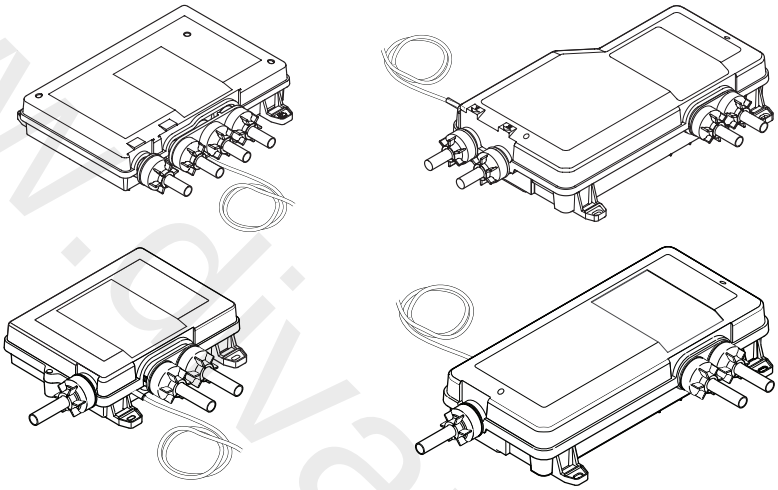
Mira Mode Digital Mixing Valve



Installation Guide

Please leave these instructions with the user

Showering perfection

mira SHOWERS

If you experience any difficulty with the installation or operation of your new shower, then please refer to the **Fault Diagnosis** section, before contacting **Kohler Mira Ltd**. Our telephone and fax numbers can be found in the back of this guide.

www.divapor.com

www.divapor.com

Important Information

Products manufactured by Kohler Mira Ltd are designed to be safe, provided that they are installed, used and maintained in good working order, in accordance with our instructions and recommendations.

Follow all warnings, cautions and instructions contained in this guide, and on, or inside the product. **Failure to follow the instructions provided with this product will invalidate the guarantee**.

WARNING! TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

1. Installation of this product must be carried out in accordance with these instructions by qualified, competent personnel. Read all instructions before commencing installation.
2. The electrical installation must comply with BS 7671 (commonly referred to as the IEE Wiring Regulations) and all relevant building regulations, or any particular regulation or practice specified by the local electricity supply company.
3. The plumbing installation must comply with all national or local water regulations and all relevant building regulations, or any particular regulation or practice specified by the local water supply company.
4. Isolate the electrical and water supplies before commencing installation. Mains connections are exposed when the valve module cover is removed.
5. The valve module must be earthed, ensure supplementary bonding is provided in accordance with the wiring regulations.
6. The valve module must be permanently connected to a 3A fused connection unit and be provided with means for disconnection incorporated in the fixed wiring in accordance with the wiring regulations.
7. We strongly recommend that a 30mA RCD is included in the electrical supply to the valve module.
8. **DO NOT** install the valve module, user interface or the remote on/off control in areas with high humidity and temperature (i.e. steam rooms and saunas).

www.plumbingspares.com

9. **DO NOT** install the valve module or fittings where they may be exposed to freezing conditions. Ensure that any pipework that could become frozen is properly insulated.
10. **DO NOT** perform any unspecified modifications, drill or cut holes in the product other than instructed by this guide. When servicing only use genuine Kohler Mira replacement parts.
11. If the valve module is dismantled during installation or servicing then, upon completion, an inspection must be made to ensure all electrical connections are secure and that there are no leaks.
12. **DO NOT** operate the product if water is leaking from inside the valve module. Isolate electrical and water supplies to the product and refer to the fault diagnosis section.
13. **DO NOT** apply power to the product if it is thought to have been exposed to freezing conditions. Isolate electrical and water supplies to the product and contact Kohler Mira Ltd.
14. Make sure that you fully understand how to operate this shower and make sure that it is properly maintained in accordance with the instructions given in this manual.
15. The Mira Mode can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand the hazards involved.
16. **DO NOT** allow children to play with the product.
17. **DO NOT** allow children to clean or perform any user maintenance without supervision.
18. Always check the water temperature is safe before bathing or showering.
19. When installing the Digital Mixer Valve to be used as a bath filler **ensure** the flow rate of the bath overflow fitted exceeds the flow rate output from the Digital Mixer Valve.
20. **DO NOT** remotely operate or alter any of the Mira Mode shower and bathing settings if it is already occupied and / or being used by another person.

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Guarantee

The Mira Mode has been designed for domestic use only, it is not recommended for Commercial or Healthcare use.

For domestic installations, Kohler Mira Limited, guarantee the Mira Mode against any defect in materials or workmanship for a period of five years from the date of purchase (shower fittings for one year).

Recommended Usage	
Domestic	✓
Light Commercial	✗
Heavy Commercial	✗
Healthcare	✗

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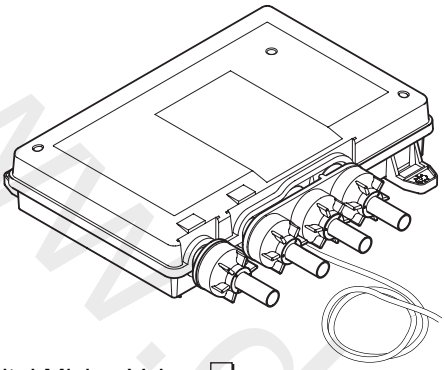
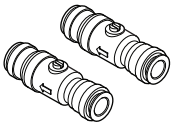
Pack Contents

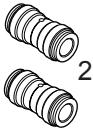
HP Dual Outlet



Digital Mixing Valve ❑



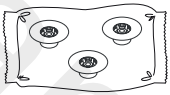
2 x Push-Fit Isolators ❑



2 x Outlet Connector ❑

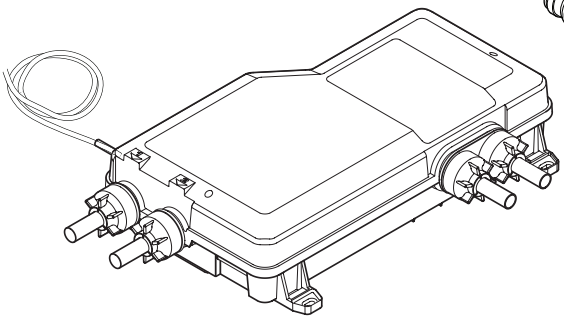
3 x Fixing Screws ❑

3 x Wall Plugs ❑

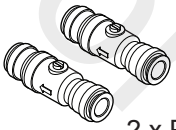


1 x Flow Regulator ❑
Component Pack

LP Dual Outlet



Digital Mixing Valve ❑



2 x Push-Fit Isolators ❑

2 x Outlet Connector ❑

3 x Fixing Screws ❑

3 x Wall Plugs ❑

www.divaplor.com

HP Single

LP Single

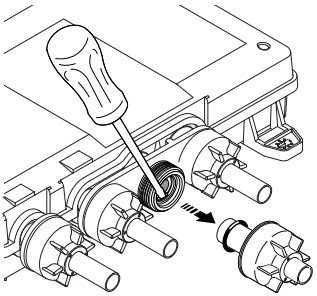
Use of Flow Regulators with Combination Boilers

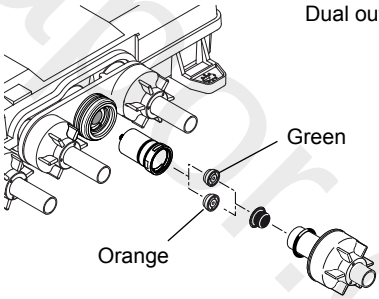
The Mira Digital Mixer Valve can demand hot water quicker than some instantaneous water heaters/combination boilers can provide, especially in winter when the mains water is colder. A Hot inlet flow regulator may need to be used to ensure that the Digital Mixer Valve can deliver a full range of water temperatures.

Note! The Mira **Single** outlet digital mixing valves are factory fitted with an 8 l/min hot inlet flow regulator. If installing a single outlet digital mixer with a combi boiler rated 36kW or greater or to mains pressurised systems the hot inlet flow regulator should be removed.

Note! The Mira **Dual** outlet digital mixing valves do not have a factory fitted hot inlet flow regulator. These are supplied in the component pack. The table indicates which flow regulator should be fitted in the hot water inlet of the Mira Digital Mixer Valve if installing to a combination boiler system.

Boiler Rating	24 kW (80,000 Btu/h)	30 kW (100,000 Btu/h)	36 kW (120,000 Btu/h)
Flow Regulator	7 litres/min	9 litres/min	Not required
Colour	White/Green	White/Orange	-





Dual outlet valve shown

1. Unscrew hot inlet plastic nuts and remove pipe and seal to gain access to the checkvalve cartridge and filter.
2. Use flat blade screwdriver to carefully lever cartridge out.
3. Fit/remove the flow regulator from checkvalve cartridge behind filter as required.
4. Refit seal, pipe and plastic nut. Plastic nuts require hand tightening only.

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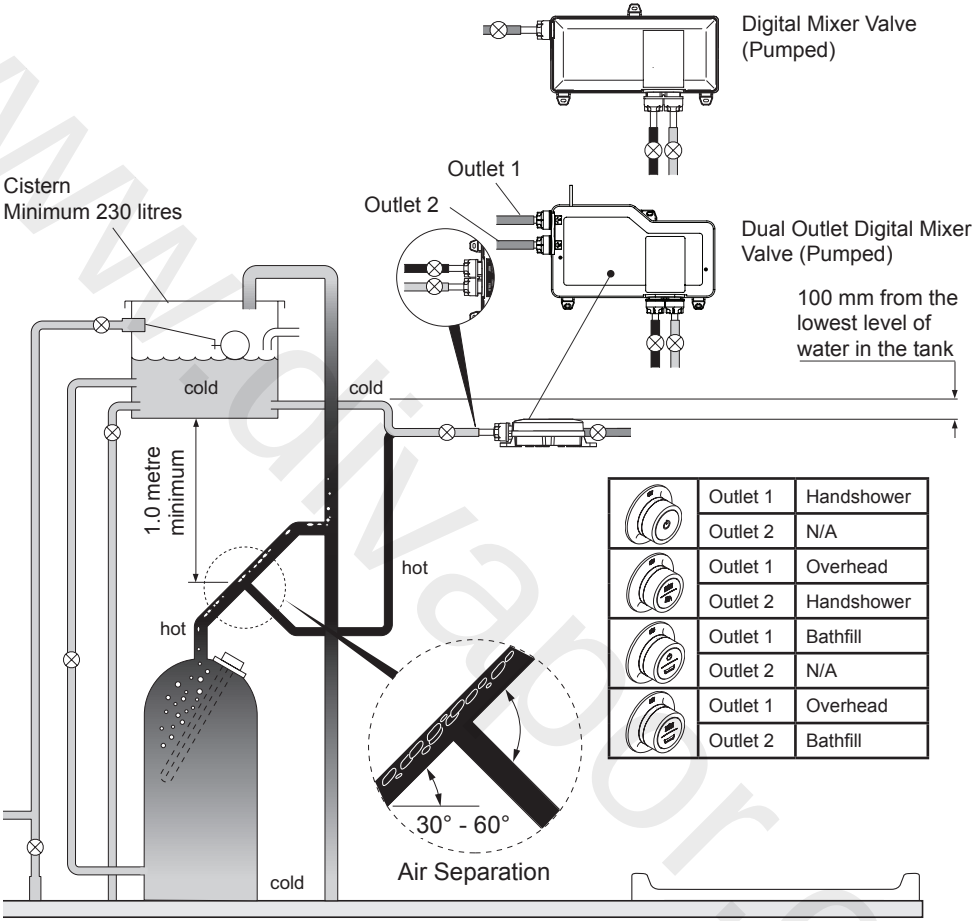
3. Gravity Fed Showers

Caution! Risk of product damage. Do not fit the Mira Digital Mixer - HIGH PRESSURE/COMBI VALVE with Gravity Fed Systems.



The shower control **must** be fed from a **cold water storage cistern and a hot water cylinder** providing nominally equal pressures. Pipework layouts and connections **must** be such that other draw-offs will not effect water supplies to the shower, shared supplies may lead to airlocking or water starvation. It is therefore best practice to have independent hot and cold supplies to the Low Pressure (pumped) Digital Mixer Valve.

www.vaporcon

Typical Examples of Poor Plumbing and Practices

DO NOT:

- Install the Digital Mixer Valve where it can become frozen
- Install the Digital Mixer Valve where it can be subjected to ambient temperatures in excess of 40ºC
- Position the Digital Mixer Valve where maintenance access is poor or unsafe
- Install into a system where the cold water cistern holds less than 230 litres
- Install into a system where air locking could occur
- Install the Digital Mixer Valve onto shared water supplies
- Install the Digital Mixer Valve less than 100 mm from the lowest level of water in the cistern (low pressure version only)
- Fit plastic pipework unless rigidly supported
- Install a High Pressure/Combi Valve to a Pumped Gravity System

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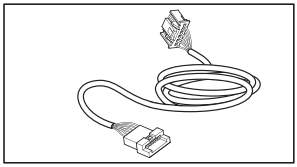
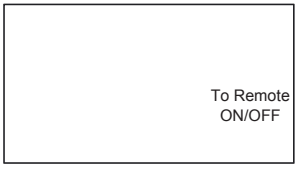
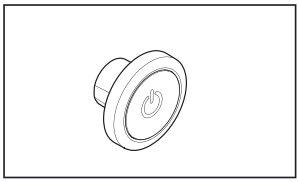


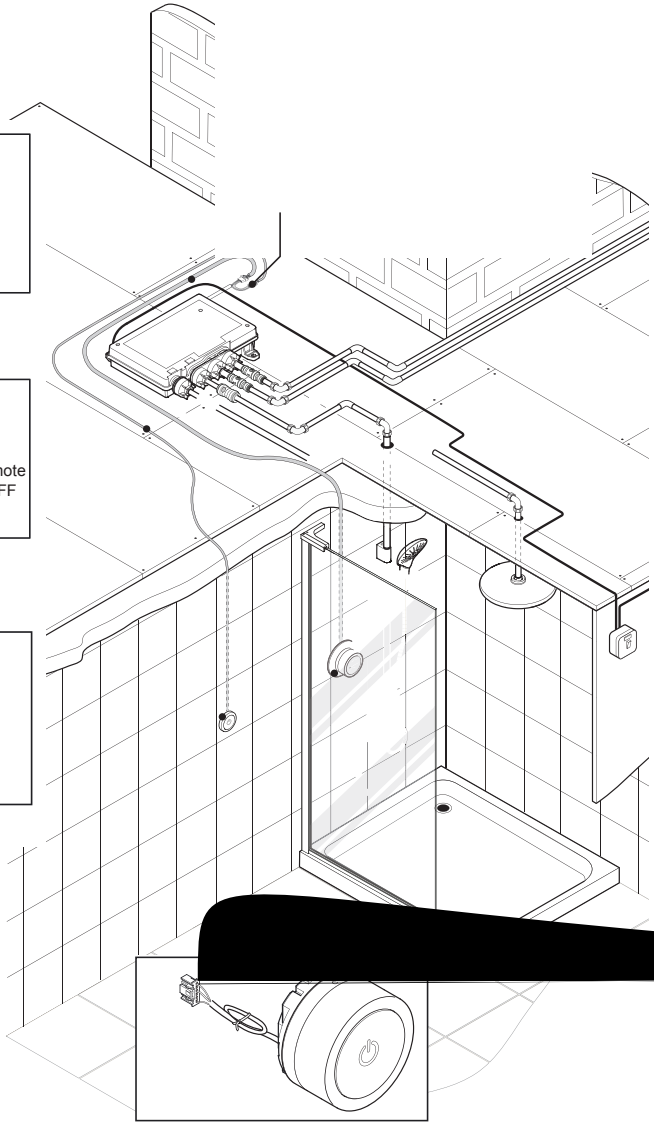
User Interface Cable



Remote On/Off Cable

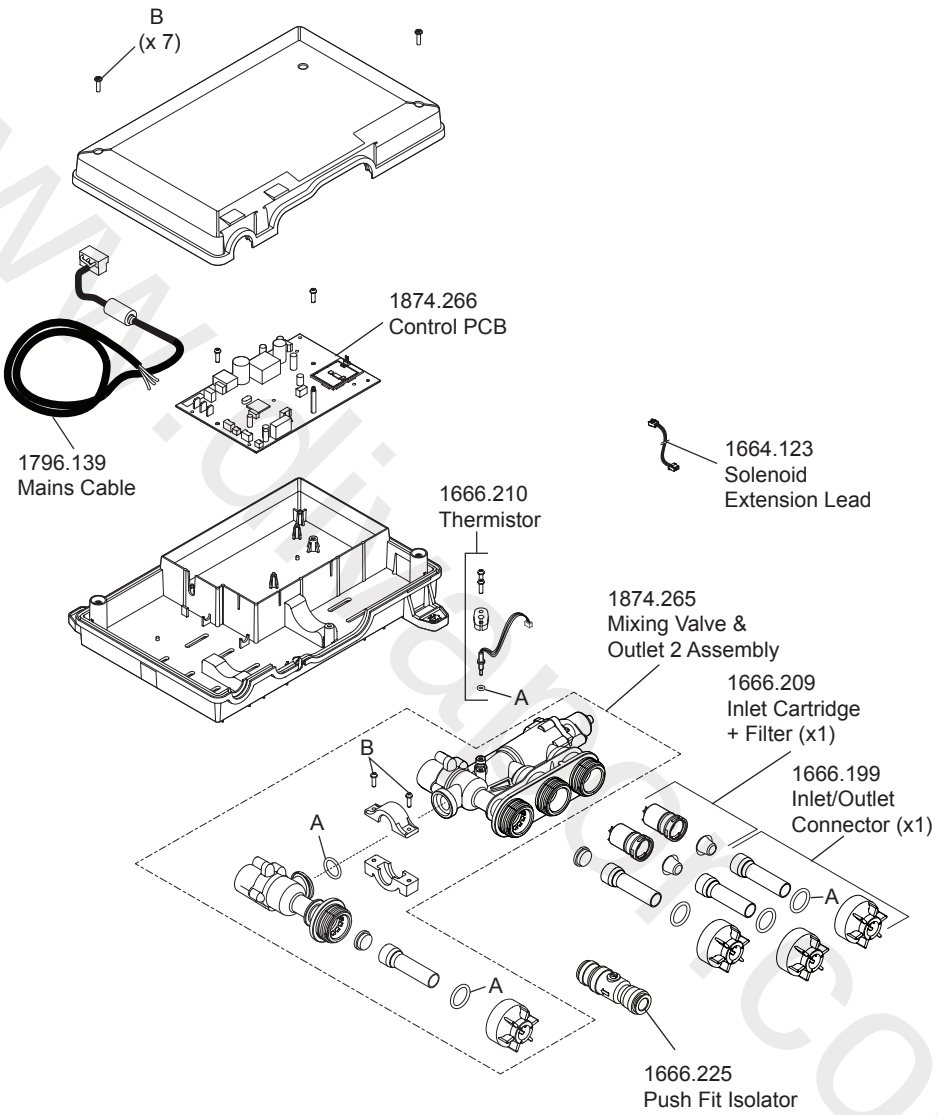


Remote On/Off Button



User Interface

Mira Mode Dual High Pressure



1666.212 Seal Pack - Components Identified 'A'
1666.213 Screw Pack - Components Identified 'B'
1874.277 User Interface Cable
1874.278 Remote On/Off Cable
1874.279 Coupler Cable
1874.280 Coupler Cable (Bathfill)

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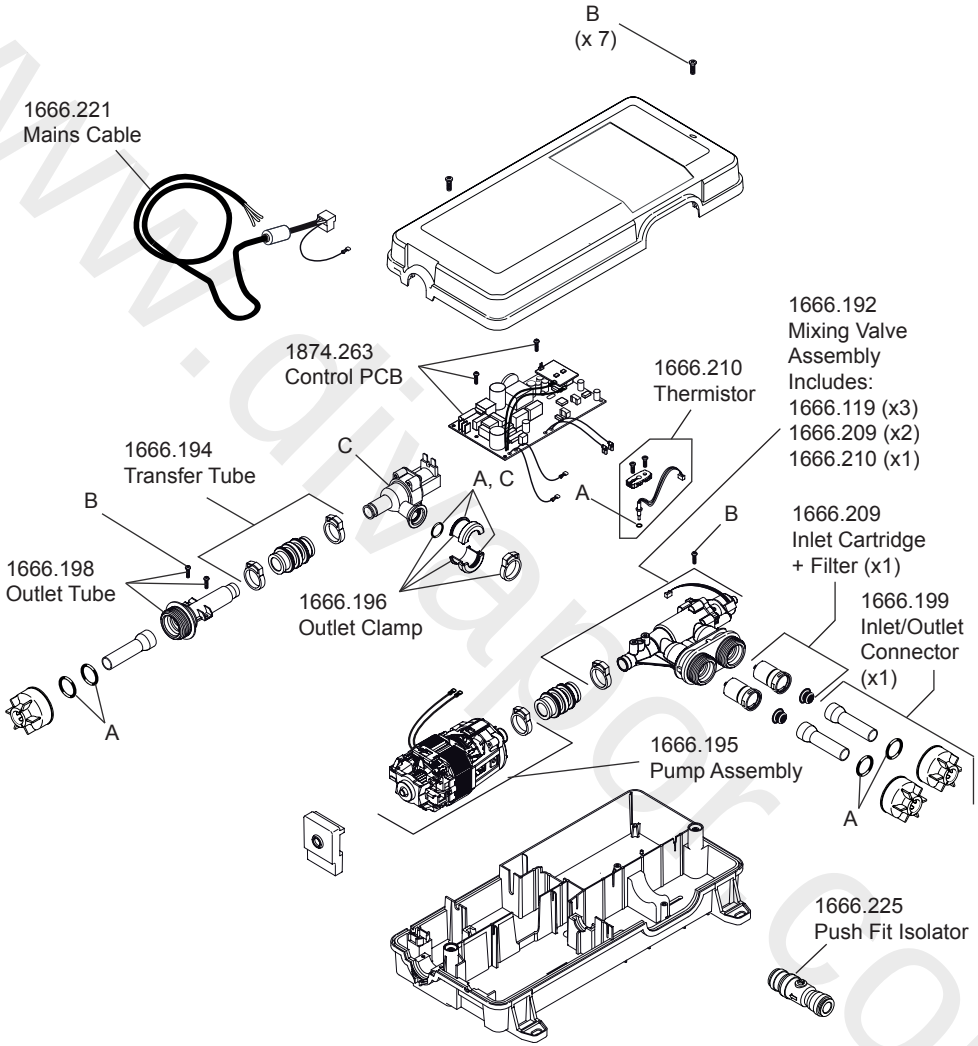
Mira Mode Single Pumped



1666.212 Seal Pack - Components Identified 'A'
1666.213 Screw Pack - Components Identified 'B'
1666.197 Solenoid - Components Identified 'C'
1874.277 User Interface Cable
1874.278 Remote On/Off Cable
1874.279 Coupler Cable
1874.280 Coupler Cable (Bathfill)

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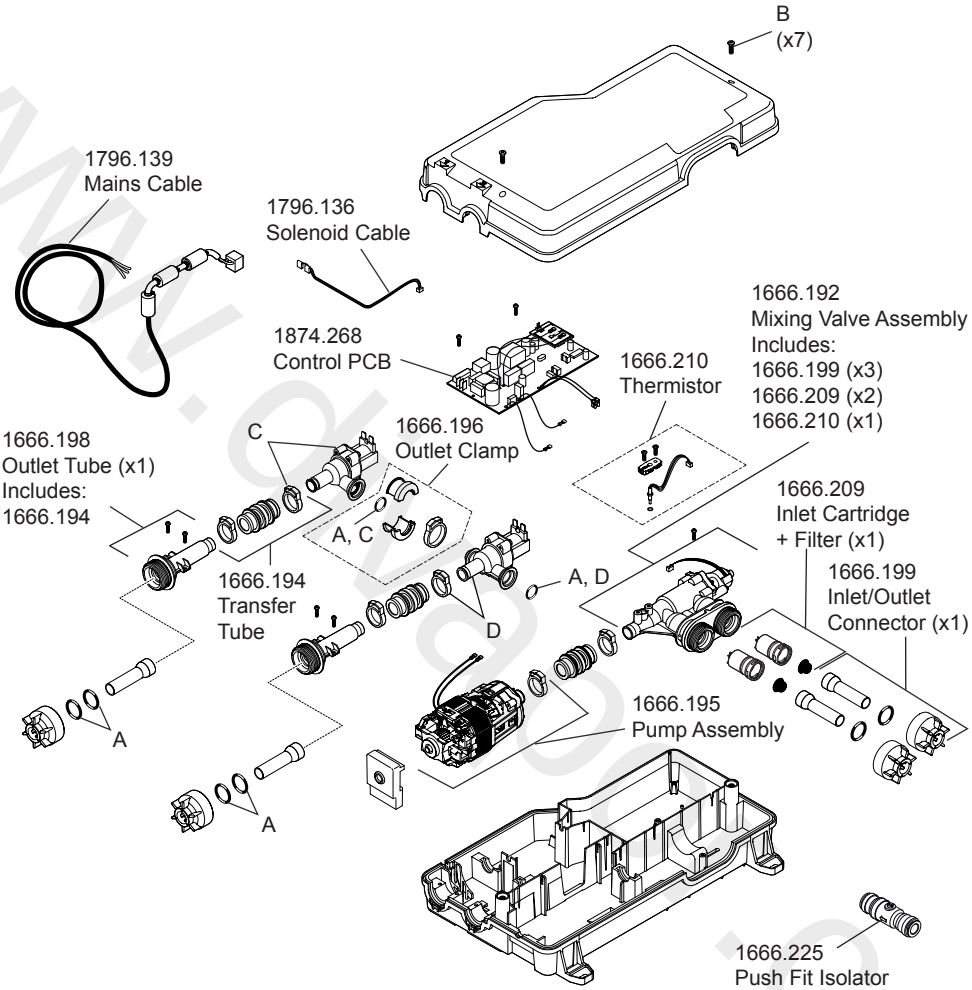
Mira Mode Dual Pumped



1666.212 Seal Pack - Components Identified 'A'
1666.213 Screw Pack - Components Identified 'B'
1666.197 Solenoid - Components Identified 'C'
1796.138 2nd Outlet Solenoid - Components Identified 'D'
1874.277 User Interface Cable
1874.278 Remote On/Off Cable
1874.279 Coupler Cable
1874.280 Coupler Cable (Bathfill)

www.diyspa.com

Disposal and Recycling

End of Product Life

When this appliance has reached the end of its serviceable life, it should be disposed of in a safe manner, in accordance with current local authority recycling, or waste disposal policy.

This symbol on the product or its packaging indicates that this product should not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local council office, your household waste disposal service or the shop where you purchased the product.

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Customer Service

Guarantee

Your product has the benefit of our manufacturer's guarantee which starts from date of purchase. This guarantee only applies in the United Kingdom and Republic of Ireland. To activate this guarantee, please return your completed registration card, visit our website or free phone 0800 5978551 within 30 days of purchase (UK only).

Within the guarantee period we will resolve defects in materials or workmanship, free of charge, by repairing or replacing parts or product as we may choose.

This guarantee is in addition to your statutory rights and is subject to the following conditions :

- The guarantee applies solely to the original installation under normal use and to the original purchaser only. The product must be installed and maintained in accordance with the instructions given in this guide.
- Servicing must only be undertaken by us or our appointed representative.
  Note! If a service visit is required the product must be fully installed and connected to services.
- Repair under this guarantee does not extend the original expiry date. The guarantee on any replacement parts or product ends at the original expiry date.
- For shower fittings or consumable items we reserve the right to supply replacement parts only.

The guarantee does not cover:

- Call out charges for non product faults (such as damage or performance issues arising from incorrect installation, improper use, inappropriate cleaning, lack of maintenance, build up of limescale, frost damage, chemical attack, corrosion, system debris or blocked filters) or where no fault has been found with the product.
- Water or electrical supply, waste and isolation issues.
- Compensation for loss of use of the product or consequential or indirect loss of any kind.
- Damage or defects caused if the product is repaired or modified by persons not authorised by us or our appointed representative.
- Routine maintenance or replacement parts to repaired or modified by persons not authorised by comply with the requirements of theTMV2 or repaired or modified by persons not authorised by TMV3 healthcare schemes
- Accidental or wilful damage.
- Products purchased ex-showroom display.

What to do if something goes wrong

If your product does not work correctly refer to this manual for fault diagnosis and check that it is installed and commissioned in accordance with our instructions. If this does not resolve the issue, contact us for help and advice.

Helpdesk Service
Contact our Customer Services Team for product advice, to purchase spare parts or accessories or to set up service visit. You can contact us via phone or e-mail - contact details below.
Please provide your model name, power rating (if applicable) and date of purchase.

Mira Showers Website (www.mirashowers.co.uk)
Visit our website to register your guarantee, download user guides, diagnose faults, purchase our full range of accessories and popular spares, or request a service visit.

Spares and Accessories
We hold the largest stocks of genuine Mira spares and accessories.Contact us for a price or visit our website to purchase items from our accessory range and popular spares. (Only available in the United Kingdom)

Service/Repairs
No one knows our products better than our nationwide team of Service Technicians. We can carry out service or repair work to your product both during and after the guarantee period. (Only available in the United Kingdom and Republic of Ireland) Ask about our fixed price service repairs.

To Contact Us: UK

0844 571 5000
Calls cost 7p per minute plus your phone company's access charge

Fax: 01242 282595

Email – Visit
www.mirashowers.co.uk/contactus

By Post: **Mira Customer Services Dept, Cromwell Road, Cheltenham, Gloucestershire GL52 5EP**

To Contact Us: Eire Only

01 531 9337

E-mail:
CustomerServiceEire@mirashowers.com

Mira is a registered trade mark of Kohler Mira Limited.

The company reserves the right to alter product specifications without notice.

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