

P4842005

# Mira Verve Thermostatic Bar Valve and Bath/Shower Mixer

## Installation and User Guide

### MODEL NUMBERS

1591.001 1591.002

**Important :- Please quote the above model number(s) when ordering spares.**

### IMPORTANT!

**Installer:** This manual is the property of the customer and must be retained with the product for maintenance and operational purposes.

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## DESCRIPTION

There are two models available:

The Mira Verve Thermostatic Bar Valve is designed for wall mount installations. The mixer has two knobs, one knob controls the flow and the other knob controls the temperature.

The Mira Verve Thermostatic Bath Shower Mixer is designed for wall mount installations. Deck mount connectors are available as an optional accessory so that you can mount the Mixer on the bath. The mixer has two knobs, one knob controls the flow and the other knob controls the temperature. A divertor control diverts the water from bath flow to shower flow.

## SAFETY : WARNINGS

Mira products are precision-engineered and should give continued superior and safe performance, provided:

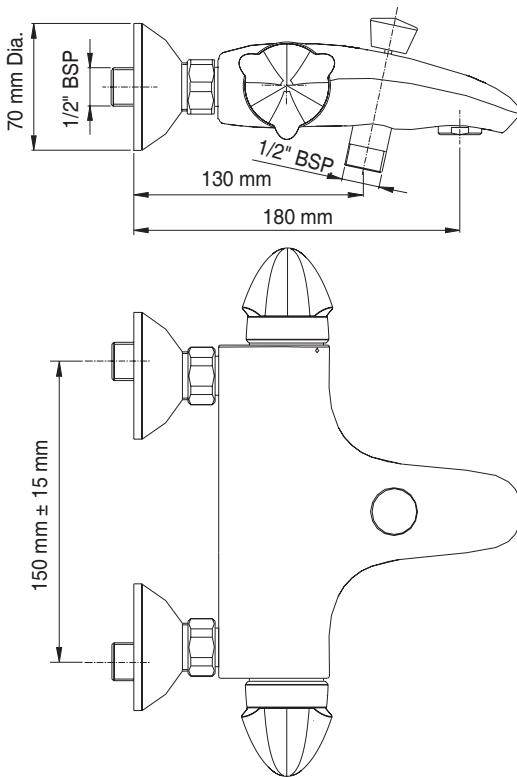
1. They are installed, commissioned, operated and maintained in accordance with the recommendations given in this Manual.
2. Periodic attention is given, as necessary, to maintain the product in good functional order. Recommended guidelines are given in the **MAINTENANCE** section.

Carefully inspect the new fixture for any signs of damage.

When installing Mira Products, manufacturers guidelines for power tool safety should be followed.

# DIMENSIONS

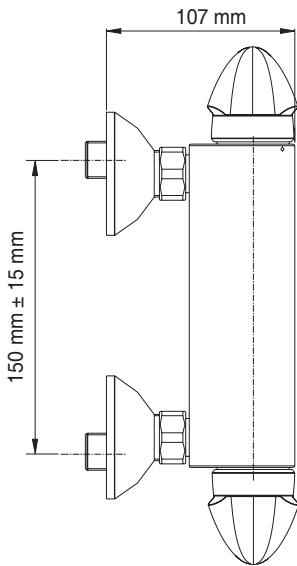
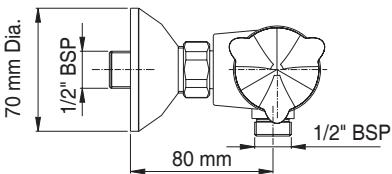
## Mira Verve Thermostatic Bath Shower Mixer



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## Mira Verve Thermostatic Bar Valve



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1054961-W2-B

# SPECIFICATION

## Pressures

The minimum operating pressure is 0.5 bar.

The maximum operating pressure is 5 bar.

For optimum performance, a minimum operating pressure of 3.0 bar is recommended.

## Plumbing Connections

Hot (H) and Cold (C) inlets must be connected to the correct inlet supplies.

# INSTALLATION

## Before You Begin

1. Turn off the water supply.
2. The plumbing installation must comply with Water Supply Regulations/Bye-laws (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 with, or is a member of an association such as:

Institute of Plumbing (IOP), throughout the UK.

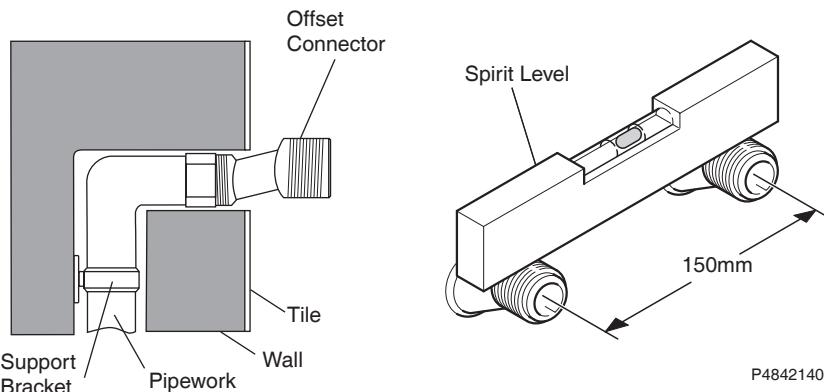
National Association of Plumbing, Heating and Mechanical Services Contractors (NAPH & MSC), England and Wales.

Scottish and Northern Ireland Plumbing Employers' Federation (SNIPEF), Scotland and Northern Ireland.

3. Install the bath before installing the mixer.
4. Before installation carefully inspect the new fixture for any signs of damage.

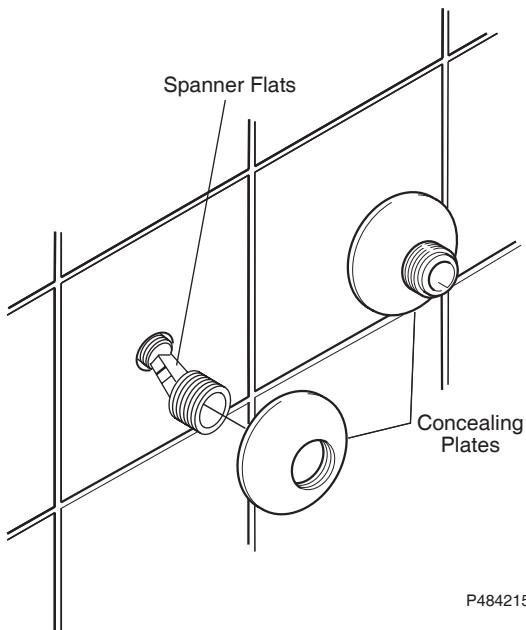
## Solid Wall Installation

For installation onto a stud partition or laminated panel wall, or onto unfixed rear-entry pipework, refer to section: **Stud Partition, Laminated Panel, or Unfixed Rear-entry Pipework Installation.**



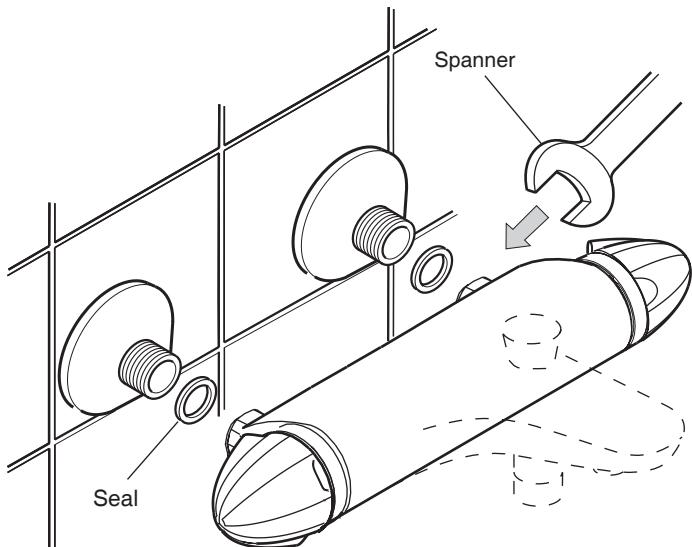
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1. Make sure that the pipework is set at the correct distance apart and solidly fixed as this supports the valve.
2. Apply suitable thread sealant (not supplied) and attach the offset connectors to the pipework in the wall. Make sure that the connectors are level and set at the correct distance apart.



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3. Tighten the offset connectors using a spanner on the spanner flats.
4. Screw the concealing plates onto the offset connectors until they come into contact with the wall. Seal with an appropriate sealant.



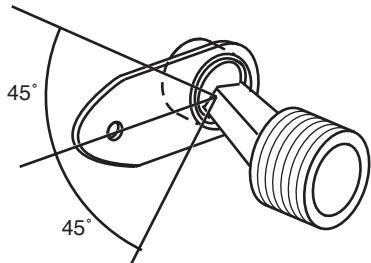
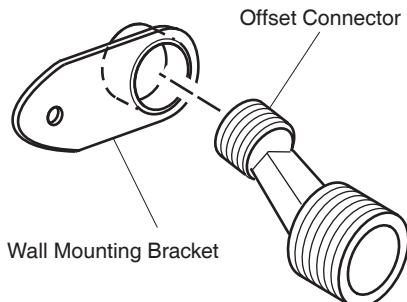
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5. Fit the inlet seals into the mounting nuts on the back of the mixer.

**Caution! Risk of product damage.** Make sure you protect the chrome plated surfaces when you tighten the nuts.

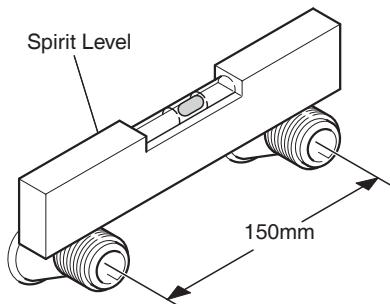
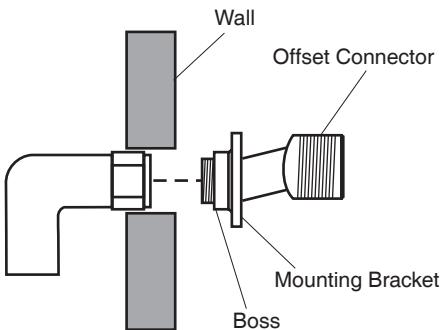
6. Align the mixer and connectors and tighten the nuts using a suitable spanner.
7. Refer to section "Finish the Installation".

## Stud Partition, Laminated Panel, or Unfixed Rear-entry Pipework Installation



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1. Screw the mounting bracket onto the offset connectors.
2. The mounting bracket must extend in the same direction as the offset of the offset connector. The angle between the offset connector and the mounting bracket must be less than 45°. Otherwise, the mounting bracket will not fit under the concealing plate.

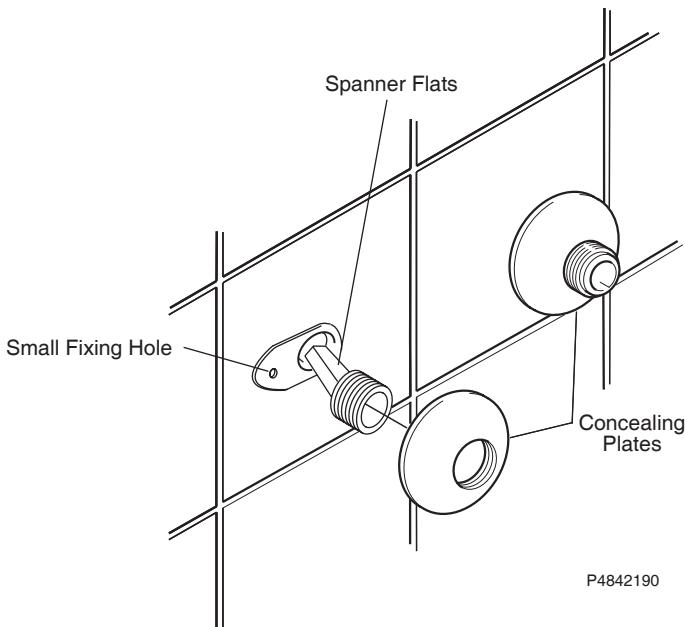


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3. The mounting bracket boss should protrude to the rear, facing the wall.

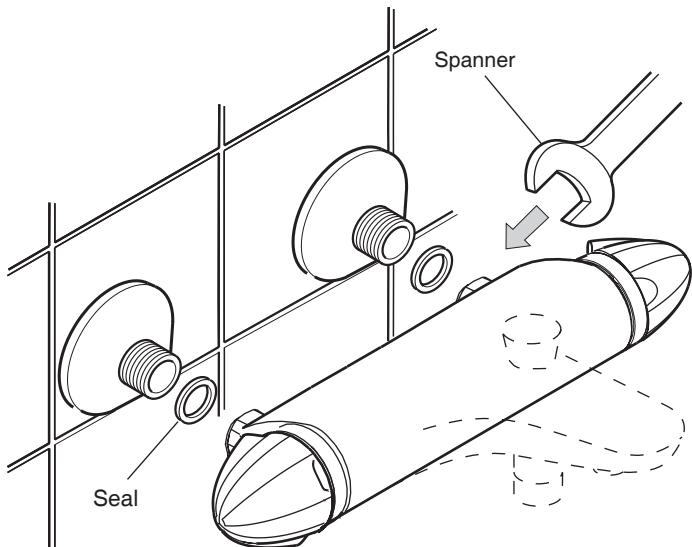
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4. Apply suitable thread sealant (not supplied) and attach the offset connectors to the pipework in the wall. Make sure that the connectors are level and set at the correct distance apart.



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5. Tighten the offset connectors using a spanner on the spanner flats.
6. Fix the mounting bracket to the wall through the small hole, using the appropriate wall fixings for the type of wall (not supplied).
7. Screw the concealing plates onto the offset connectors until they come into contact with the wall. Seal with an appropriate sealant.



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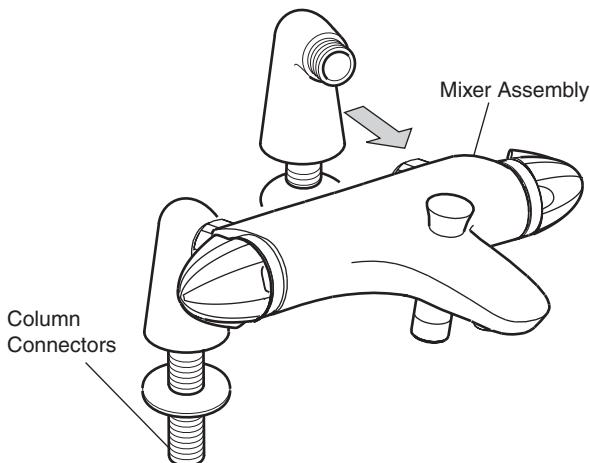
8. Fit the inlet seals into the mounting nuts on the back of the mixer.

**Caution! Risk of product damage.** Make sure you protect the chrome plated surfaces when you tighten the nuts.

9. Align the mixer and connectors and tighten the nuts using a suitable spanner.
10. Refer to section “Finish the Installation”.

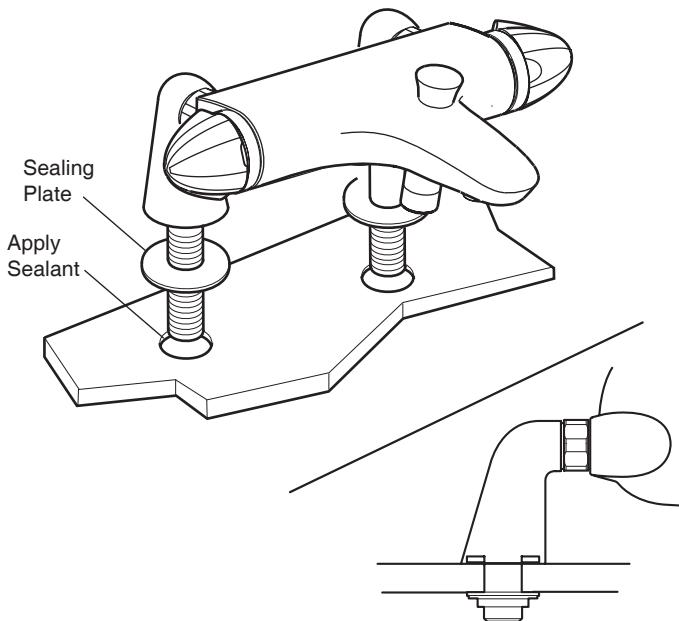
## Install the Deck Mounted Valve (Optional)

**Note!** If you want to fit the Bath and Shower Mixer to the deck of a bath, then you need to purchase a set of deck mount connectors which are available as an optional accessory.



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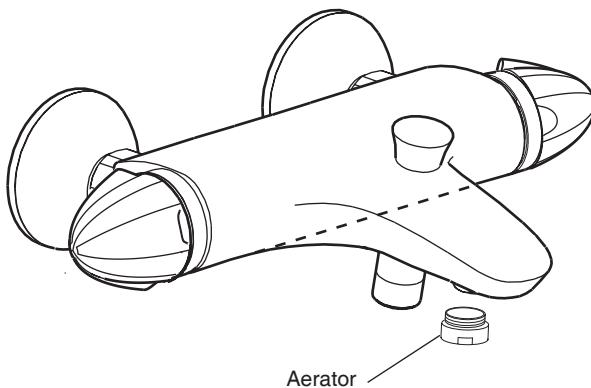
1. Screw the two deck mount connectors to the mixer hand tight.



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2. Place the sealing plates over the threaded section of the deck mount connectors.
3. Apply a ring of sealant in accordance with the manufacturer's instructions underneath the sealing plates.
4. Fit the mixer through the top of the bath.
5. Install the washers and the locknuts. Use a tap spanner to tighten the nut.
6. Remove any excess sealant.
7. Refer to section "Finish the Installation".

## Finish the Installation



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1. Make sure that the mixer is turned off.
2. Remove the Aerator (Bath Shower Mixer only).
3. Turn on the hot and cold water supply and check for leaks from both the mixer and the drain.
4. Re-install the aerator (Bath Shower Mixer only).
5. Install the shower hose to the outlet.

## **Setting the Maximum Temperature**

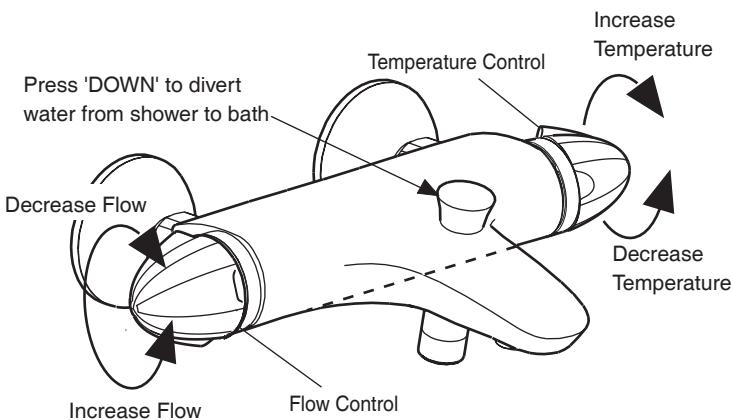
The Mira Verve Thermostatic Bar Valve and Thermostatic Bath Shower Mixer have been preset to approximately 50°C at the factory, which is appropriate for most systems. However, it is possible that the temperature of the water flowing through the shower or bath outlet is not exactly at this setting. In this case, you may choose to adjust the setting.

1. Turn on the shower or bath.
2. Turn the temperature knob to full hot and test the temperature of the water from the shower or bath outlet. If the water is not at the required temperature, proceed with the following procedure.
3. Turn off the mixer.

**Note!** Force will be required to pull the temperature control knob from the Mixer.

4. Carefully remove the temperature control knob.
5. Unscrew the hub retaining screw.
6. Remove the temperature hub and replace it one spline clockwise to increase the temperature.
7. Tighten the hub retaining screw.
8. Install the temperature knob. Make sure the stop feature inside the knob is towards the top.
9. Turn on the mixer and check the maximum temperature setting. If further adjustment is required repeat the above procedure.

## User Operation



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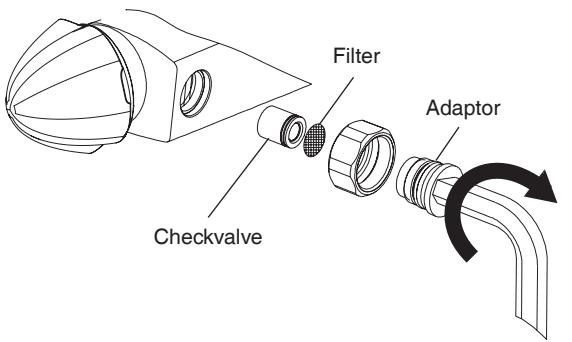
# USER MAINTENANCE

## Cleaning

**Caution! Risk of product damage.** Many cleaners contain abrasive and chemical substances, and should not be used for cleaning stainless steel, enamel, plated or plastic fittings. These finishes should be cleaned using a mild washing up detergent or soap solution, rinsed and then wiped dry with a soft clean cloth.

Regularly dismantle and clean the aerators to keep water flow regular.

## Cleaning the Non-return Valve Assemblies



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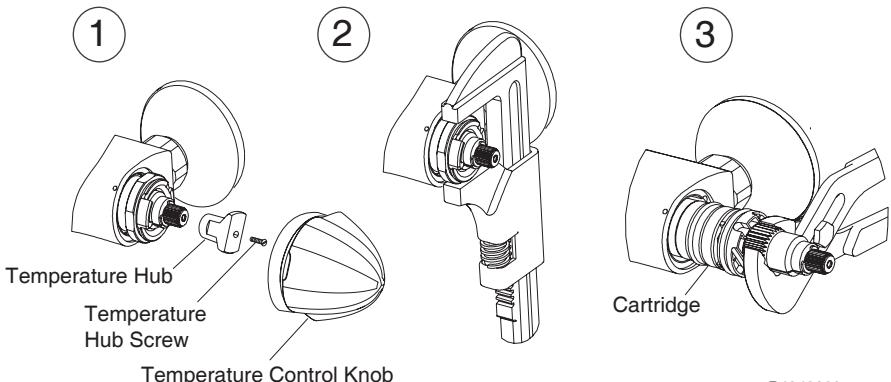
1. Turn off the water supply.
2. Open the flow side of the valve to relieve any hot or cold pressure.

**Caution! Risk of product damage.** Make sure you protect the chrome plated surfaces when you untighten the nuts.

3. Use a suitable spanner to remove the valve from the wall.
4. Using a 12 mm hexagonal wrench rotate the adaptor clockwise to remove.
5. Remove the filter and the non-return valve.

- Clean the filter and non-return valve by washing them under clean water or if damaged, replace them.
- Reassemble the parts in reverse order.

## Thermostatic Cartridge Removal



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- Turn off the water supply.
- Open the flow side of the valve to relieve any hot or cold pressure.

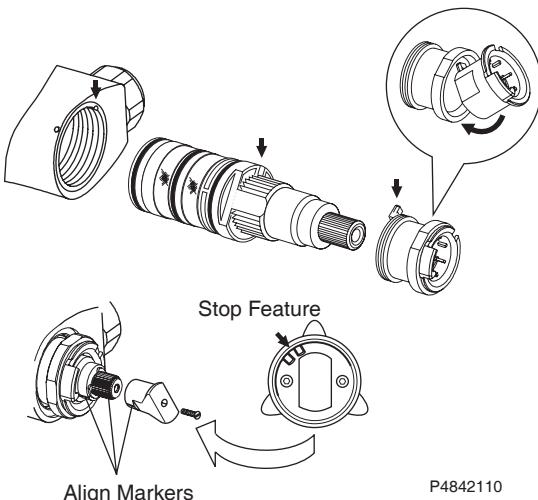
**Note!** Force will be required to pull the temperature control knob from the Mixer.

- Carefully remove the temperature control knob.
- Unscrew the hub retaining screw and remove the temperature hub.
- Use a suitable wrench or spanner to unscrew and remove the cartridge securing nut and stop block.

**Caution! Risk of product damage.** Make sure you protect the chrome plated surfaces when you remove the temperature cartridge.

- Use a pair of grips to remove the temperature cartridge.

## Thermostatic Cartridge Installation

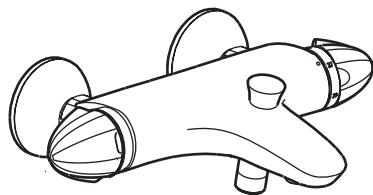


1. Install the stop ring into the nut.
2. Install the stop assembly on the thermostatic cartridge, adjusting the stop ring in the notch.

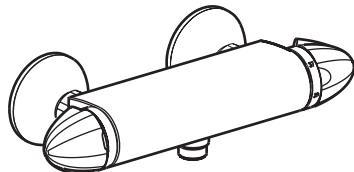
**Note!** Use only silicone based grease.

3. Install the thermostatic cartridge in the body, adjusting the stop pin in the notch.
4. Loosely tighten the nut.
5. Make sure that the thin black line aligns correctly with the slot.
6. Fit the temperature hub. Make sure that the slot on the hub aligns correctly with the thin black line and the slot on the thermostatic cartridge.
7. Install the temperature knob. Make sure the stop feature inside the knob is towards the top.
8. Turn on the water supply and check for leaks.

## SPARE PARTS



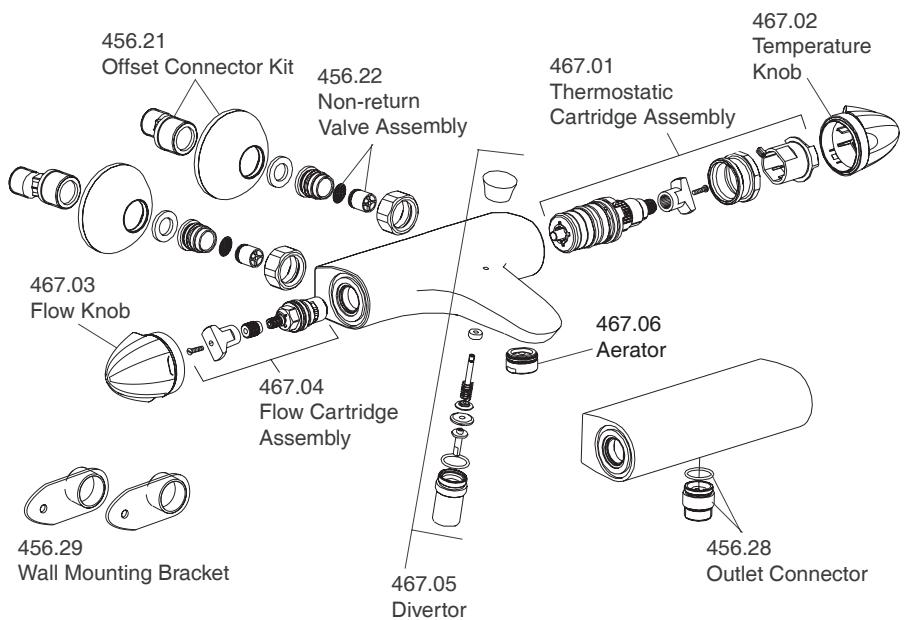
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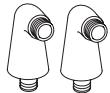
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Optional Accessory



1591.003  
Deck Mount  
Conversion Kit

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# **NOTES**

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# **NOTES**

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# **NOTES**

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# CUSTOMER SERVICE

## Guarantee of Quality

Mira Showers guarantee your product against any defect of materials or workmanship for the period shown in the Guarantee Registration Document included with your shower. Alternatively, to confirm the applicable guarantee period please contact Customer Services.

### To validate the guarantee, please return your completed registration card.

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

To be free of charge, service work must only be undertaken by Mira Showers or our approved agents in Northern Ireland and Republic of Ireland.

### Service under this guarantee does not affect the expiry date. The guarantee on any exchanged parts or product ends when the normal product guarantee period expires. Not covered by this guarantee:

Damage or defects arising from incorrect installation, improper use or lack of maintenance, including build-up of limescale.

Damage or defects if the product is taken apart, repaired or modified by any person not authorised by Mira Showers or our approved agents.

### This guarantee is in addition to your statutory and other legal rights.

## Before using your shower

Please take the time to read and understand the operating and safety instructions detailed in this manual.

## What to do if something goes wrong

If when you first use your shower it doesn't function correctly, first contact your installer to check that installation and commissioning are satisfactory and in accordance with the instructions in this manual. We are on-hand to offer you or your installer any advice you may need.

Should this not resolve the difficulty, simply contact our Customer Services who will give every assistance, and if necessary arrange for our service engineer to visit. If later the performance of your shower declines, consult this manual to see whether simple home maintenance is required.

Please call our Customer Services to talk the difficulty through, request service under guarantee if applicable, or take advantage of our comprehensive After-Sales service.

### As part of our quality and training programme calls may be recorded or monitored.

## After Sales Service

Our Customer Services Team is comprehensively trained to provide every assistance you may need: help and advice, spare parts or a service visit.

## Spare Parts

We maintain an extensive stock of spares, and aim to have functional parts available for ten years from the date of final manufacture of the product.

Spares can be purchased from approved stockists or merchants (locations on request) or direct from Customer Services.

Spares direct will normally be despatched within two working days. Payment can be made by Visa or Mastercard at the time of ordering. Should payment by cheque be preferred a pro-forma invoice will be sent.

**Note!** In the interests of safety, spares requiring exposure to mains voltages can only be sent to competent persons.

## Service

Our Service Force is available to provide a quality service at a reasonable cost. You will have the assurance of a Mira trained engineer/agent, genuine Mira spares – and a 12 month guarantee on the repair.

Payment should be made directly to the Service Engineer/Agent, using Visa, Mastercard or a cheque supported by a banker's card.

## To contact us:

England, Scotland & Wales

### Mira Showers Customer Services

Telephone: 0870 2410888

8.30am to 5pm Working days (4.30pm Fri)

8.30am to 12.30pm Saturday

E-mail: [Mira\\_technical@mirashowers.com](mailto:Mira_technical@mirashowers.com)

Fax: 01242 282595

## By Post:

Cromwell Road, Cheltenham, Gloucester GL52 5EP

For Customers in Northern Ireland

### Wm H Leech & Son Ltd

Telephone: 028 9044 9257 — Mon to Fri 9am-5pm

Fax: 028 9044 9234 — 24 hours

## By Post:

Maryland Industrial Estate, Ballygowan Road, Moneyreagh, Co Down BT23 6BL

For Customers in Republic of Ireland

### Modern Plant Ltd

Telephone: Dublin 01 4591344 — Mon to Fri 9am to 5pm

Fax: Dublin 01 4592329 — 24 hours

By Post: Otter House, Naas Road, Clondalkin, Dublin 22

## Mira Showers

Kohler Mira Ltd

Cromwell Road,

Cheltenham GL52 5EP.

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Kohler Mira Limited.

The company reserves the right  
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without notice.

