OPERATION

There are 2 control handles on these valves. To control the flow turn the left control handle anti-clockwise to turn on and increase the flow. Turn clockwise to decrease and turn off. On the temperature control a numbered dial indicates the direction for hot and cold flow. Turn anti-clockwise for hot and clockwise for cold. If in operation an increase in temperature above the factory set temperature is required, simply depress the stop button on the temperature handle when it reaches the stop and continue to turn the handle anti-clockwise until the desired temperature is found.

CLEANING

Your fitting has a high quality finish and should be treated with care to preserve the visible surfaces.

All surfaces will wear if not cleaned correctly, the only safe way to clean your mixer is to wipe it with a soft damp cloth. Stains can be removed using washing up liquid. All bath cleaning powders and liquids will damage the surface of your fitting, even the non-scratch cleaners.

FAULT DIAGNOSIS

If your valve fails to function correctly, the following should be checked:
Check that the hot and cold connections are the correct way around. Hot on the left and cold on the right.

Ensure that the hot water temperature is adequate, the recommended minimum temperature is 60ºC. The hot water temperature has to be at least 10ºC higher than the blend temperature to ensure that the safety shut off will work.

GUARANTEE

All products are manufactured to the highest standards and have a years Replacement Guarantee which covers any defect in manufacture.

Any part found to be defective during the guarantee period will be replaced without charge providing that the product has been installed in accordance with our instructions, used as intended and maintained/serviced as recommended.

In the unlikely event that any problems are encountered with this product's performance on installation, please contact our Customer Service Department for help.

It may experdite matters to be able to supply proof and date of purchase.

The guarantee excludes damage caused by accident. Misuse or neglect and does not cover the following:

Those components subject to wear and tear such as 'O' rings and washers etc,
Damage caused by faulty installation.
Damage caused by waterborne debris.
Damage caused by improper cleaning products.
The products being used for a purpose other than intended.

The company reserves the right, in the event of a claim not covered by the guarantee, to charge the claimant for parts and labour at current rates. This guarantee is given in addition to and does not affect your statutory rights.

In the interest of continuous product development we reserve the right to alter the specification as necessary.

In the unlikely event that you need to make a claim on our guarantee please contact MX customer services on 0845 505 2211 or sales@mx-group.com

Marleton Cross Limited Trading as The MX Group,
Alpha Close, Delta Drive,Tewkesbury Industrial Estate,Tewkesbury, Glos. GL20 8JF.
www.mx-group.com email: sales@mx-group.com
Service line number: 0845 505 2211
06-09-LH

Installation Instructions For Surface Mounted Thermostatic Shower

INTRODUCTION

Your bar shower fitting is a thermostatic mixer. It has been designed and tested to comply with BS EN 1287:1999 & BS EN 1111:1999, manufactured to the highest quality standards. These instructions are for your guidance to a safe and successful installation and should be left with the user.

SPECIFICATION

Inlet Connections 1/2" BSP to 1/2" BSP fixings

Water Pressures: Min. 0.1 bar Max. 5 bar Maximum recommended imbalance between hot & cold, pressures should not exceed 5:1

Factory Set Temperature: 38ºC (Can be overridden to suit site conditions)
Hot & Cold Supply Temperature. Maximum Cold Supply 25ºC, Maximum Hot Supply 80ºC

NOTE: The inlet hot water temperature must be a least 10ºC above the required blend temperature to ensure that the safety shut off will work.

PACK CONTENTS CHECKLIST

Riser Rail Kit: 1 x Valve 1 x Riser rail kit 1 x Shower hose,
2 x Elbow/Shroud connecting kits and 1 x Showerhead

Overhead Kit: 1 x Valve 1 x Right Angled Rail with wall bracket 1 x Vertical Rail with wall bracket 1 x Shower hose 2 x Elbow/shroud connecting kits
1 x Showerhead 1 x Fixed Head 1 x Flow Diverter 1 x Height Adjuster and 1 x 10mm Allen Key

VALVE INSTALLATION

Prior to drilling into walls, check there are no hidden electrical wires, cables or water supply pipes using the aid of an electronic detector. If you use power tools use them safely. Wear eye protection. Unplug equipment after use.
NOTE: Isolating valves should be fitted to both hot and cold water supplies for servicing purposes.

1. Identify all components and check for completeness, particularly before arranging fitting.
2. This mixer should be installed in compliance with the Water Regulations. For further details contact your Local Water Authority.
3. This Mixing valve is suitable for use with the following systems:

Gravity Fed , Gas Combination Boiler, Pumped Gravity , Mains Presure (Thermal Store), Unvented Systems.

NOTE: On gravity systems the minimum distance from the underside of the cold water storage tank to the shower head must be 1 metre.

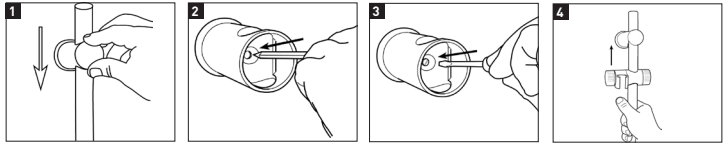
1 Determine correct orientation and position for the valve and screw the connectors into the wall connections, (1/2" BSP female), not supplied. **Hot on the left and Cold on the right.**
2 Screw the shrouds onto the connectors.
3 Before connecting the mixer, water should be flushed through the system to remove all debris.

NOTE: For Riser Rail fitting the outlet should be facing downwards and for overhead fitting facing upwards, with the hot supply always on the left.

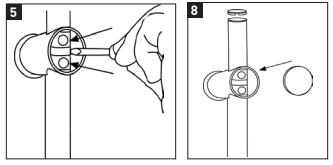
If you are not using mounting brackets (not supplied), the shower needs to be connected/supported with rigid pipework.

ADJUSTABLE RISER RAIL INSTALLATION

1 Establish position for the Riser Rail as suited to the user's requirement.
2 Mark the wall where the Upper Bracket is to be fixed.
3 Drill and plug the wall and fit the Upper Bracket.
4 Slide the rail through the top fixing bracket from the underneath ensuring height adjuster is correctly positioned and then locate position for bottom bracket.



5 Ensure the rail is vertical and mark the wall where the bracket is to be screwed. Slide the rail up through the top bracket and lightly pinch fixing nylon screws to hold the rail out of the way.
6 Drill and plug the wall and fix bottom bracket.
7 Release nylon fixing screws on top bracket and slide tube through the bottom bracket.
8 When satisfied with positioning finally tighten the nylon fixing screws on both brackets. **NOTE:** Do not over tighten. Fix caps and the tube ends.

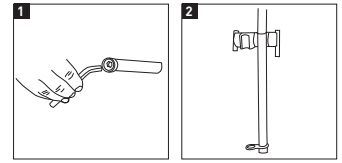


VERTICAL RAIL INSTALLATION

FITTING THE HANDSET HEIGHT ADJUSTER AND HOSE RETAINING RING ONTO VERTICAL RAIL

1 Take the 10mm Allen key (supplied) and insert into the hexagon hole in the bottom of the vertical rail, unscrew brass threaded insert to remove the bits.
2 With the lever on the right hand side and pointing down slide the showerhead height adjuster onto the vertical rail and lock in place, slide the hose retaining ring on to the vertical rail.

Replace the revolving nut by screwing the brass threaded into the vertical rail ensuring the rubber o-ring seal is in place. Hand tighten using the allen key.

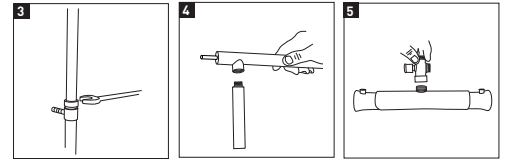


FITTING THE VERTICAL RAIL TO MIXER VALVE

3 The vertical rail is telescopic, unscrew the locking nut being careful not to damage the chrome plating. Slide the inner tube out from the outer one to the required length.
4 Attach the top overhead rail to the vertical rail and screw until hand tight. The 'O' ring provides a seal so it does not need to be overtightened.

NOTE: Ensure the locking washer is on the rail and do not tighten the locking nut between the two vertical tubes until the rail has been completely fitted. If desired it can be tightened at the desired height for use.

5 Assemble the diverter valve to the mixer valve making sure sealing washer is fitted and the outlet is pointing upwards.



6 Attach the vertical rail with overhead rail attached to the diverter valve and mark the position for both the fixed brackets. Secure the bracket mounting plate, to the wall then push on the bracket cover.

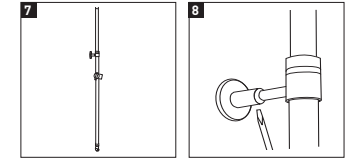
NOTE: Ensure the rail is vertically above the valve using a spirit level. Ensure there is no cables or pipework behind the wall bracket positions. Remove the vertical rail and position the wall bracket in each of the marked positions.

Mark the 3 hole positions for the screws on each bracket. Drill and plug the wall. (The wall plugs are suitable for most brick walls - use an appropriate masonry drill, but if the wall is plasterboard or a soft building block, use suitable wall plugs and a suitable drill bit, not supplied).

FITTING THE OVERHEAD RAIL

7 Screw the overhead assembly to the top of the diverter valve making sure the washer is fitted. It does not need to be overtightened as a rubber washer is supplied.
8 Locate the overhead rod into the wall bracket, check it is vertical with a spirit level. Using a suitable screwdriver secure the overhead assembly to the wall bracket by tightening the lock screw in the top of the riser rail collar.

NOTE: There is a small amount of depth adjustment within the collar. Adjust the depth of the bracket before securing in place to the mounting plate.



FITTING THE LARGE FIXED SHOWERHEAD, HOSE & SHOWERHEAD

9 Screw the large fixed showerhead to the overhead assembly. Make sure the sealing washer is in place and screw tight to seal the joint.

10 Connect one end of the shower hose to the diverter valve on the mixer valve for overhead fitting, or connect straight to the outlet of the mixer valve for riser rail fitting, making sure that the sealer washer is in place. Screw the remaining end of the shower hose to the showerhead then locate the showerhead into the showerhead height adjuster. Carry out a leak test.

NOTE: It is the conical end of the Shower hose which grips into the handset height adjuster. The handset will not fit in the height adjuster without the shower hose attached.