

SERVICE NOTES Use only **GENUINE FELTONMIX Replacement Parts**

To Replace Seals and Springs

A rubber shut-off seal and spring is fitted in each of the two inlets of the valve body and two O-ring seals fitted to the rotor located inside the valve body.

1. Unscrew shower head and stem from valve body.
2. Using both hands support the handle top and bottom and withdraw from valve body.
3. Remove wallplate by unscrewing the two $1\frac{1}{8} \times 7$ fixing screws.
4. Turn off water supply at either the mains or the shower mixer isolators.
5. Gently prise stainless steel retaining clips on valve body outwards with screwdriver and remove clips completely. Pull isolators clear of valve body.
6. Unscrew mixer retaining screws and remove mixer from wall.
7. Remove grub screw from control sleeve.
8. Withdraw rotor from body using a suitable tool through cross hole in rotor.
9. Using seal extractor tool supplied with the replacement seal pack, insert end marked 'REMOVE' fully into hole in centre of seal and withdraw seal and spring.

10. Fit blade of seal extractor tool end marked 'REPLACE' into slots in bore of new seal and spring.
11. Fit seal in inlet bore with turning motion until lugs on seal engage in slots in bore of inlet. Push fully home.
12. Discard O-Ring seals on rotor. Replace with new O-Ring seals.
13. Discard isolator O-Rings and fit new O-Rings supplied.
14. Re-assemble in reverse manner. Insert rotor in body. Fit isolators to mixer body. Insert stainless steel retaining clips through slots in valve body and press fully home

Filters

Each isolator is fitted with a filter. These filters can be easily prised out, cleaned and snapped back into place.

Feltonmix

The Perfect Shower Every Time

SHOWER MIXING VALVES

Felton Industries Ltd warrant to the purchaser of this shower mixer that it is free from defects in materials and workmanship. Accordingly we undertake to repair or replace and part which we are satisfied is defective for up to five years after installation date. This warranty is valid only when the mixer is installed by a qualified plumber, to the following instructions.

Felton Industries Limited is an ISO9002 Registered Supplier, and Feltonmix® shower valves are manufactured to WaterMark standard AS/NZS 3718:2005, Licence No. WMKA25208 and New Zealand Standard 4611: 1982, Licence No. 2491.

Three models are available to suit different conditions. Filters are fitted to protect parts from damage caused by water born particles. Removal of these filters may void the warranty.

The maximum hot water temperature should not exceed 80°C

Feltonmix® Type U - Blue Rotor.

For use on unequal supply pressures. Mains pressure cold *i.e.* supplies from 150 kPa to maximum 500kPa ; low pressure hot *i.e.* minimum of 20 kPa to maximum 150 kPa flow pressure.

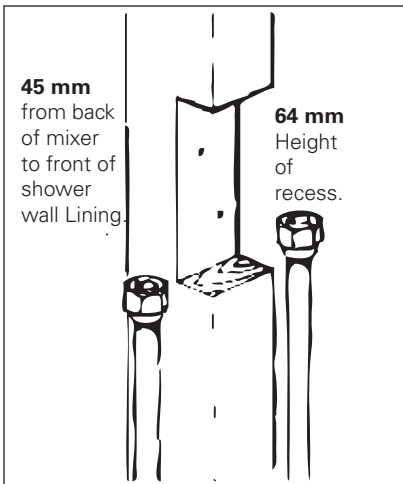
Feltonmix® Type H - Pink Rotor.

For use on equal high supply pressures. Mains pressure hot and cold *i.e.* supplies from 150 kPa to maximum 500kPa flow pressure.

Feltonmix® Type E - Green Rotor.

For use on equal low supply pressures. Hot and cold supply from minimum 20 kPa to maximum 150 kPa.

Note: A pressure reducing valve in compliance with AS 1357 may need to be fitted to maintain supply pressure below 500 kPa.



Installation Instructions

FELTONMIX® Shower Valves Types U, E and H

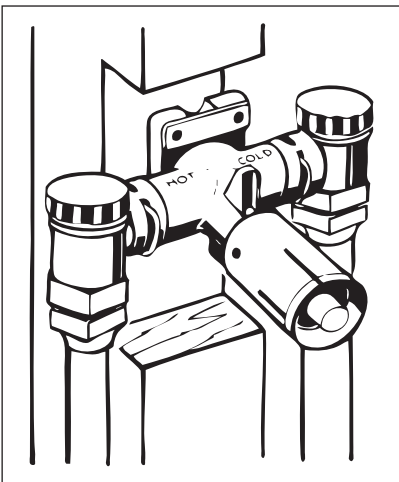
1. Provide a stud or other suitable fixing in the shower wall on which to mount the shower valve Shower head at about eye level (between 1.5 and 1.8 metres) is a good guide. Ensure distance from mounting face to front of wall lining is **45mm**.

2. **Flush out pipework.** Mount shower valve assembly and secure with two wood screws provided. **It is important** that the pipes which are now connected directly to the isolator valves on each side of the shower valve assembly line up correctly with the isolators and do not place any unnecessary strain on the valve assembly. Ensure isolators are open, (turn anticlockwise). Do not apply heat to pipes connected to the mixer as internal damage may occur.

Note: When tightening crox nuts it is important to hold the hexagon face to prevent any strain on the isolator. **Do not attempt to tighten or remove the brass nipple from the isolator. This has been installed with correct pre-loading at the factory and any alteration may cause damage to the isolator.**

3. Cut an access hole in the wallboard to suit the shape of the wallplate using the template provided.

4. Position the wallplate over the valve outlet and fit the two 1¹/₈ x 7 screws provided through each wallplate slot and into the valve body lugs. Tighten screws alternately until wallplate is firmly clamped to the wall.



Warning:

Do not overtighten. Light pressure is sufficient to clamp the wallplate firmly.

5. Rotate slotted sleeve on valve body (projecting from central hole of wallplate anticlockwise and fit handle to sleeve, locating at the 4 o'clock position. Handle should recess into the wallplate and match its contours. Ensure that handle has about 10 mm of engagement.

6. Screw showerhead into valve assembly until full home. If necessary unscrew the showerhead part a turn to bring it to the correct position. The O-ring seal fitted to the showerhead stem will ensure a watertight seal. Tape or hemp on the thread is not necessary or desirable.

7. CHECK OPERATION. When installed check that the handle swins from right to left from OFF to HOT. Total movement is about 130°.

TROUBLE SHOOTING

Insufficient Water Flow:

Check that the correct model (Type U, Type E or Type H) has been installed for the supply conditions. Check filters for foreign matter.

Insufficient Hot Water:

Check that isolators are fully open (unscrewed anticlockwise) Check that sufficient water pressure is reaching the valve. A minimum of 20 kPa (3 p.s.i.) flow pressure is recommended. Inadequate hot water temperature and/or flow may also be experienced if a

tempering valve is fitted and is not installed strictly in accordance with the manufacturer's instructions.

Valve does not shut off properly:

Check seals.

Water leaks from behind handle:

If water is leaking from under slotted sleeve when shower is on it will be necessary to replace O-ring seals on rotor.

(see a/so Service Notes)

To protect your investment, use only Genuine Feltonmix Spare Parts. Substitutes may damage the Feltonmix product. Authorised parts carry the description

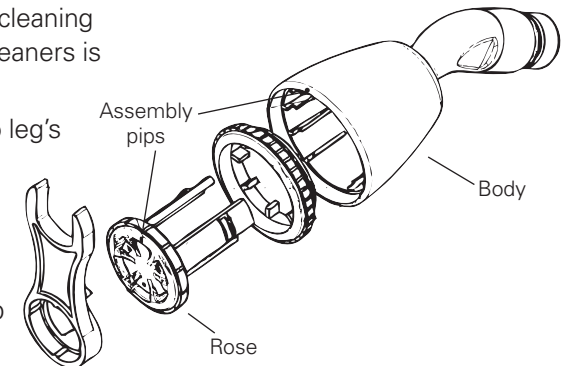
GENUINE SPARE PARTS MANUFACTURED BY FELTONMIX LTD, AUCKLAND, N.Z.

SHOWER HEAD

Your Feltonmix shower head is manufactured from self-cleaning plastic materials and cleaning with a soft nylon brush and bathroom cleaners is usually sufficient.

If dismantling is required, insert the two leg's of the Feltonmix spanner into the face of the rose. Turn the rose approximately thirty degrees and withdraw it from the shower head body.

When assembling ensure that the sharp outer edge of the soft spray ring is located at the front edge of its support ring. Align the assembly pips on the front face of the rose and lip of the body. Push them together until they click twice.



Manufactured by **FELTON INDUSTRIES LTD**

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