

AQUALISA

HiQu_{XT}TM

**Thermostatic Bar valve and Bath
shower mixer**

Installation guide





HiQu XT Bath/shower mixer



HiQu XT Bar valve

Components

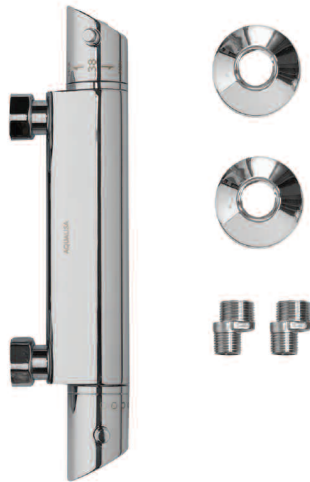
Bath/shower mixer



Literature not shown

Components

Bar valve



Literature not shown

Important information

Introduction

The HiQu XT product range is available as either an exposed shower valve or an exposed bath/shower mixer. HiQu XT thermostatic valves provide close temperature stability and fail safe protection on appropriate high pressure systems.

The HiQu XT range is suitable for use on high pressure, combination boiler and boosted gravity systems.

The HiQu XT product range is supplied with a 5 year guarantee.

Safety information

This product must be installed by a competent person in accordance with all relevant current Water Supply Regulations.

The HiQu XT range is designed for domestic use only.

Product specification

HiQu XT products are suitable for balanced high pressure, combination boiler systems and boosted gravity systems. Pressure range 1.0* – 10.0 bar max (static).

* The combination boiler MUST have a minimum rating of 24kW (80,000 Btu) and be of the type fitted with a fully modulating gas valve.

If in any doubt, please contact the appliance manufacturer before installation commences.

Connections

The HiQu XT product range is designed for conventional supplies with HOT on the Left and COLD on the Right as viewed from the front.

Supply lines must be flushed clear of any debris before installation of the unit. Any debris accumulation in the shower valve and head may result in damage and poor performance.

Flushing

Some modern fluxes can be extremely corrosive and, if left in contact, will attack the working parts of this unit. All soldering must be completed and the pipe work thoroughly flushed out in accordance with current Water Supply Regulations prior to connection of the product.

Filters

To ensure optimum ongoing performance, the HiQu XT product range is protected by inlet filter assemblies in the internal waterways. Debris accumulation may result in progressively reduced flow through the showerhead and noisy operation.

Isolating valves

Suitable full way isolation valves must be fitted to both supplies in accordance with current Water Supply Regulations and our terms of warranty.

Due to their restrictive characteristics, stopcocks and ball type valves that reduce the pipe bore size must not be used on gravity pumped installations.

Pressures

The HiQu XT product range is designed to control static pressure up to 10 bar. Where pressures are likely to exceed 10 bar, a pressure reducing valve (PRV) must be fitted into the incoming mains supply. A setting of 3 bar is recommended. It should be noted that daytime pressures approaching 8 bar can rise above the stated maximum overnight.

A suitable PRV is available from Aqualisa.

The HiQu XT product range is not suitable for mixed supply systems, e.g. gravity hot and mains cold.

Boosted gravity installation

UNDER NO CIRCUMSTANCES MUST A PUMP BE FITTED DIRECTLY TO THE WATER MAIN.

A pump must only be used to boost the pressure from tank-fed supplies. A typical layout is shown overleaf.

A minimum 1 bar twin ended booster pump may be fitted with any HiQu XT product, but for optimum performance a larger booster pump is recommended.

Stored water capacities

The minimum capacity of the cold storage cistern should not be less than 225 litres (50 gallons). The capacity of the hot cylinder must be capable of meeting the anticipated demand.

Balanced high-pressure system

The HiQu XT high pressure product range is designed to operate with unvented hot water storage systems up to a maximum pressure of 10 bar. The cold water supply must be drawn from the same mains supply as that to the hot water system (down stream of the cylinder manufacturers pressure limiting valve, where supplied) and the hot supply from the nearest convenient draw off point. Account must be taken of pressure drops that may occur when other draw-off points are used while the shower is in use. A typical layout is shown overleaf.

Combination boiler/multipoint system

The HiQu XT high pressure product range is suitable for use with combination boiler systems. The combination boiler **MUST** have a minimum rating of 24kW (80,000 Btu) and be of the type fitted with a fully modulating gas valve.

This is sufficient to operate one outlet point at a time. The HiQu XT cartridge is designed to operate from the mains at a maximum of 10 bar. If the mains pressure exceeds 10 bar a 'drop tight' PRV must be fitted on the supply pipe after the main stopcock.

If in any doubt, please contact the appliance manufacturer before installation commences.

The cold supply can be taken from the nearest convenient mains supply and the hot supply can be taken from the nearest hot water draw-off point. Account must be taken of the pressure drops that will occur when other draw-off points are used while the shower is in use. A typical layout is shown overleaf.

Installation instructions

HiQu XT Bar valve

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In addition to the guide below it is essential that the written instructions overleaf are read and understood and that you have all the necessary components before commencing installation. Failure to install the product in accordance with these instructions may adversely affect the warranty terms and conditions. Do not undertake any part of this installation unless you are competent to do so. Prior to starting, ensure that you are familiar with the necessary plumbing regulations required to install the product correctly and safely.

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Bar valve fixing accessories are available separately. The MD300EFB is a first fix fixing bracket. If using the MD300EFB bracket, ensure sufficient threads are left from the finished wall surface, after the cover plates have been fitted, to ensure adequate purchase for the exposed valve.



The BAR001FIX bar valve fixing kit provides a method of surface siting exposed bar valves onto a finished wall surface, using 15mm concealed pipe work.



If required, fit the bar valve fixing accessory following the relevant installation instructions provided with the accessory kit and proceed to step 6 below.

The exposed valve and fixing bracket assembly MUST NOT be used as a grab rail support method.

1

Eccentric elbows are provided to allow for inlet pipework adjustment between 140mm – 160mm centres. Construct suitable connections terminating in ½" BSP female fittings.

2

If required, apply jointing tape to the threads and fit the eccentric elbow connectors sufficiently to achieve a water tight seal, terminating at 150mm centres to suit the exposed valve inlets.



3

Ensuring adequate provision to allow the water to discharge safely to waste, turn on the supplies to flush the system through. Attach pressure test equipment and pressure test the system in accordance with Water Supply Regulations.

4

Ensure the 3/4" supply connections are temporarily capped to prevent any dirt or dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

5

Apply a thin bead of mastic to the rear of the cover plates. Place the cover plates onto the exposed 3/4" threads, flush with the finished wall surface.



6

Ensuring the rubber washers/filters are positioned within the valve inlets, offer the valve into position. Tighten the fixing nuts using a suitable tool taking care not to overtighten.



7

Attach the hose (supplied separately) to the valve hose outlet to allow the water to discharge safely to waste. Turn on the supplies to the shower and turn the shower on to flush the system through. Turn off the shower.



If required, refer to the commissioning instructions to adjust the maximum temperature override button position.

HiQu XT Bath/shower mixer - wall mount



In addition to the guide below it is essential that the written instructions overleaf are read and understood and that you have all the necessary components before commencing installation. Failure to install the product in accordance with these instructions may adversely affect the warranty terms and conditions. Do not undertake any part of this installation unless you are competent to do so. Prior to starting, ensure that you are familiar with the necessary plumbing regulations required to install the product correctly and safely.



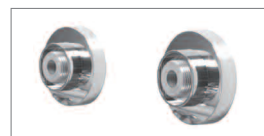
A wall mounting accessory kit is available from Aqualisa customer services separately – part no. 525301



Alternatively, Bar valve fixing accessories are available separately. The MD300EFB is a first fix fixing bracket. If using the MD300EFB bracket, ensure sufficient threads are left from the finished wall surface, after the cover plates have been fitted, to ensure adequate purchase for the exposed valve.



The BAR001FIX bar valve fixing kit provides a method of surface siting exposed bar valves onto a finished wall surface, using 15mm concealed pipe work.



If required, fit the bar valve fixing accessory following the relevant installation instructions provided with the accessory kit and proceed to step 5 below.

The exposed valve and fixing bracket assembly MUST NOT be used as a grab rail support method.

1

Construct suitable connections at 150mm centres terminating in $\frac{3}{4}$ " BSP male threads.

2

Ensuring adequate provision to allow the water to discharge safely to waste, turn on the supplies to flush the system through. Attach pressure test equipment and pressure test the system in accordance with Water Supply Regulations.

3

Ensure the $\frac{3}{4}$ " supply connections are temporarily capped to prevent any dirt or dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

4

Inlet pipe cover plates are available separately from Aqualisa customer services as an accessory kit (part no.525301) or complete with the easy fit fixing bracket. If required, apply a thin bead of mastic to the rear of the cover plates. Place the cover plates onto the exposed $\frac{3}{4}$ " threads flush with the finished wall surface.



5

Ensuring the rubber washers/filters are positioned within the valve inlets, offer the valve into position. Tighten the fixing nuts using a suitable tool taking care not to overtighten.



6

Turn on the supplies to the bath/shower mixer and turn the flow control knob on to flush the system through. Turn off the bath/shower mixer.



If required, refer to the commissioning instructions overleaf to adjust the maximum temperature override button position.

HiQu XT Bath/shower mixer - deck mount



The HiQu XT bath/shower mixer features inlet pipe centres of 150mm. However deck mount adaptors are provided to allow installation to baths at standard 180mm centres.

1

Ensuring the fibre washers are fitted within the valve inlets, attach the deck mount adaptors to the bath/shower mixer. Tighten the connections using a suitable tool, taking care not to overtighten.



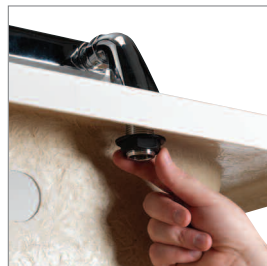
2

Place the rubber washers onto the tap tails and offer the assembly into position onto the bath.



3

Place the back nuts onto the tap tails and secure the assembly to the underside of the bath.



4

Using suitable connections connect the tap tails to the hot and cold supplies.



5

Turn on the supplies to the bath/shower mixer and turn the flow control knob on to flush the system through. Turn off the bath/shower mixer.

If required, refer to the commissioning instructions opposite to adjust the maximum temperature override button position.



The Waste Electrical and Electronic Equipment (Producer Responsibility) Regulation 2004

This product is outside the scope of the European Waste Electrical and Electronic Equipment Directive as interpreted within the UK.

In the UK this product can therefore be disposed of through commercial non-WEEE waste facilities.

The original manufacturer does not accept any liability under the WEEE directive.

AQUALISA

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Please note that calls may be recorded for training and quality purposes

The company reserves the right to alter, change or modify the product specifications without prior warning

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