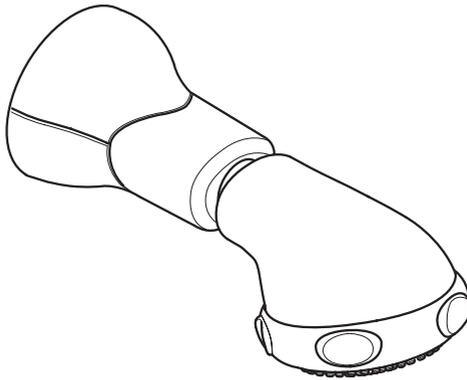


mira

SHOWERS



BIR SHOWER HEAD

1540.280 & 1540.281

Accessory Pack

Installation

THESE INSTRUCTIONS ARE TO BE LEFT WITH THE USER

Introduction

The Mira BIR (built-in rigid) shower fitting is an adjustable spray showerhead with four different spray actions: start, soothe, force and eco. It is only suitable for connections to concealed pipework supplies.

The Mira BIR shower fitting is available in white or chrome.

System Applications

- Built-in mixer showers
- Instantaneous gas heated systems
- Gravity-fed systems
- Mains pressure systems
- Pumped systems

Additional Features

- Adjustable showerhead with four spray patterns
- Visual indicators for spray settings
- Rub-clean rubber nozzles to remove scale build-up.
- Rubberised finger grips for easy adjustment.

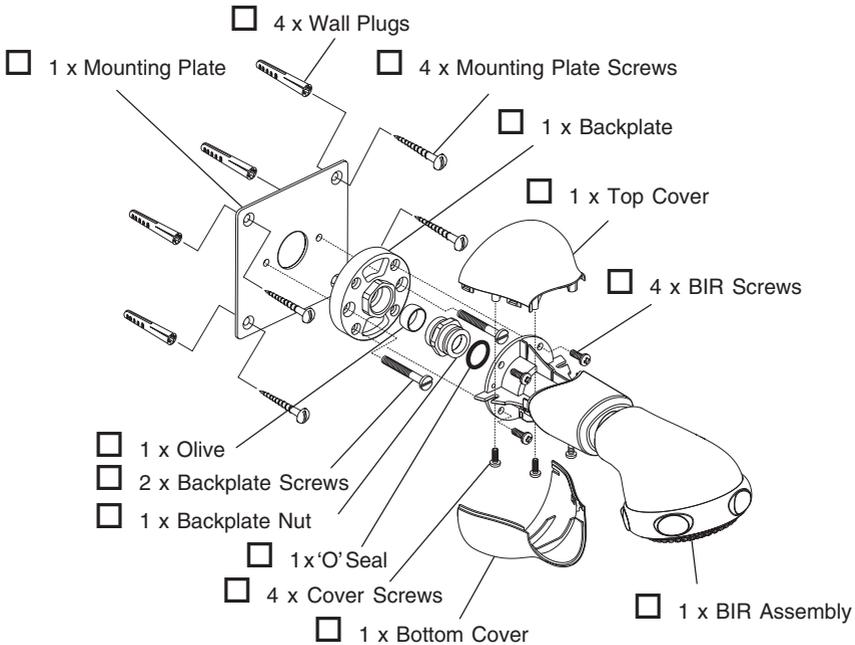
Alternative Nozzles

The showerhead has been fitted with low capacity spray nozzles, which are suitable for a pressure of 0.06–0.5 bar (0.6–5 m head). They are suitable for most shower installations, but for high-pressure installations the spray force may be too powerful for comfortable showering. In high-pressure installations, such as gas water heaters that require a higher flow rate to operate correctly, we recommend that high capacity spray nozzles be fitted.

High capacity spray nozzles are available free of charge by contacting Customer Services.

Pack Contents Checklist

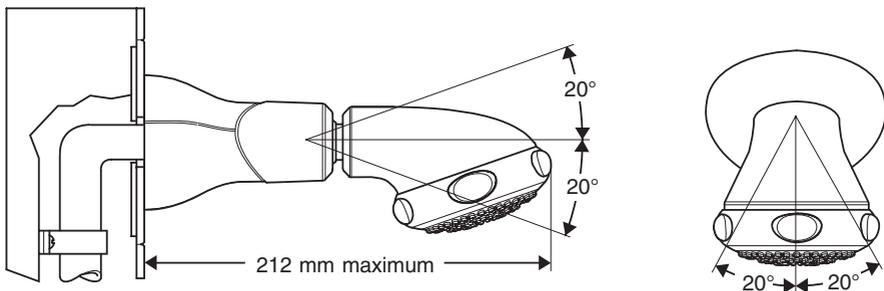
- Tick the appropriate box to familiarise yourself with the part names and to confirm that the parts are included.



Documentation

- 1 x Installation & User Guide

Dimensions



All dimensions are nominal and in millimetres

Installation

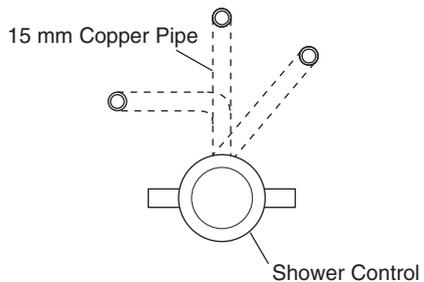
Before Installing

Before installing the showerhead, consider these placement tips:

1. Position the showerhead at a convenient position for all the family.
2. Position the showerhead so that the spray discharges away from the shower control, and down the centre line of the bath or across (rather than into) the shower cubicle opening.

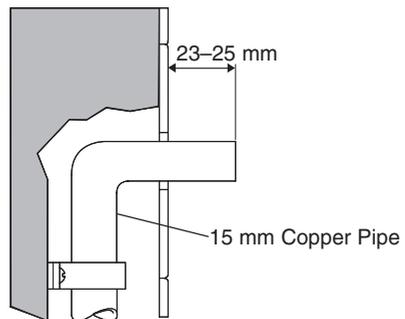
Solid and Dry-lined Wall Installation

1. The 15 mm copper pipework from the outlet of the shower control must be vertical so that it does not interfere with the installation screws.

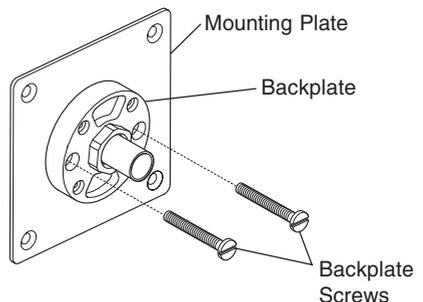


2. The end of the 15 mm copper pipework must protrude through the finished wall surface by 23–25 mm.

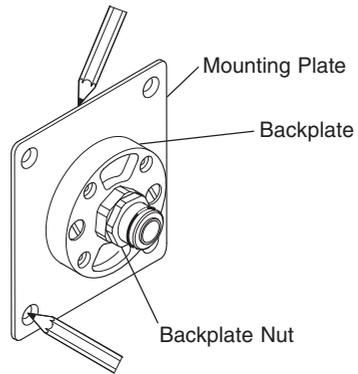
Note! If it is necessary to trim the pipe to length, remove any burrs before proceeding.



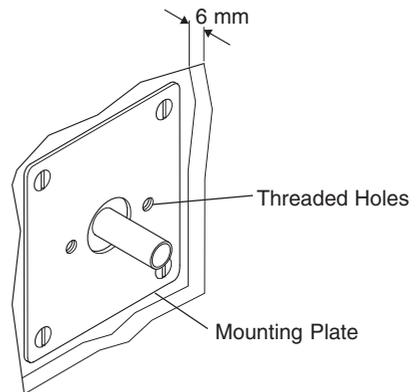
3. Loosely screw the backplate to the mounting plate with the two backplate screws provided.
4. Place the mounting plate/backplate assembly over the copper pipe.



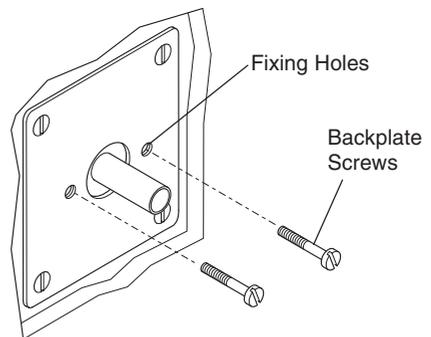
5. Mark the position of the mounting plate and the fixing holes on the wall surface.
6. Remove the mounting plate/backplate assembly from the wall.
7. Separate the backplate and the mounting plate.
8. Drill the four mounting plate holes and fit the wall plugs supplied.



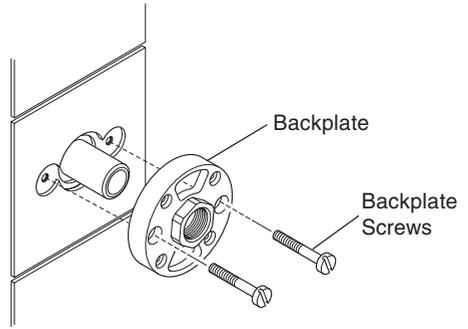
9. Fit the mounting plate to the wall with the four mounting plate screws supplied. The two threaded holes must be horizontal.



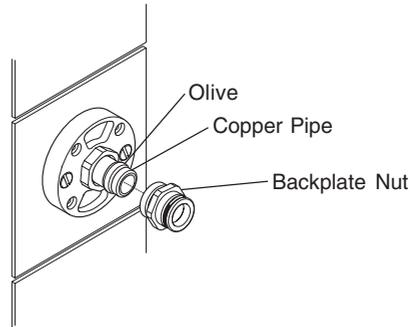
10. Temporarily fit the two backplate screws into the mounting plate. This will prevent the fixing holes from becoming blocked with plaster or grout.
11. Finish the surface of the wall as required.
12. Remove the two backplate screws from the wall.



13. Fix the backplate to the wall using the two backplate screws.



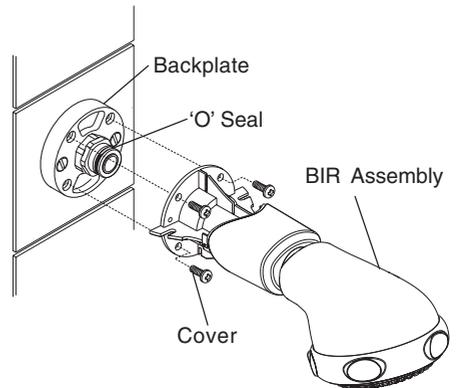
14. Fit the olive over the copper pipe and tighten the backplate nut into position.



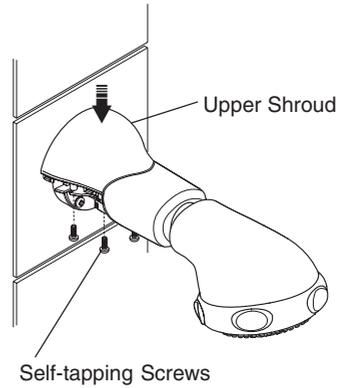
15. Ensure that the 'O' seal is fitted on the backplate nut. Push the BIR assembly over the backplate nut onto the backplate.

16. Fix the BIR assembly to the backplate using the four cover screws provided.

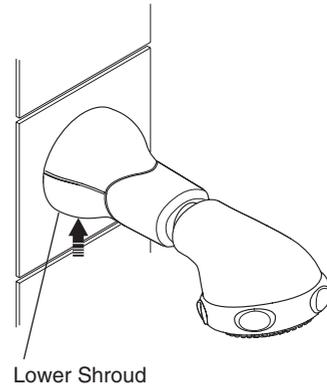
Note! If necessary, a 9 l/min flow regulator can be fitted in the BIR assembly with an adaptor – contact Customer Services.



17. Fix the upper shroud to the BIR assembly using the four self-tapping screws provided.

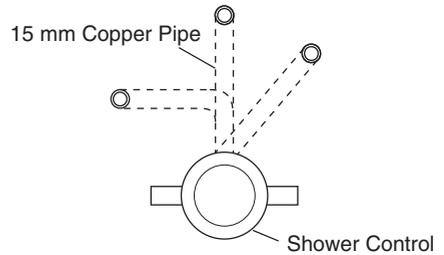


18. Snap the lower shroud into position.
19. If necessary, fit the high capacity nozzle ring, as described in the **High Capacity Nozzle Ring Installation** section.

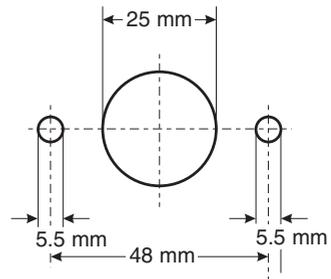


Shower Cubicle, Laminated Panel, or Stud Partition Wall Installation

1. The 15 mm copper pipework from the outlet of the shower control must be vertical so that it does not interfere with the installation screws.

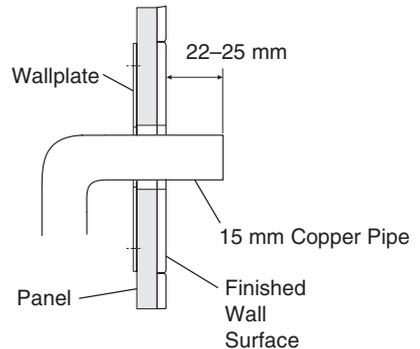


2. Cut a 25 mm hole in the panel.
3. Cut two 5.5 mm holes at 48 mm centres in the panel.

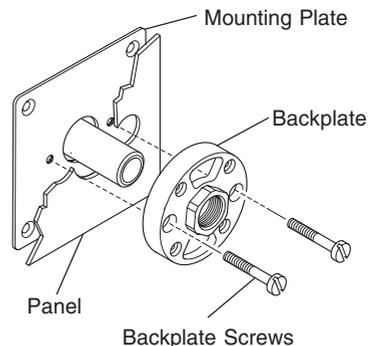


4. Place the mounting plate behind the panel, and feed the copper pipe through the mounting plate and the panel. Ensure that the pipe protrudes **22–25 mm** from the wall.

Note! If it is necessary to trim the pipe to length, remove any burrs before proceeding.



5. Holding the mounting plate in position behind the panel, fix the backplate to the mounting plate, through the panel, with the two backplate screws.
6. Complete the installation following steps 14 to 19 of the **Solid and Dry-lined Wall Installation** section.

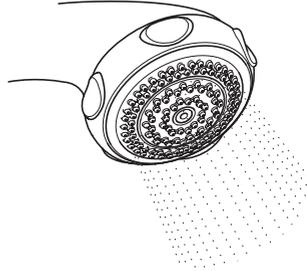


Operation

Spray Settings

The showerhead has four spray settings: Eco, Start, Soothe, and Force.

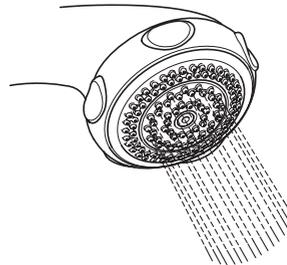
1. **Eco:** Water flows from the outer set of holes at a reduced flow rate.
To select the Eco setting, turn the spray plate fully clockwise.



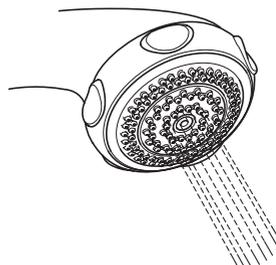
2. **Start:** Water flows from the outer set of holes.
To select the Start setting, turn the spray plate anticlockwise from the full clockwise position until it clicks once.



3. **Soothe:** Water flows from the middle set of holes.
To select the Soothe setting, turn the spray plate anticlockwise from the full clockwise position until it clicks twice.

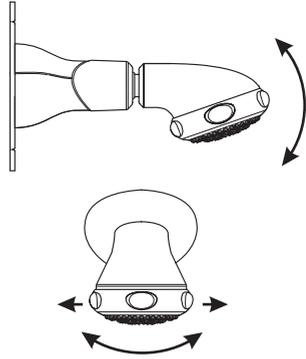


4. **Force:** Water flows from the inner set of holes.
To select the Force setting, turn the spray plate anticlockwise from the full clockwise position until it clicks three times.



Showerhead Adjustment

Move the spray head to the required position. The spray head is adjustable in both the horizontal and vertical directions.



Maintenance

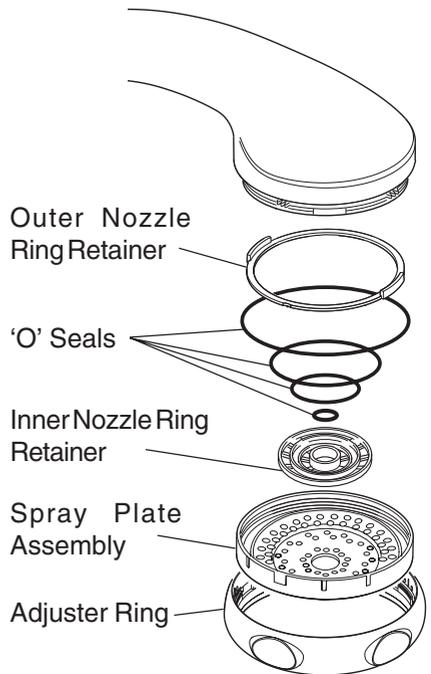
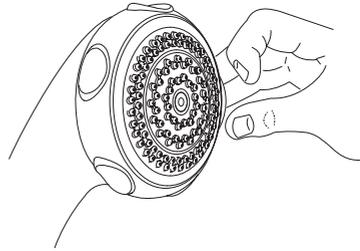
Daily Cleaning

Many household cleaners contain abrasives and chemical substances, and should not be used for cleaning plated or plastic fittings. These finishes should be cleaned with a mild washing up detergent or soap solution, and then wiped dry using a soft cloth.

To avoid limescale, use your thumb or a soft cloth to wipe any limescale from the soft rubber nozzles and the front face of the showerhead.

Full Cleaning

1. Turn the adjuster ring fully anticlockwise.
2. Unclip and remove the adjuster ring.
3. Unscrew the spray plate assembly in an anticlockwise direction. The 'O' seals will provide some resistance.
4. Remove the inner and outer nozzle retaining rings.
5. Clean all of the components with a stiff brush.
6. If necessary, use a plastic kettle descaler to remove stubborn limescale, following the manufacturer's instructions.
7. If the 'O' seals are damaged, replace them with new 'O' seals. (Spare part number 450.08, available from Customer Services. See the back page for more information).
8. Refit the components in reverse order. Ensure that the 'O' seals and the inner and outer nozzle ring retainers are fitted correctly.



Customer Service

Guarantee (Accessories)

Mira Showers guarantees this product against any defect of materials or workmanship for one year from the date of purchase.

Within the guarantee period we will resolve defects, free of charge, by repair or replacement as we may choose.

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.

Proof of Purchase will be required to support any guarantee claims.

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

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

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

Spare Parts

We maintain an extensive stock of spares, which 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.

To contact us

England, Scotland & Wales

Mira Showers Customer Services

Telephone: 0870 241 0888

8:30 am to 5:00 pm Working days (4:30 pm Friday)

8:30 am to 12.30 pm Saturday

E-mail: technical@mirashowers.com

Fax: 01242 282595

By Post: Cromwell Road

Cheltenham

Gloucester

GL52 5EP

Northern Ireland

Wm H Leech & Son Ltd

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

Fax: 028 9044 9234 – 24 hours

Post: Maryland Industrial Estate

Ballygowan Road

Moneyreagh, Co Down

BT23 6BL

Republic of Ireland

Modern Plant Ltd

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

Fax: Dublin 01 4592329 – 24 hours

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Naas Road

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