

mira



SHOWERS



723

MIXER SHOWER

GUIDE

Operation &

Maintenance

Operation

1. Turn flow control knob until the desired force of water is obtained.
2. Turn the temperature knob in the direction of the red mark (No. 9) for warmer water and in the direction of the blue mark (No. 0) for cooler water, until the desired temperature of water is obtained.

If difficulties are experienced please contact our service office.

Sovereign golden finish

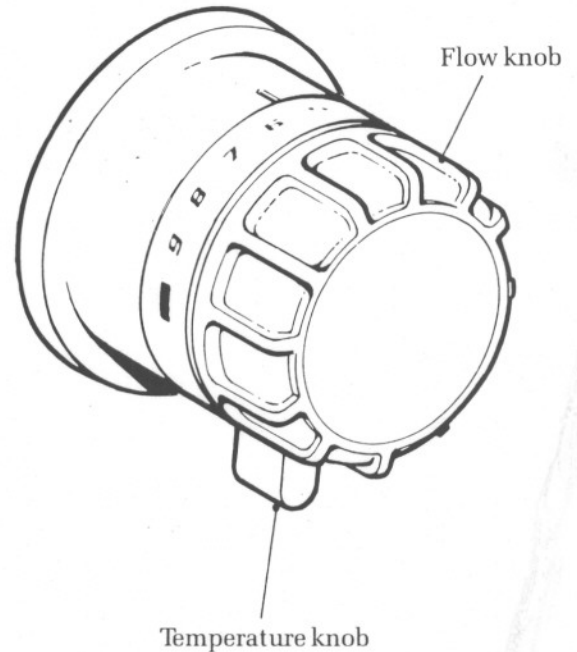
Sovereign golden finish is softer than chrome and its abrasive resistance much less, when cleaning or using tools during maintenance extra care must be taken.

Cleaning

Sovereign golden finish should be cleaned with a soft cloth and if necessary, a mild washing up detergent or soap solution and then rinsed and rubbed dry.

Warning

Many household cleaners contain mild abrasives or chemicals and should never be used for cleaning chrome plated, sovereign finish or plastic fittings.



Maintenance

If a new Mira 723 mixer shower fails to operate satisfactorily it is usually the result of incorrect installation and the installer should be consulted. Refer to Installation notes on page 13.

If the mixer has operated for a time and no longer performs acceptably or if it is leaking the mixer may need servicing.

The dismantling procedure which follows will assist you with maintenance. Our experience has shown that, due to the simplicity of design, the average user is capable of renewing 'O' seals and cleaning or replacing internal parts when necessary.

You may if you wish, choose to

1

Isolate water supplies to shower.

Open flow control to release pressure in system.

Dismantling

2

Using a screwdriver, gently lever off the concealing cap.

engage the services of a suitable qualified person locally.

You will need

A screwdriver

A spanner or wrench

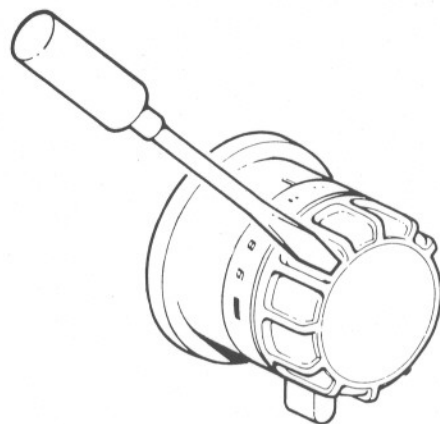
Kettle descaler

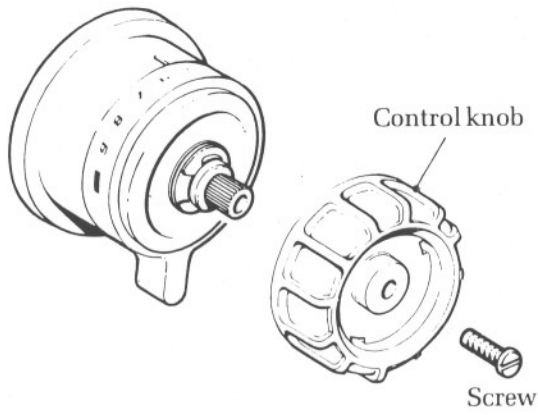
Service pack (if valve is leaking)

Silicone lubricant

The service pack (part No 936 59) contains all seals and silicone grease necessary to service the valve. To check the complete contents of the pack see illustration on page 12.

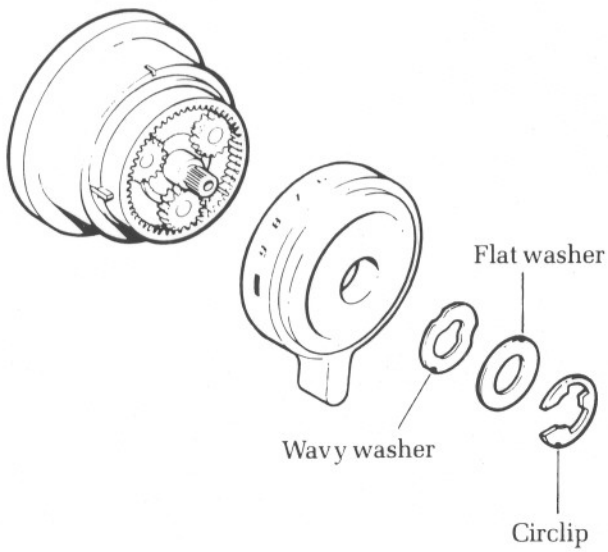
Spare parts are available from Caradon Mira, when ordering please quote model of mixer shower, part number and description of items required.





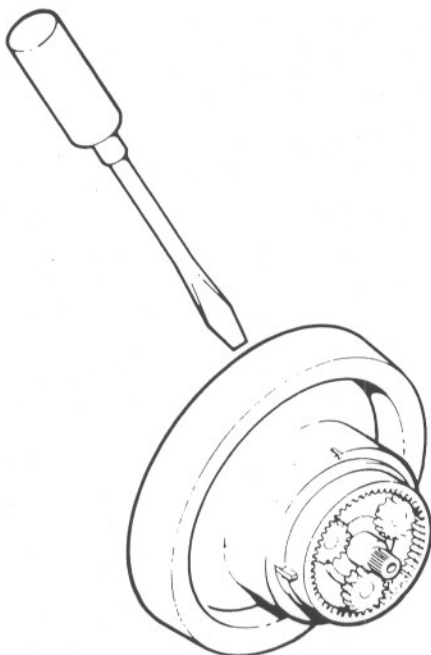
3

Remove flow control knob screw, pull off flow knob.



4

Gently prise off circlip, remove flat washer and wavy washer, pull off temperature knob.

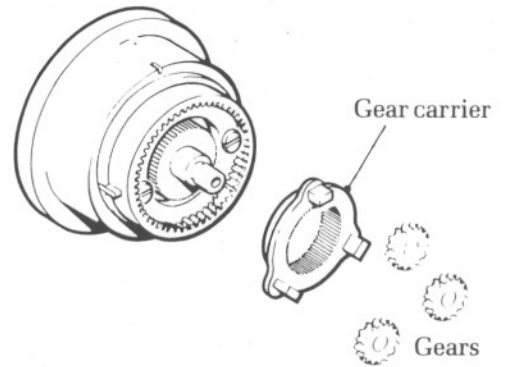


5

Recessed models only – gently lever off concealing plate.

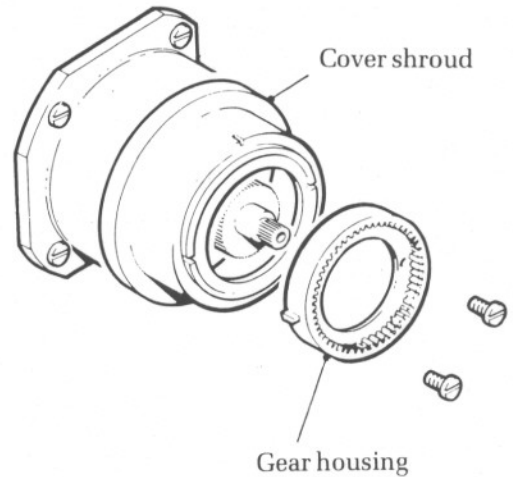
6

Remove 3 gears and gear carrier.



7

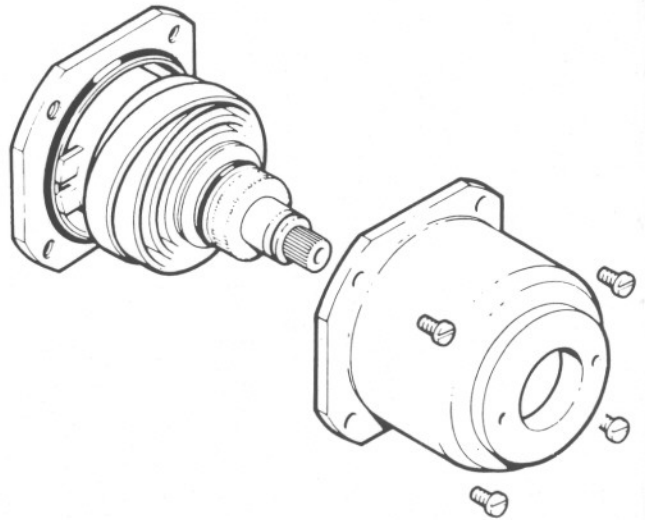
Undo 2 screws and pull off the gear housing, remove the cover shroud.



8

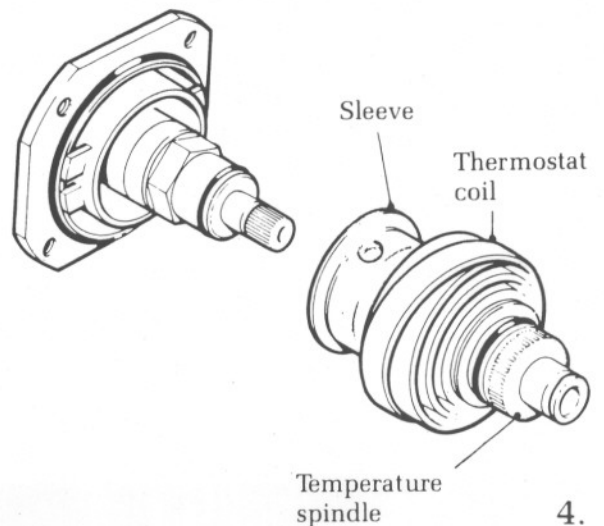
Undo 4 cover screws and remove cover.

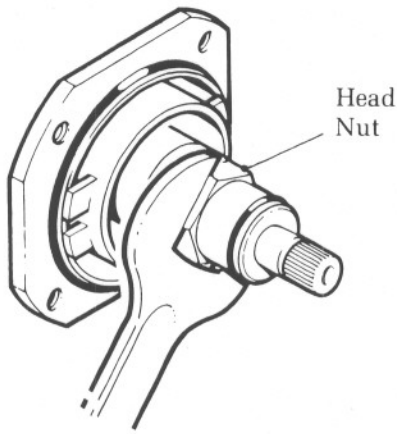
Note! Recessed models
When cover is removed some water will run from body. Channel water away or soak it up with absorbent material.



9

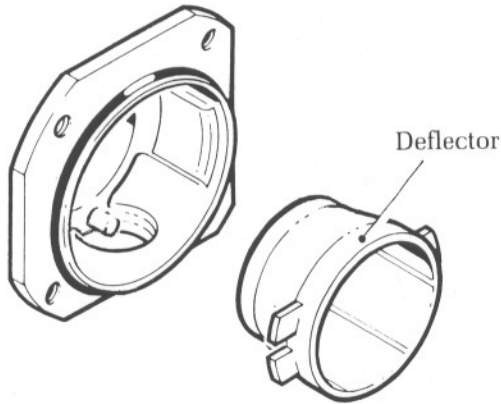
Pull the temperature spindle, this action will remove the temperature spindle, the thermostat coil and the port sleeve as a complete assembly.
Note! In hard water areas scale build up may cause more resistance when removing this assembly.





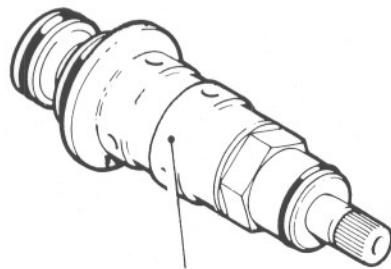
10

Use a spanner to loosen the headnut on the port assembly.



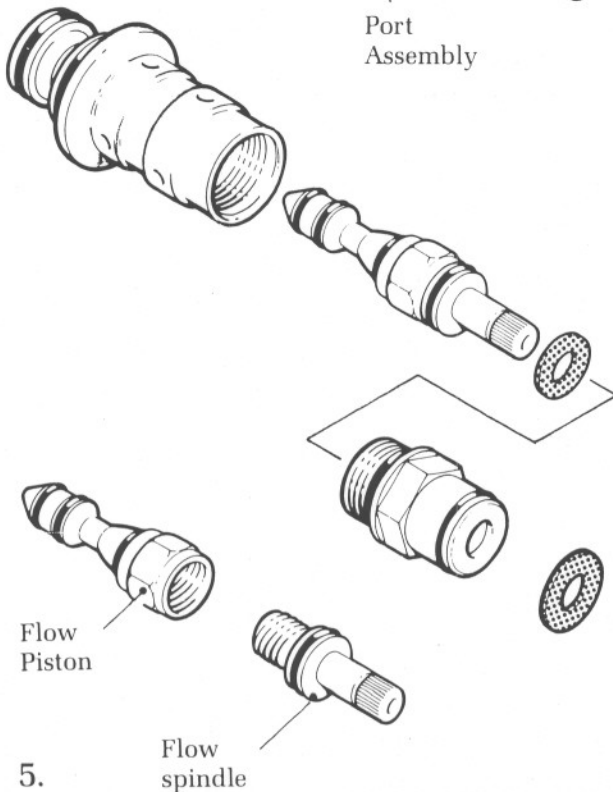
11

Pull the port assembly from the valve body (it may be easier to loosely fit the flow knob and screw, to provide extra leverage). Remove deflector from valve body.



12

Unscrew the headnut and dismantle the port assembly into it's individual components.



Flow Piston

Flow spindle

5.

Cleaning

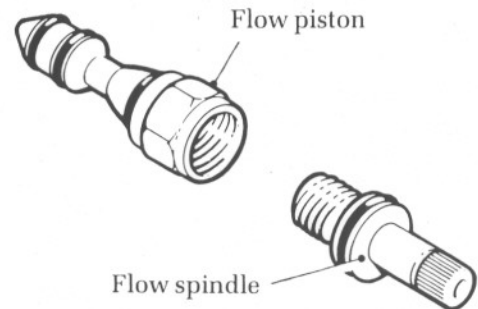
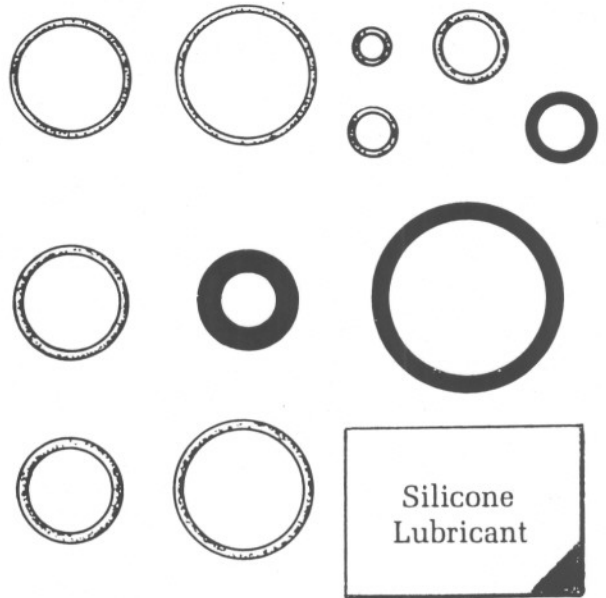
Clean all metal components in a proprietary inhibited scale solvent, ie Kettle descaler. Follow manufacturers instructions. Do not use abrasives or acid solutions.

Note!! Do not allow the solvent to come into contact with bathroom fittings and surfaces.

If necessary replace the seals, the instruction leaflet in the service pack identifies individual seals (Service pack 936 59).

13

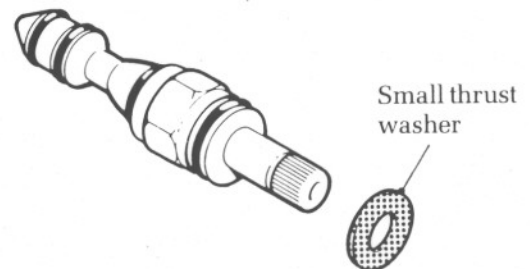
To assist re-assembly, lightly smear all 'O' seals and piston/spindle threads with a silicone based lubricant (supplied with service pack).



Re-assembly

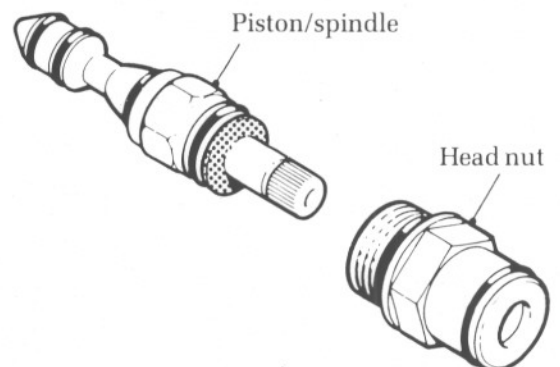
14

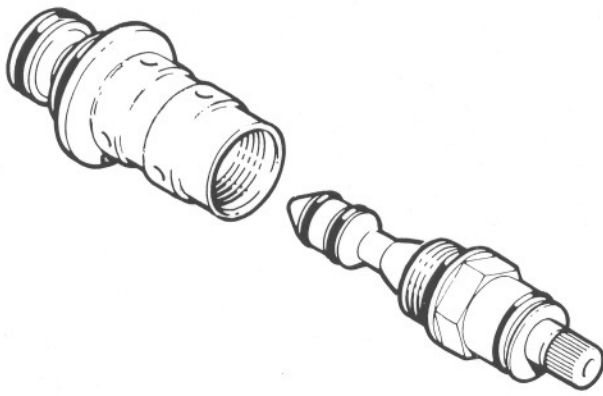
Screw the flow spindle fully into the flow piston. Fit the small thrust washer onto the spindle.



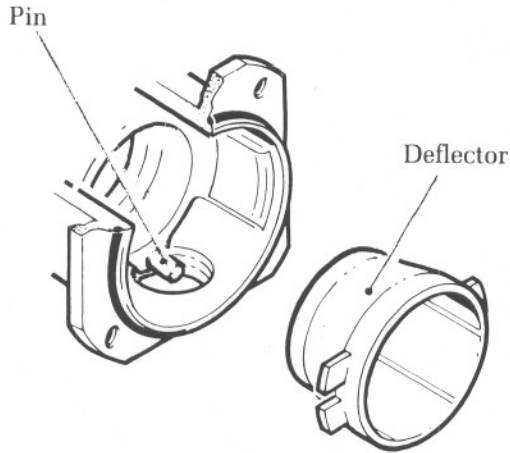
15

Push the piston/spindle assembly into the headnut. Engage the hexagon fully.

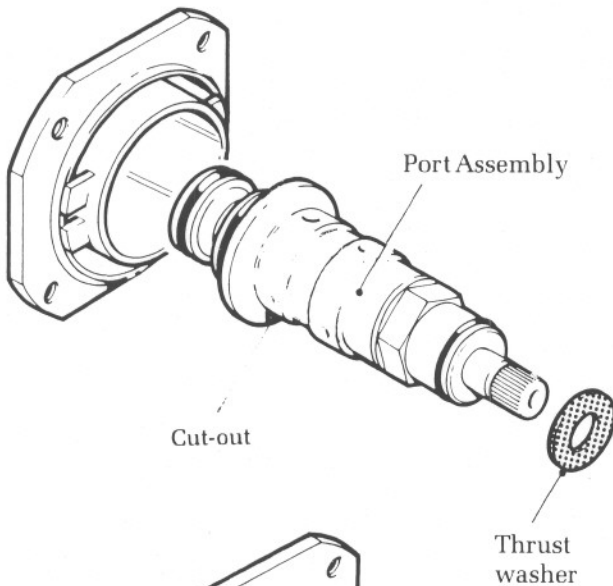


**16**

Screw the headnut loosely into the port assembly.

**17**

Fit the deflector into the valve body. Locate its cut-out over the pin.

**18**

Push the port assembly fully into the body. Locate cut-out over the pin.

19

Fit the larger thrust washer over the port assembly spindle.

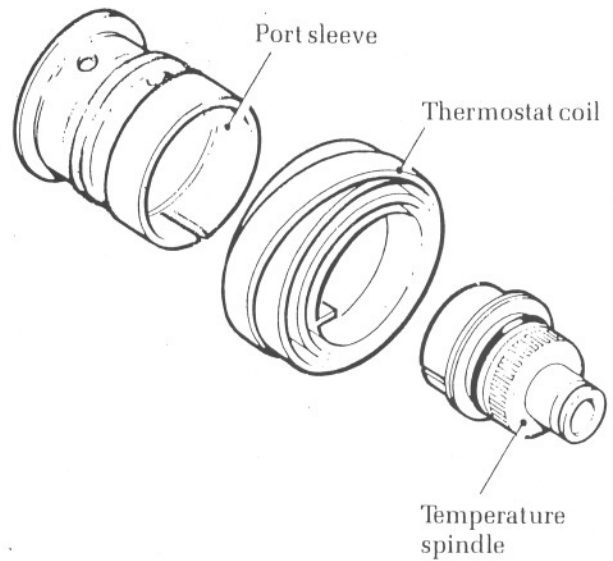
20

Use a spanner to tighten the headnut. Do not overtighten! as this may damage the locating pin.

21

Fit the temperature spindle into one end of the thermostat coil. Locate the coil tab into the slot in the spindle.

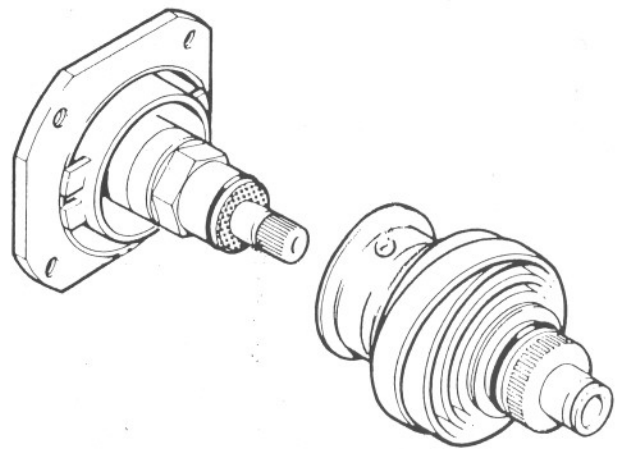
Fit the port sleeve into the other end of the thermostat coil. Locate the coil tab into the slot in the sleeve.



22

Push the sleeve/coil/spindle assembly over the port assembly. Ensure that the large cut-out on the end of the sleeve is located over the body pin.

Turn the temperature spindle to check that the pin is limiting the free rotation of the sleeve.

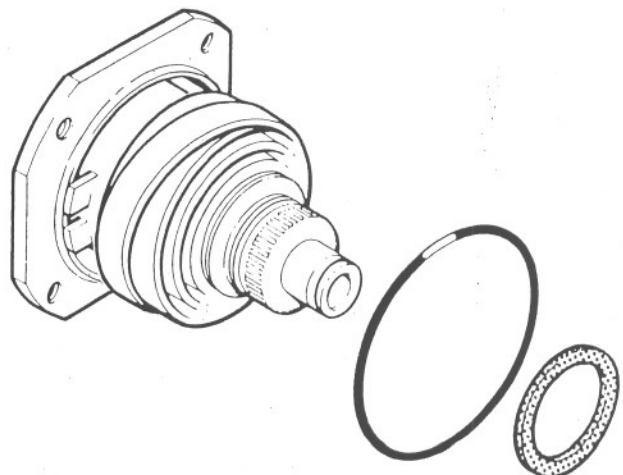


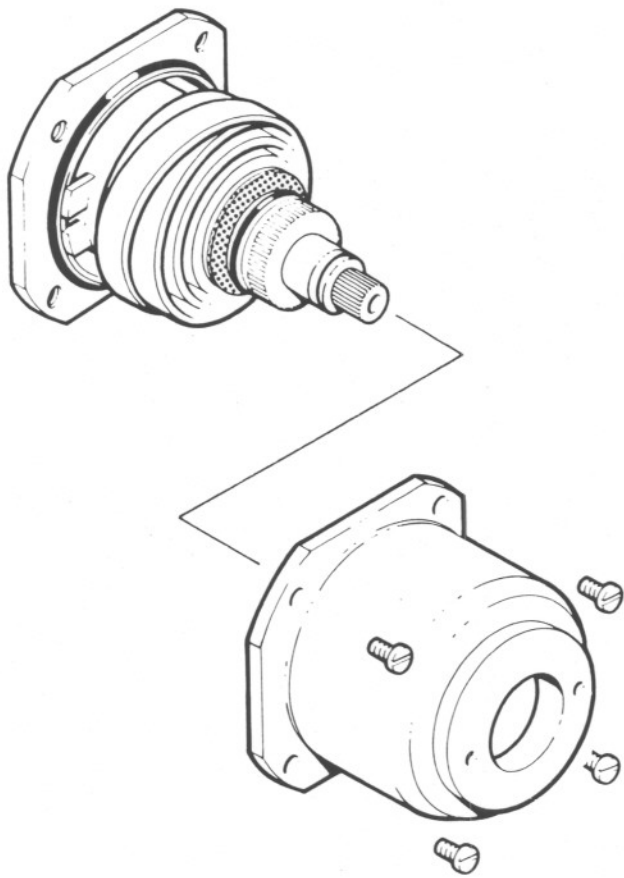
23

Fit the cover seal over the boss on the valve body.

24

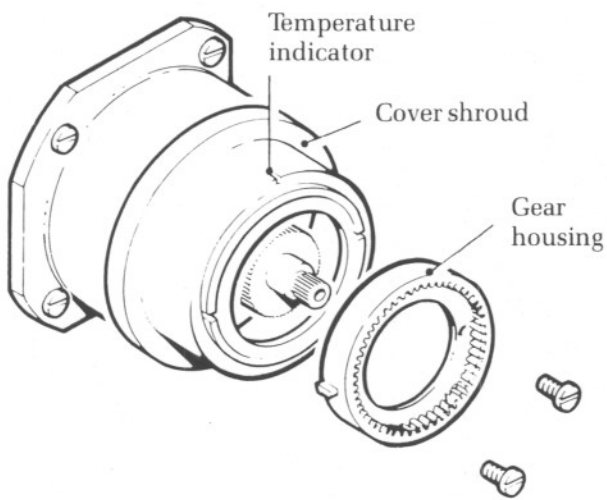
Fit the largest thrust washer over the temperature spindle.





25

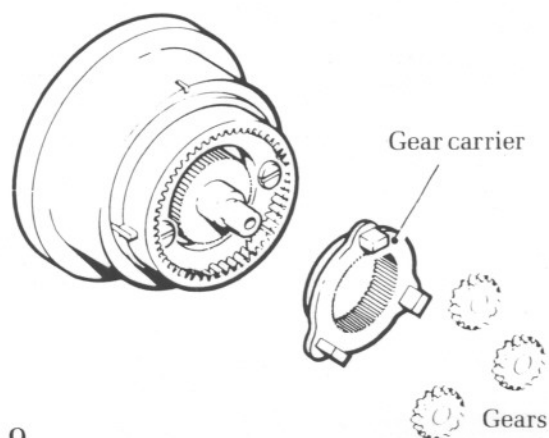
Refit the cover and secure it with 4 cover screws. Ensure that the 2 holes in the front face of the cover are horizontal. Tighten cover screws fully. Turn on the water supplies and check for leaks.



26

Refit the cover shroud, ensure that the temperature indicator is at the top. Fit the gear housing onto the end of the cover, locate the 2 lugs into the cut-outs in the cover shroud. Secure the gear housing with 2 screws.

On recessed models refit the concealing plate over the cover shroud. Ensure that it is located over the 3 retaining clips.



27

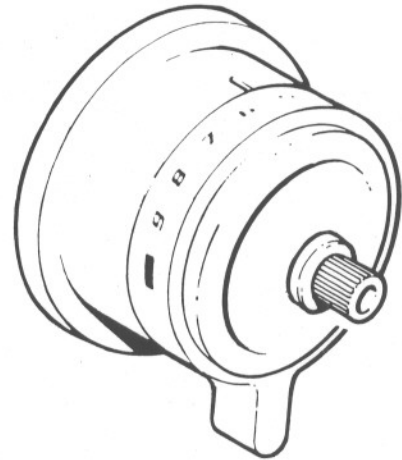
Fit the gear carrier onto the splines of the temperature spindle, then fit the 3 gears onto the gear carrier.

Maximum temperature setting

Ensure that there is an adequate supply of hot water available.

28

Fit the temperature knob to the valve with No 5 adjacent to the indicator on the cover shroud. (Do not fit the washers and circlip at this stage.)



29

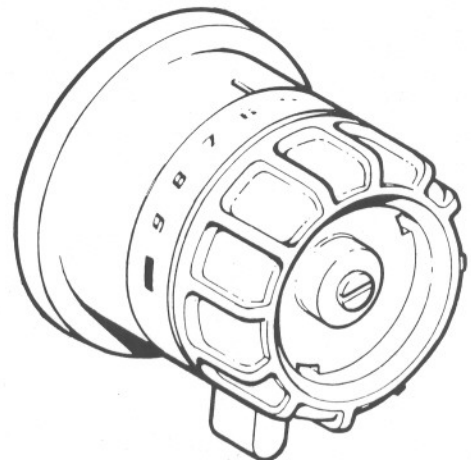
Fit the flow knob and secure it with the screw.

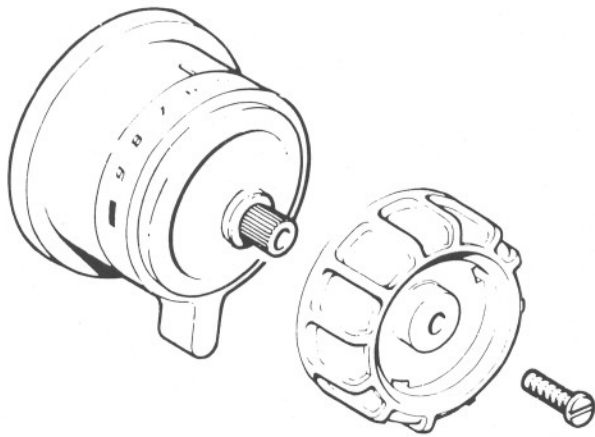
Note! for correct operation of the flow control and to prevent leakage the screw **MUST** be fitted.

30

Turn the shower on and check the temperature at the sprayhead. To increase the temperature turn the temperature knob towards No 9, to reduce temperature turn it towards No 0.

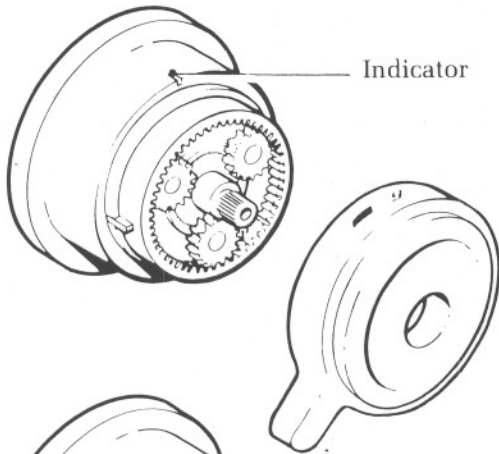
Note! If the required Maximum temperature cannot be achieved, remove the flow knob and screw, pull off the temperature knob, and refit it at No 5 so that further movement in the required direction is possible.





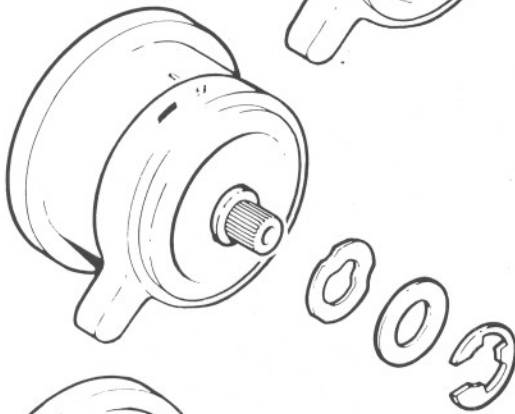
31

When the required maximum temperature is reached, turn the shower off and remove flow knob and screw.



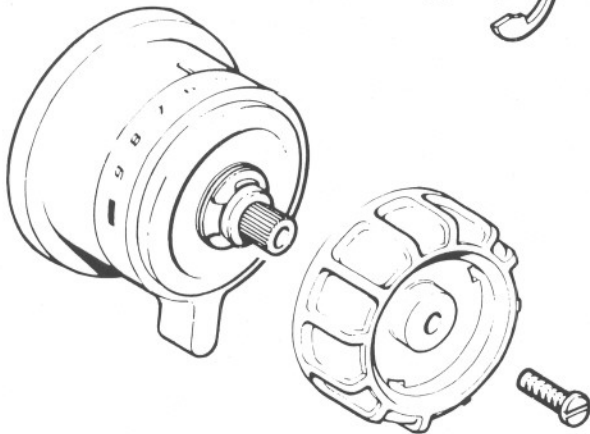
32

Remove the temperature knob and refit it so that No 9 is adjacent to the indicator on the cover shroud.



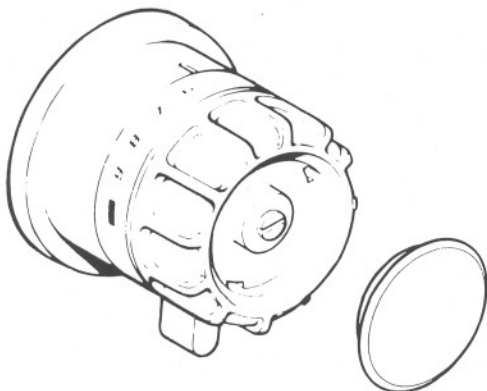
33

Fit the wavy washer, the flat washer and the circlip to secure the temperature knob.



34

Refit flow knob and secure it with the screw.

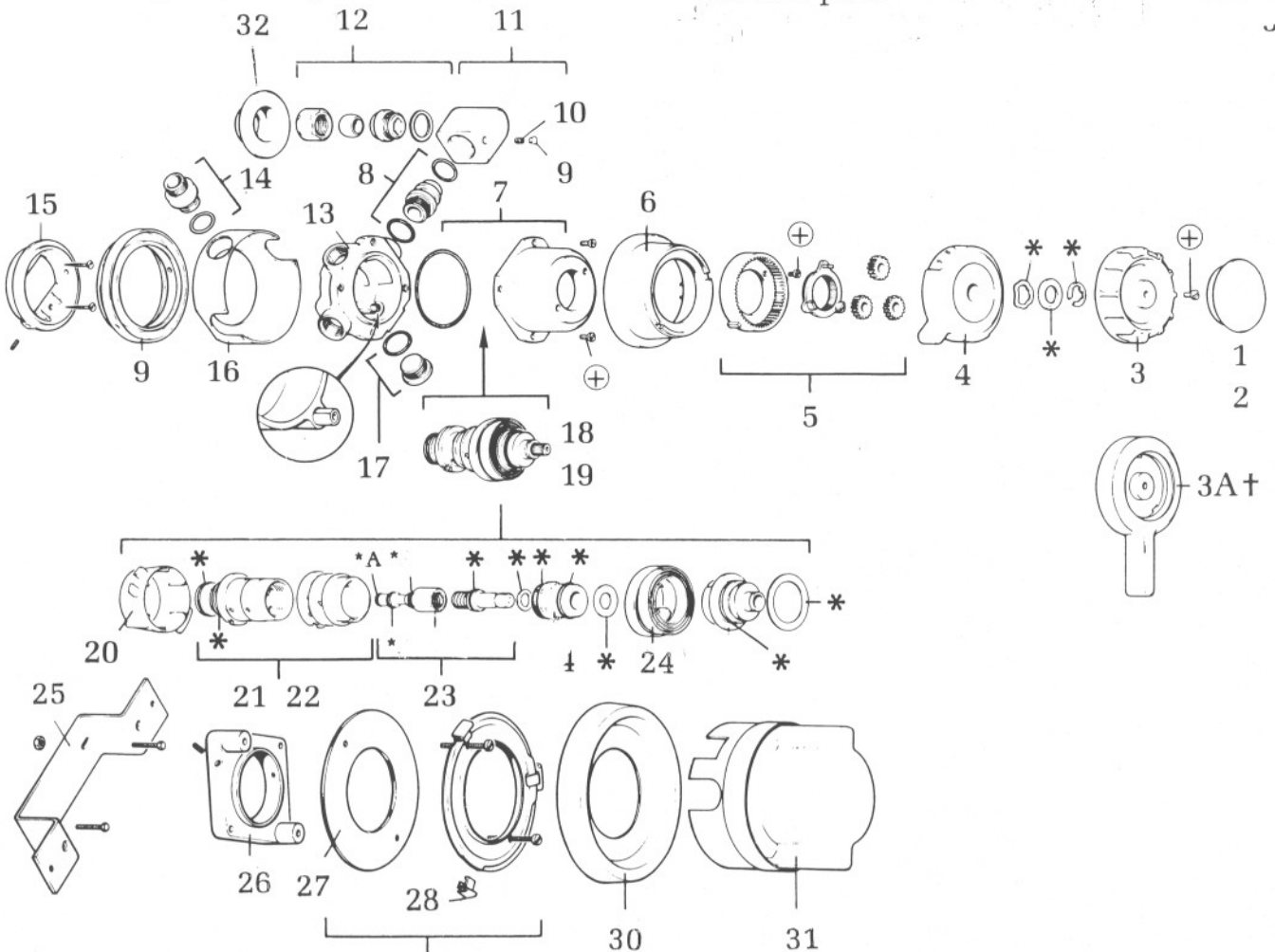


35

Fit concealing cap to flow knob.

Parts List

| Item No | Description | Part No | | |
|---------|--------------------------|---------|----|---|
| 1 | Concealing Cap - 723 | 107 07 | 19 | Cartridge assembly - 723L 902 70 |
| 2 | Concealing Cap - 723L | 107 19 | 20 | Deflector 282 11 |
| 3 | Flow Knob | 916 81 | 21 | Pillar and sleeve assembly - 723 900 66 |
| 3A | 'H' Knob (white) | 931 33 | 22 | Pillar and sleeve assembly - 723L 900 67 |
| | (chrome) | 931 34 | 23 | Flow piston/spindle assembly 927 20 |
| 4 | Temperature knob | 032 97 | 24 | Thermostat coil 019 80 |
| 5 | Gear Control Set | 800 22 | 25 | Support bracket assembly ('B' models) 805 38 |
| 6 | Cover shroud | 079 65 | 26 | Backplate assembly ('B' models) 807 11 |
| 7 | Cover assembly | 920 50 | 27 | Seal ('B' models) 641 56 |
| 8 | Inlet connector assembly | 555 41 | 28 | Clip (3) ('B' models) 579 55 |
| 9 | Trim pack | 937 13 | 29 | Mounting bracket assembly ('B' models) 805 36 |
| 10 | Inlet elbow grubscrew | 618 22 | 30 | Concealing plate ('B' models) 076 66 |
| 11 | Inlet elbow assembly | 802 73 | 31 | Building in shroud ('B' models) 079 63 |
| 12 | Compression fitting | 280 07 | 32 | Pipe concealing plate 090 95 |
| 13 | Body assembly | 801 20 | ⊕ | Screw pack 933 98 |
| 14 | Outlet nipple assembly | 553 35 | * | Service pack 936 59 |
| 15 | Backplate assembly | 807 17 | | |
| 16 | Body shroud | 079 64 | | |
| 17 | Drain plug assembly | 089 69 | | |
| 18 | Cartridge assembly - 723 | 902 65 | | |



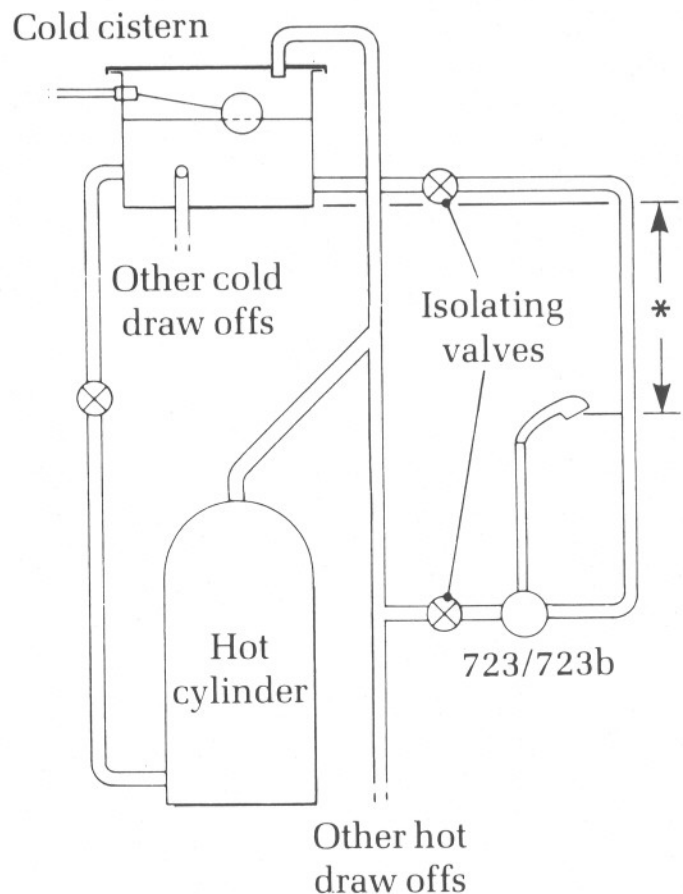
† Part number 3A is only available from your local stockist

Installation notes

- i Layout and sizing of pipework must be such that when other services are used, pressures at the valve inlets are maintained approximately equal and do not fall below the recommended minimum. Hot and cold water supplies **must** originate from storage tanks as shown in schematic plumbing layout except when used with gas water heaters (see vi below).
- ii Supply pipes must be flushed to clear debris before connecting to the Mira 723.
- iii Conveniently situated isolating valves should be fitted for servicing purposes.
- iv No form of flow control should be fitted in outlet pipework.
- v Installations must comply with Local Water Authority or Water Undertakers Bye-Laws.
- vi **GAS WATER HEATERS**
The Mira 723 can be used in conjunction with fully modulating gas water heaters. Consult our Customer Advice Department for advice if it is intended to use any form of instantaneous heater to supply the hot water. For further information see Data Sheet P579.
- vii **PUMPS**
Where insufficient pressure

exists or a more forceful shower is required a booster pump may be installed. The type of pump used will depend on the site conditions, the type and number of sprayheads required. For further information see Data Sheet P2181, and Pump Guide P2310.

Schematic plumbing layout



* Minimum head

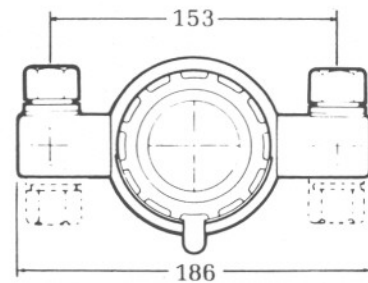
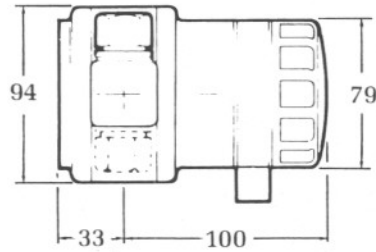
0.9 metre = 5.7 litre/min

Absolute minimum

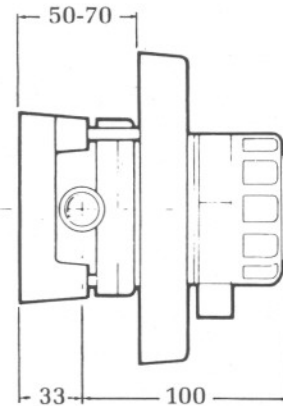
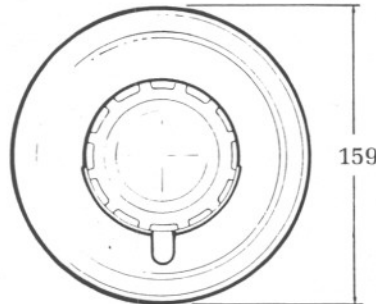
0.6 metre = 4.6 litre/min

The figures quoted for each situation are based on pipe runs not exceeding 5 metres of 15mm pipe on each supply.

Mira 723
Dimensions



Mira 723b
Dimensions



| | 723 | 723b |
|--|--|--|
| Valve type | Thermostatic | Thermostatic |
| Configuration | Surface mounted mixer shower | Recessed mixer shower |
| Controls Knob Lever | Flow control knob Temperature control knob | Flow control knob Temperature control knob |
| Maximum temperature Stop | Yes | Yes |
| Temperature Selection | Full cold to preset maximum temperature | Full cold to preset maximum temperature |
| Pressures – must be nominally equal. See Installation notes (Page 4) | | |
| Minimum pressure | 0.06 bar | 0.06 bar |
| Maximum pressure loss | 3 bar | 3 bar |
| Maximum static pressure | 10 bar | 10 bar |
| Connections inlets outlet | 15mm compression 15mm compression/1/2" BSP male | 1/2" BSP female 1/2" BSP female |
| Standards | BS 1415 part 2 UK "WFBS" Listed (IRN 103, 104 and 111) | BS 1415 part 2 UK "WFBS" Listed (IRN 103, 104 and 111) |

Customer Service

Guarantee of Quality

Mira Showers guarantee products against any defect of materials or workmanship for one year from the date of purchase (2 years for Mira Select and 3 years for Mira Excel ranges).

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 241 0888
8.30am to 5pm Working days (4.30pm Fri)
8.30 am to 12.30pm Saturday
E-mail: 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 9 am-5pm
Fax: 028 9044 9234 – 24 hours
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
Post: Otter House
Naas Road
Clondalkin
Dublin 22

Mira Showers
Kohler Mira Ltd
Cromwell Road,
Cheltenham GL52 5EP.

Mira is a registered trade mark of Kohler Mira Limited.
The company reserves the right to alter product specifications without notice.



FM 14648

mira
SHOWERS