C	D	No. Legs*
900	760	160	55	910	770	165	60	4
1000	760	160	55	1010	770	165	60	6
1000	800	160	55	1010	810	165	60	6
1200	760	160	55	1210	770	165	60	6
1200	800	160	55	1210	810	165	60	6
1200	900	160	55	1210	910	165	60	6



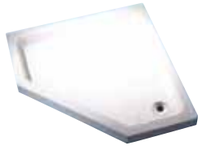
Mira Flight Quadrant

Availability

Size (mm)	Upstands 0	2	Riser Conversion Kit no.
800	●	●	5
900	●	●	5

Dimensions (mm)

Flat Top A	B	C	D	Upstands A	B	C	D	No. Legs*
800	800	160	55	810	810	165	60	4
900	900	160	55	910	910	165	60	4



Mira Flight Pentangle

Availability

Size (mm)	Upstands 0	2	Riser Conversion Kit no.
900	●	●	4

Dimensions (mm)

Flat Top A	B	C	D	Upstands A	B	C	D	No. Legs*
900	900	160	55	910	910	165	60	5

Trays

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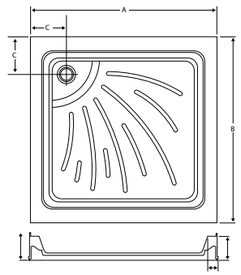
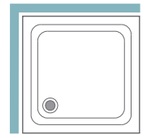
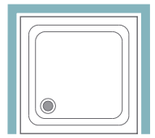


Waste to upstand position

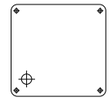


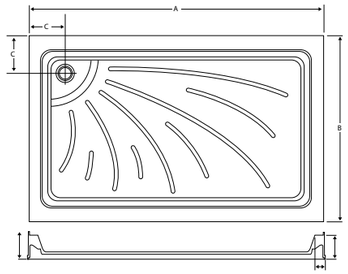
2 upstands



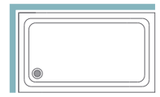
3 upstands

Leg position if converting to a riser tray



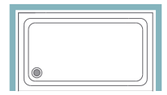


Waste to upstand position



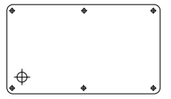
2 upstands Left hand

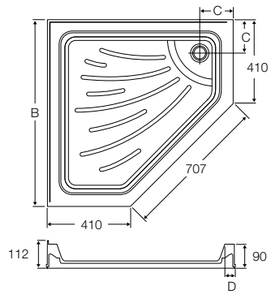
2 upstands Right hand



3 upstands

Leg position if converting to a riser tray

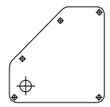


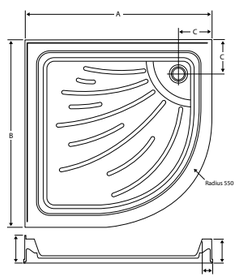


Waste to upstand position

2 upstands

Leg position if converting to a riser tray

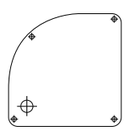




Waste to upstand position

2 upstands

Leg position if converting to a riser tray



Eco range

Mira Eco BIR
Three mode fixed showerhead

Mira Eco BIR
Three mode fixed showerhead

Mira Eco
Three mode
adjustable showerhead

Mira Eco
Three mode
adjustable showerhead

Now you can save water and enjoy the sensation of a great flow - Eco uses less water while still delivering an invigorating shower experience.

Saving water is good news for the environment and for your utility bills too. Choose an Eco showerhead and you'll know you're using water as efficiently as possible, thanks to groundbreaking Mira technology. By delivering larger water droplets filled with air, Eco creates a great showering sensation, while actually cutting the amount of water used by up to 75%*. So you don't have to compromise on that exhilarating Mira feeling to do your bit for the environment.

Fitting an Eco showerhead to your shower means you'll also save on the fuel bills, as there's less water to heat. Not only that, Eco also comes with special 'wipe-clean' nozzles to keep lime scale at bay.

Save water whatever your favourite flow

Mira's water-saving technology works across all three of Eco's spray patterns. So whether you prefer a gentle spray or a concentrated flow, you're still saving water and heating costs.

*When compared to a Mira Logic showerhead at 0.5 bar pressure. Mira Eco is not suitable for electric showers or gravity fed systems under 0.5 bar pressure.

To order direct from Mira at the recommended retail price please call us on 0870 241 0888 (UK only Monday - Friday 8.00am - 5.30pm and Saturday 8.30am - 3.30pm).

Everclear range

Everclear
showerhead

Complete set of
shower fittings

For an even cleaner handset, simply push the plate into the shower to shift any remaining limescale.

Hard water?
No problem! Mira Everclear gets rid of any limescale to make sure your shower always looks great and delivers a flow to match.

Limescale doesn't just leave ugly marks on your shower, it can clog up the nozzles to create an impeded spray. But with an Everclear, the handset drains automatically before any limescale builds up. There's a range of finishes and models to choose from, so you can find the showerhead that matches your existing shower perfectly.

Update your shower in an instant

Everclear comes with a complete set of shower fittings, including a slide bar and shower hose. So you have everything you need to upgrade your existing shower in seconds.

To order direct from Mira at the recommended retail price please call us on 0870 241 0888 (UK only Monday - Friday 8.00am - 5.30pm and Saturday 8.30am - 3.30pm).

Full kits

If you want to replace a worn part on your existing shower or perhaps update its look, you don't have to replace the whole thing. Simply choose your ideal style and functions from our wide range of complete shower fittings.

Mira Everclear Fittings kit*

Mira Response Fittings kit*

Mira Logic Fittings kit*

Mira Discovery Fittings kit

Mira Starglide Fittings kit**

Mira Waterveil Fittings kit

Also available in:

White*

Satin/ White**

To order direct from Mira at the recommended retail price please call us on 0870 241 0888 (UK only Monday - Friday 8.00am - 5.30pm and Saturday 8.30am - 3.30pm).

Showerheads

Whether you're looking for a fixed, adjustable or power showerhead, we have the model to match.

Single spray showerhead

Ideal if you have an electric or low pressure gravity-fed mixer shower.

Adjustable spray showerhead

Compatible with most mixer and electric showers.

Power showerhead

For power showers and high pressure systems.

Adjustable spray fixed showerhead

Suitable for all built-in mixer showers

All adjustable spray and power showerheads come with a choice of three exhilarating spray patterns, plus a water-saving economy setting. Whichever you choose, rub-clean rubber nozzles make cleaning easy.

*Also available in:

White

To order direct from Mira at the recommended retail price please call us on 0870 241 0888 (UK only Monday - Friday 8.00am - 5.30pm and Saturday 8.30am - 3.30pm).

Single Spray Showerheads

Mira Response single spray showerhead

Mira Everclear single spray showerhead*

Mira Waterveil 14cm single spray showerhead

Adjustable Showerheads

Mira Waterveil 11cm three mode showerhead

Mira Response four mode showerhead

Mira Logic four mode showerhead*

Mira Magna four mode showerhead

Mira Waterveil 17cm five mode showerhead

Power Showerheads

Mira Response four mode power showerhead*

Mira Logic four mode power showerhead*

Mira Magna four mode power showerhead

Fixed Showerheads

Mira Everclear single mode fixed showerhead*

Mira Discovery single mode fixed showerhead

Mira Response four mode fixed showerhead

Mira Logic four mode fixed showerhead*

Various

From soap dishes to shower seats, with Mira you can add whatever you need to create your ideal shower.

Slide bar set
Stylish and robust, our fully adjustable slide bar sets come with everything you need, including a clamp bracket and hose retaining ring / gel hook.

Showerhead holder
Create a contemporary look, with this alternative to the traditional slide bar.

Hose
Mira Response delivers an intense flow, with easy to clean plastic coating, while Mira Logic's double interlocked metal hose gives you maximum strength and durability.

Soap dish
Choose the model that suits you. Mira Response fits neatly onto your existing slide bar, while Mira Logic is-mounted directly onto the wall.

Shower seat
Make showering comfortable and easy with a flip down shower seat you can use inside or outside the shower.

Wall outlet
Connects the hose on any built-in shower.

Clamp bracket
Push button release makes using the bracket a simple, one-handed job. Suitable for all 22mm diameter slide bars.

To order direct from Mira at the recommended retail price please call us on 0870 241 0888 (UK only Monday - Friday 8.00am - 5.30pm and Saturday 8.30am - 3.30pm).

Mira Logic showerhead holder*

Mira Response showerhead holder*

Mira Logic clamp bracket*

Mira Logic soap dish*

Mira Response soap dish*

Mira Logic wall outlet*

Mira Response wall outlet

Mira Logic hose*

*Also available in:

White

Mira Response hose*

Mira shower seat

Mira Response slide bar*

Mira Logic slide bar*

Mira Special Needs Fittings kit

Schematic plumbing
Explained

- Layout and sizing of pipework must be such that when other services are used, pressures at the products inlet(s) are maintained approximately equal and do not fall below the recommended minimum.
- Electrical installations must comply with the “Requirements for Electrical Installations” commonly referred to as the IEE Wiring Regulations, or any particular regulations and practices specified by the local electricity supply company. Installations should be carried out by an electrician or contractor who is registered or is a member of an association such as:
  - National Inspection Council for Electrical Installation and Contracting (NICEIC), throughout the UK **Tel: 020 7 564 2323**.
  - Electrical Contractors Association (ECA), England and Wales **Tel: 020 7 313 4800**.
  - Electrical Contractors Association of Scotland (ECAS) **Tel: 0131 445 5577**.
- Plumbing installations must comply with UK Water Regulations/Byelaws (Scotland), Building Regulations or any particular regulations and practices specified by the local water company or water undertakers. Installations should be carried out by a plumber or contractor who is registered, or is a member of an association such as:
  - Institute of Plumbing & Heating Engineering (IPHE), throughout the UK **Tel: 01708 472791**.
  - National Association of Plumbing, Heating and Mechanical Services Contractors (NAPH & MSC), England and Wales **Tel: 0247 647 0626**.
  - Scottish and Northern Ireland Plumbing Employers’ Federation (SNIPEF), Scotland and Northern Ireland **Tel: 0131 225 2255**.
- The following diagrams and text illustrate typical examples of suitable plumbing systems for Mira shower products.

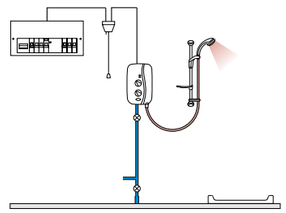
Key to symbols appearing throughout this section:

- Float operated valve
- Stop or servicing valve
- Shower control
- Warning or overflow pipe
- Drop tight pressure reducing valve
- Single impeller outlet pump
- Twin impeller inlet pump
- Tempering valve
- Mini expansion vessel

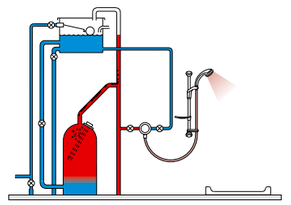
For more detailed technical information please visit our website where you can download all product specification sheets **www.mirashowers.co.uk**

Schematic plumbing
System diagrams

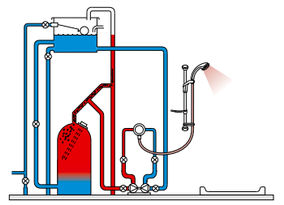
Instantaneous electric showers
Electric showers can be supplied from either the cold water mains supply or cold water storage cistern depending on the model of electric shower. The minimum maintained inlet pressure requirements for either model must be met.



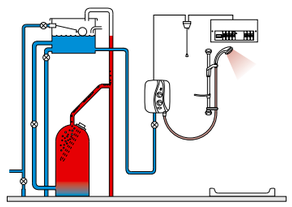
Gravity fed showers
Shower controls MUST be fed from a cold water storage cistern and hot water cylinder providing nominally equal pressures.



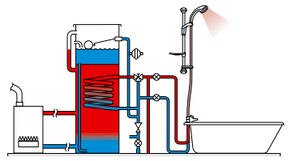
Pumped showers inlet pumps
Shower controls can be installed with an inlet pump (twin impeller). The pump MUST be located on the floor next to the hot water cylinder and cylinder/vent pipes must be arranged as shown to achieve air separation.



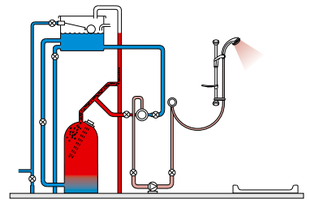
Gravity fed instantaneous electric showers
Pumped electric showers work by taking cistern fed cold water and passing it over the heating elements contained in the heater tank of the shower appliance.



Mains pressurised (heated from a thermal store)
Packages of this type, fitted with a tempering valve can be used with shower controls. The tempering valve provides a relatively constant hot water temperature and the shower control compensates for system temperature variations should they occur. A drop tight pressure reducing valve is required to ensure that the supply pressure does not exceed 5.0 bar maintained.

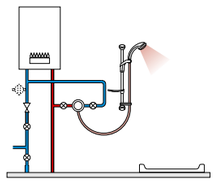


Pumped showers outlet pumps
Shower controls can be installed with an outlet pump (single impeller). The pump MUST be located on the floor next to the shower control. The hot water cylinder/vent pipe must be arranged as shown to achieve air separation.

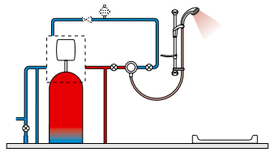


Gas heated showers
Shower controls MUST be installed with a multi-point gas water heater or combination boiler of a fully modulating design, providing nominally equal static pressures.

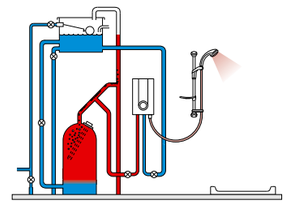
A fully modulating multi-point gas water heater or combination boiler is one in which the water draw-off rate controls indirectly the gas flow-rate to the burner. The concept is to produce relatively constant hot water output temperatures within the operating limits of the heating appliance. A drop tight pressure reducing valve will be required to ensure that supply pressure does not exceed 5.0 bar maintained.



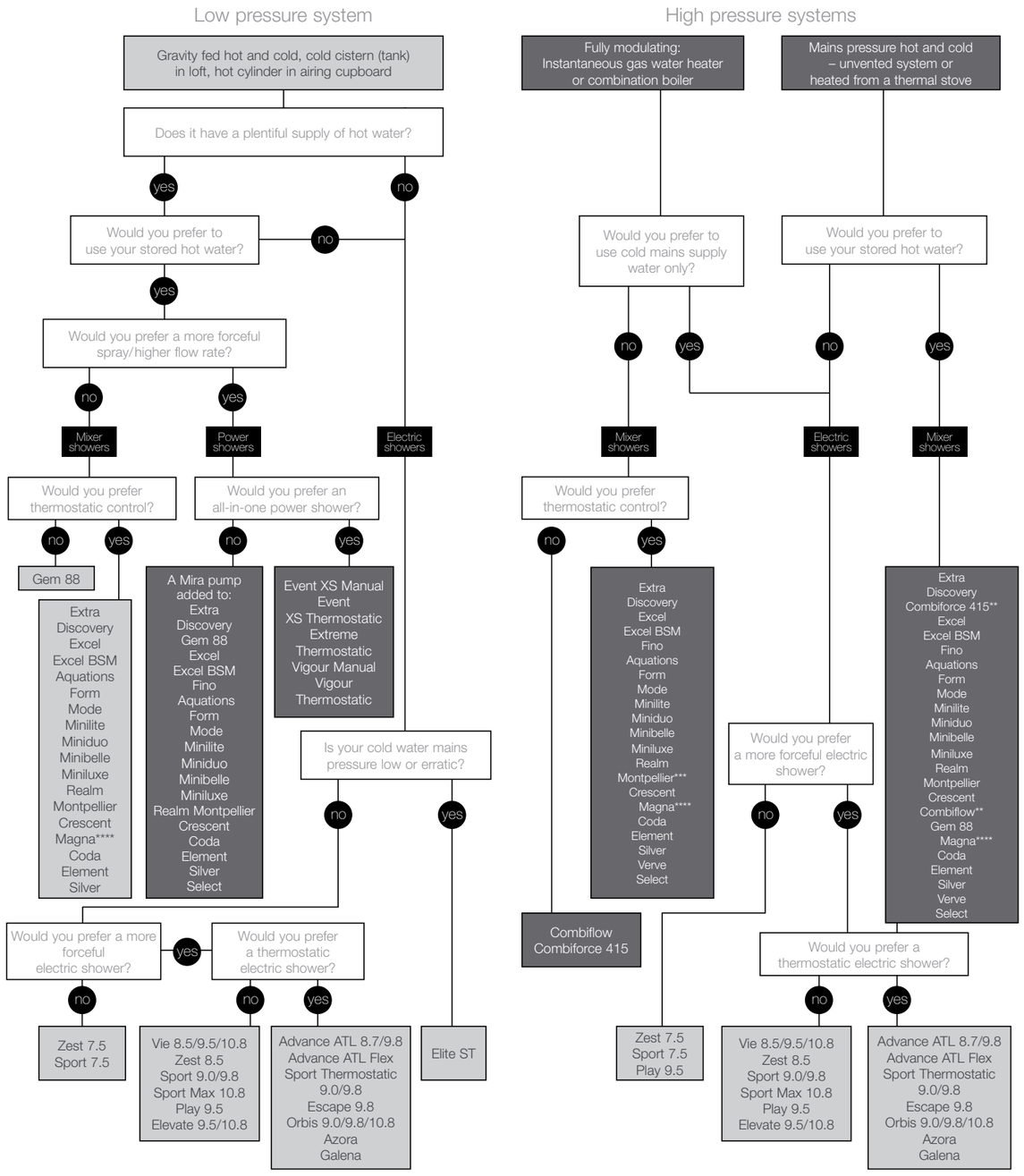
Unvented mains pressure showers
Shower controls can be installed with an unvented, stored hot water cylinder. Only a “competent person” as defined by “Part G” of “Schedule 1” to the “Building Regulations”, may fit this type of system. For packages with no cold water take off after the appliance pressure reducing valve, it will be necessary to fit an additional drop tight pressure reducing valve when the mains pressure is over 5.0 bar. The drop tight pressure reducing valve must be set at the same value as the unvented package and installed as shown dotted. This does not apply to packages with a cold take off after the appliance pressure reducing valve.



Gravity fed pumped showers all-in-one power showers
Shower controls must be fed from a cold water storage cistern and hot water cylinder providing nominally equal pressures. The hot water cylinder/vent pipe must be arranged as shown to achieve air separation.



Need to find the right shower quickly? Compare & select chart



* Consult your installer for compatibility or contact Mira Customer Service

** Check with your installer for type and compatibility of system or contact Mira Customer Service

*** This system is not suitable for use with the 12" head

**** Mira Digital Mixer Shower

Key: Low Pressure | High Pressure