AQUALISA

Midas®

Thermostatic exposed shower valve and bath/shower mixer systems

Installation guide

Index

Important information

Introduction

The Midas product range is available as either exposed shower valve systems or exposed bath/shower mixer systems complete with adjustable height heads. All shower heads feature variable spray patterns. Midas thermostatic valves provide close temperature stability and fail safe protection on appropriate high and low pressure systems.

The Midas 100 range is suitable for use on high pressure and combination boiler systems.

The Midas 200 features a specific low pressure exposed valve for use on gravity systems and an exposed valve and bath/shower mixer suitable for use on high pressure and combination boiler systems. Please refer to the product specification section below.

This Midas product range is supplied with a 2 year parts and labour and a further 3 year parts only guarantee. In the event of any product problems, please contact the Aqualisa customer helpline on 01959 560010 for assistance. Please refer to our terms of guarantee on page 23.

Safety information

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

The Midas range is designed for domestic use only.

Product specification

Midas 100 shower valve and Midas 100 bath/shower mixer, product is suitable for balanced high pressure systems e.g. unvented storage and combination boilers only. Pressure range 1.0* – 10.0 bar max (static).

Midas 200 low pressure shower valve, product is suitable for gravity stored systems only. Pressure range 0.1 – 1.0 bar max (static).

Midas 200 high pressure shower valve, and Midas 200 bath/shower mixer, product is suitable for balanced high pressure and combination boiler 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.

When fitted to combination boiler systems, Midas exposed shower valves have been designed to give optimum temperature control and stability from fully modulating combination boilers and instantaneous gas water heaters.
The Midas high pressure exposed shower valves are supplied complete with flow regulators to control the incoming hot water flow rate into the cartridge. The following regulators should be fitted to suit the relevant rated appliance as listed below:

YELLOW = 24kW (80,000 Btu) boiler
GREEN = 28kW (100,000 Btu) boiler
BLUE = 35+kW (120,000+Btu) boiler

Please refer to page 12 for fitting the regulator instructions.

N.B. The inlet flow regulators are not recommended for use with Midas bath/shower mixer valves.

Connections

The Midas 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 Midas 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.

As this condition is not covered by our standard warranty terms, it is suggested that the cartridge be removed and the filters checked by a competent person at least every 12 months. In the event of any difficulties please contact the Aqualisa customer helpline for assistance.

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 or pumped installations.

Pressures

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

Gravity fed hot and cold supplies

The specific low pressure Midas 200 shower valve is suitable for use with gravity systems.
Services must be installed according to good plumbing practice having regard to pipe sizing, long pipe runs and low-head situations.
The cold supply for the valve assembly must be taken directly from the cold storage system. The hot supply may be taken from the vent/draw off pipe of the hot water cylinder at a point below the cylinder connection or alternatively from the underside of the horizontal draw off.
Rising pipe work must not be connected into the horizontal draw-off from the cylinder or to any point in the vent/draw off pipe above the cylinder connection.

CYLINDER TEMPERATURE IN EXCESS OF 65°C MAY RESULT IN POOR SHOWER PERFORMANCE.

To minimise pressure loss we recommend that the hot and cold supplies are run in 22mm as close as reasonably possible to the mixing valve before reducing to 15mm to suit the intended inlet connection fittings.

Siting

For optimum performance, with gravity fed systems, the distance between the bottom of the storage cistern and the shower head should not be less than 1m (when using an adjustable height shower kit). Please refer to the system layouts on page 7.

Pump 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 on page 7.

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 Midas 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 on page 8.

Combination boiler/multipoint system

The Midas 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 Midas 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 on page 8.

When fitted to combination boiler systems, Midas exposed shower valves have been designed to give optimum temperature control and stability from fully modulating combination boilers and instantaneous gas water heaters. The Midas high pressure exposed shower valves are supplied complete with flow regulators to control the incoming hot water flow rate into the cartridge. The following regulators should be fitted to suit the relevant rated appliance as listed below:

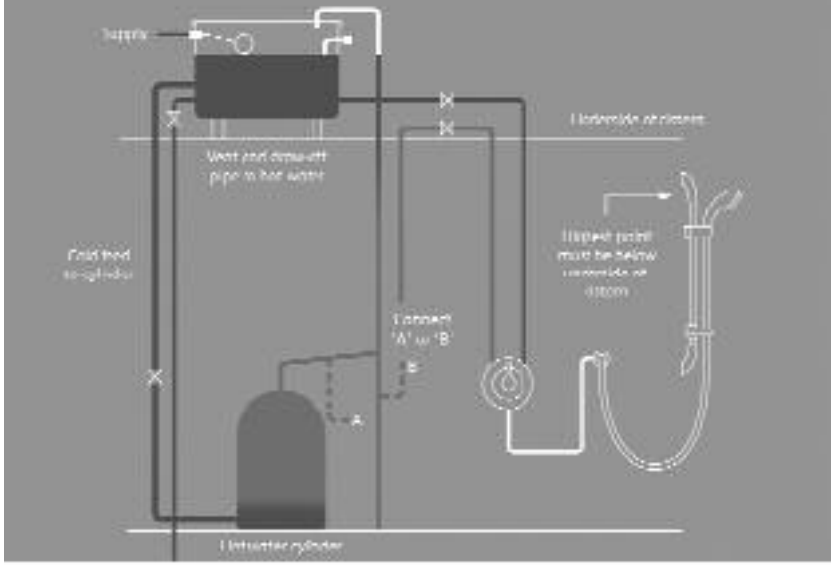
YELLOW = 24kW (80,000 Btu) boiler
GREEN = 28kW (100,000 Btu) boiler
BLUE = 35+kW (120,000+Btu) boiler

Please refer to page 12 for fitting the regulator instructions.

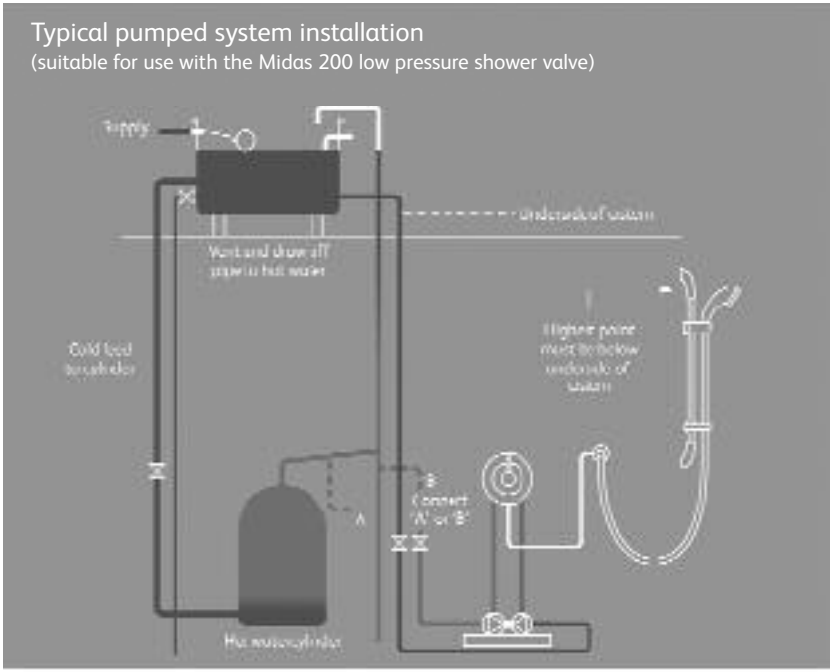
N.B. The inlet flow regulators are not recommended for use with Midas bath/shower mixer valves.

Typical system diagrams

Typical gravity system installation
(suitable for use with the Midas 200 low pressure shower valve)

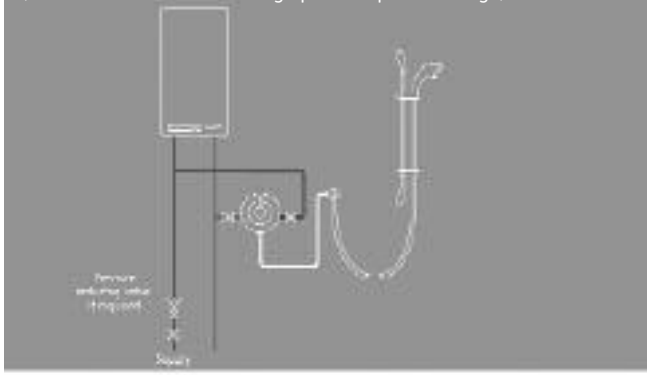


Typical pumped system installation
(suitable for use with the Midas 200 low pressure shower valve)

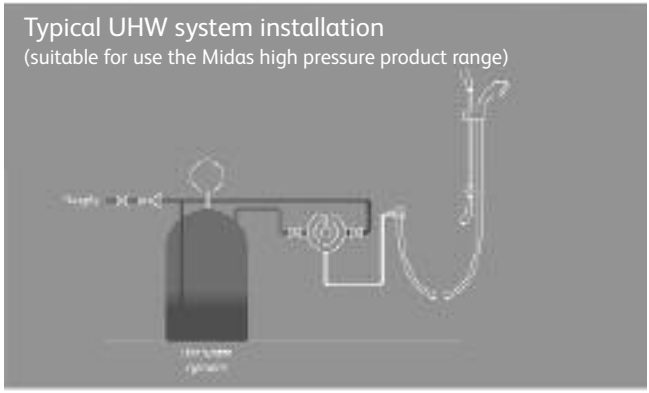


Typical system diagrams continued

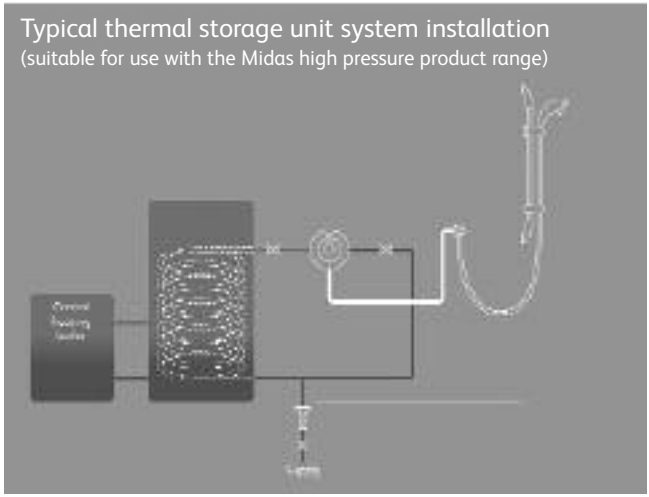
Typical combination boiler system installation
(suitable for use the Midas high pressure product range)



Typical UHW system installation
(suitable for use the Midas high pressure product range)



Typical thermal storage unit system installation
(suitable for use with the Midas high pressure product range)



Components - Midas 100

Flow regulators for use with combination boilers

Exposed shower valve with adjustable height head

Bath/shower mixer with adjustable height head

Components - Midas 200

Exposed shower valve with adjustable height head

Bath/shower mixer with adjustable height head

Midas exposed valves

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 (shown on pages 9 & 10) 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 first fix easy fit fixing bracket is available separately, product code MD300EFB, designed for ease of installation. If required, fit the easy fit bracket following the installation instruction sheet supplied with the bracket and proceed to step 6 overleaf.

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.

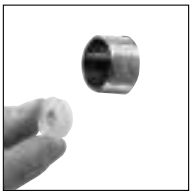
4 Ensure the ¾" supply connections are temporarily capped to prevent any dirt of dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

5 Apply a thin bead of mastic to the rear of the cover plates. Place the cover plates onto the exposed ¾" threads, flush with the finished wall surface.

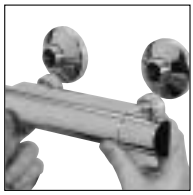
6 If the valve is being installed for use with a gas fired instantaneous (multipoint) water heater or a combination boiler, a flow regulator should be fitted to the hot water inlet. The inlet flow regulators are supplied as part of the system components and should be fitted to suit the relevant rated appliance as listed below:

YELLOW = 24kW (80,000 Btu) boiler
GREEN = 28kW (100,000 Btu) boiler
BLUE = 35+kW (120,000+ Btu) boiler

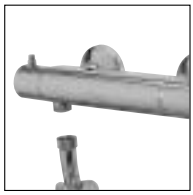
7 The Midas high pressure product range is supplied complete with 2 hot inlet flow regulator housings. The smaller housing is suitable for use with the Aqualisa easy fit fixing bracket and the larger housing is suitable for use with conventional inlet connections e.g. eccentric elbow connections. Fit the relevant sized regulator into the correct sized housing and place into the hot inlet pipe work connection ensuring the flow regulator O'ring faces the incoming flow.



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



9 Attach the hose 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 on page 21 to adjust the maximum temperature override button position.
Follow the shower head system installation instructions on pages 15 to 18 to complete the installation.

Midas bath/shower mixers - wall mount installation

! **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 (shown on pages 9 & 10) 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 first fix easy fit fixing bracket is available separately, product code MD300EFB, designed for ease of installation. If required, fit the easy fit bracket following the installation instruction sheet supplied with the bracket and proceed to step 5 overleaf.

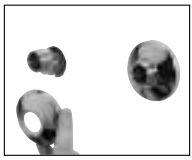
The exposed valve and fixing bracket assembly MUST NOT be used as a grab rail support method.

1 Construct suitable connections at 150mm centres terminating in ¾" BSP male threads.

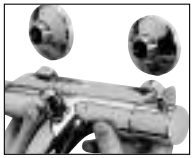
2 Ensuring adequate provision to allow the water to discharge safely to waste, turn on the supplies to flush the system through. Attach pressure test equipment and pressure test the system in accordance with Water Supply Regulations.

3 Ensure the ¾" supply connections are temporarily capped to prevent any dirt of dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

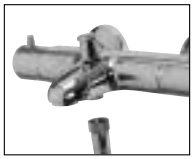
4 Inlet pipe cover plates are available separately from Aqualisa customer services or complete with the easy fit fixing bracket. If required, apply a thin bead of mastic to the rear of the cover plates. Place the cover plates onto the exposed ¾" threads flush with the finished wall surface.



5 Ensuring the fibre washers 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 on page 21 to adjust the maximum temperature override button position.
Follow the shower head system installation instructions on pages 15 to 18 to complete the installation.

Deck mount installation

The Midas range bath/shower mixers feature 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.

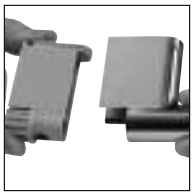
4 Using suitable connections connect the tap tails to the hot and cold supplies.

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 on page 21 to adjust the maximum temperature override button position.
Follow the shower head system installation instructions on pages 15 to 18 to complete the installation.

Midas 100 adjustable height head installation

1 Hold the front and rear of the grey rail end and carefully, but firmly, pull the chrome cover away from the rail end assembly as shown.

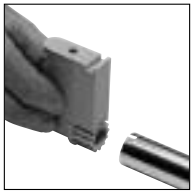


2 Prepare two fixing points 470mm vertically apart using a spirit level to facilitate if necessary using suitable fixings to accept No. 8 non-rusting screws (not supplied).

3 Ensuring the handset cradle is on the left side of the rail, pass the rail through the handset holder whilst keeping the slider button depressed .

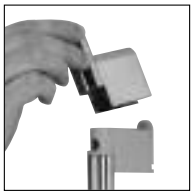
4 Current water supply regulations state the handset should not be allowed to pass a point 25mm above the spill over level of the bath or shower tray. If this cannot be achieved, the hose restraint must be fitted. This is fitted to the rail under the handset holder.

5 Fit the rail into the rail end bodies ensuring the indents in the rail are facing the finished wall surface.



6 Secure the rail assembly to the wall using No 8. non-rusting round head screws of suitable length ensuring the rail and rail end bodies remain firmly engaged.

7 Fit the rail end covers into position and push firmly into place.



8 If required, optional outlet flow regulators can be purchased from the Aqualisa customer helpline on 01959 560010. Fit the relevant flow regulator into the brass housing ensuring the O'ring faces the incoming flow. Connect the flow regulator assembly to the valve outlet ensuring the hose washer is correctly fitted.

! **Outlet flow regulators are not suitable for products fitted to combination boiler systems.**

9 Connect the hose to the bottom of the valve outlet ensuring the hose washer is correctly fitted to allow the water to discharge safely to waste and run the shower for a few seconds to clear any debris in the outlet assembly.

10 Turn off the shower and pass the hose through the hose restraint.

11 Disengage the pivot clip and remove the pivot from the bottom of the handset.

12 Ensure the hose washer is in the correct position and screw the pivot into the hose, using a suitable hexagonal key to tighten, taking care not to over-tighten. Reinsert the pivot into the handset and engage the pivot clip prior to placing the handset into the handset holder.

Midas 200 adjustable height head installation

1 Drill and plug two holes 540mm-555mm vertically apart using a spirit level if necessary. Fit the rail end clip into position and loosely fit the lower bracket into position.

2 Pass the rail through the handset holder whilst keeping the slider levers depressed with the handset holder pointing in a downward direction.

3 Carefully slide the gel hook/hose restraint onto the rail under the handset holder.

4 Current water supply regulations state the handset should not be allowed to pass a point 25mm above the spill over level of the bath or shower tray. If this cannot be achieved, the gel hook/hose restraint must be fitted. This is fitted to the rail under the handset holder.

5 Fit the rail into the rail end bodies taking care to engage the location slot onto the lugs.

6 Fit the rail end clip fitting into position into the top rail end body. Secure the rail assembly to wall using the screws provided ensuring the rail end bodies remain firmly engaged.

7 Place the rail end covers into position and push firmly into place.

8 If required, optional outlet flow regulators can be purchased from the Aqualisa customer helpline on 01959 560010. Fit the relevant flow regulator into the brass housing ensuring the O'ring faces the incoming flow. Connect the flow regulator assembly to the valve outlet ensuring the hose washer is correctly fitted.

! **Outlet flow regulators are not suitable for products fitted to combination boiler systems.**

9 Connect the hose to the valve outlet, ensuring the hose washer is correctly fitted to allow the water to discharge safely to waste and run the shower for a few seconds to clear any debris in the outlet assembly.

10 Turn off the shower and pass the hose through the gel hook/hose restraint (if required).

11 Disengage the pivot clip and remove the pivot from the bottom of the handset.

12 Ensure the hose washer is in the correct position and screw the pivot into the hose, using a suitable hexagonal key to tighten, taking care not to over-tighten.

13 Reinsert the pivot into the handset and engage the pivot clip prior to placing the handset into the handset holder.

Midas 100 shower valve and bath/shower mixer

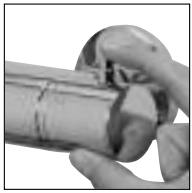
1. When the temperature lever knob on the right of the valve when viewed from the front has the red maximum temperature override button at the top of the knob, the valve is in the mid blend position. The mid blend temperature is dictated by the temperature of the incoming supplies. To select a comfortable showering temperature, depress the red button and slowly rotate the knob away from the finished wall surface to increase the temperature and towards the finished wall to decrease the temperature, using the temperature markings as a guide.

   N.B. Should it be necessary to reset the maximum temperature position, please refer to the commissioning instructions on page 21. **We recommend the MAXIMUM outlet temperature is set to 46^{0}C.**

2. Turn the valve on by carefully rotating the flow control knob on the left of the valve when viewed from the front, towards the finished wall surface until the required volume of flow is reached. Turn the valve off by rotating the flow control knob away from the finished wall until a stop is reached.

   N.B. With bath/shower mixers fitted to combination boiler systems, it may be necessary to adjust the flow control knob and reduce the flow to achieve a comfortable showering and bathing temperature.

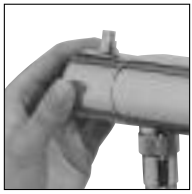
Midas 200 shower valve and bath/shower mixer



When the temperature lever knob on the right of the valve when viewed from the front has the maximum temperature override button at the top of the knob, the valve is in the mid blend position. The mid blend temperature is dictated by the temperature of the incoming supplies. To select a comfortable showering temperature, depress the button and slowly rotate the knob away from the finished wall surface to increase the temperature and towards the finished wall to decrease the temperature, using the temperature markings as a guide.

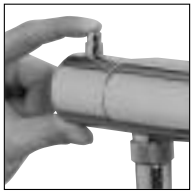
N.B. Should it be necessary to reset the maximum temperature position, please refer to the commissioning instructions on page 21. **We recommend the MAXIMUM outlet temperature is set to 46^{0}C.**

Midas 200 low pressure flow control



Turn the valve on by carefully rotating the flow control knob on the left of the valve when viewed from the front, towards the finished wall surface until the required volume of flow is reached. Turn the valve off by rotating the flow control knob away from the finished wall until a stop is reached.

Midas 200 high pressure flow control



Turn the valve on by carefully rotating the flow control knob on the left of the valve when viewed from the front, towards the finished wall surface until a stop is reached. To increase the volume of flow, depress the eco stop button and rotate the flow control knob further. Turn the valve off by rotating the flow control knob away from the finished wall until a stop is reached.

N.B. With bath/shower mixers fitted to combination boiler systems, it may be necessary to adjust the flow control knob and reduce the flow to achieve a comfortable showering and bathing temperature.

Midas range bath/shower mixer diverter knob

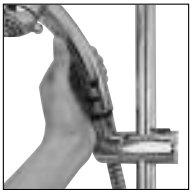
To divert from bath fill to shower, with the valve running, lift the diverter knob and twist a quarter turn to lock the knob into position. To divert back from shower to bath, twist the diverter knob a further quarter turn until it sits flush on the bath spout.

User guide - Shower head

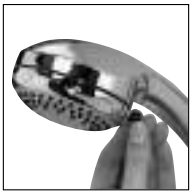
NEVER ATTEMPT TO MAKE ANY ADJUSTMENT TO THE SHOWER HEAD BY PULLING ON THE SHOWER HOSE.

1. To select the preferred height for the shower head, dependent on the system purchased, depress the handset holder button or levers fully to enable the slider to be moved up or down the rail.

2. Angular adjustment is made by carefully but firmly pulling forwards or pushing back the shower head against the knuckle in the holder.



3. To select the desired spray pattern rotate the shower spray plate clockwise or anti-clockwise.



Cleaning & maintenance

Your Midas shower system should be cleaned using only a soft cloth and washing up liquid.

! DO NOT USE ABRASIVE CLEANERS.

To reduce the requirement for chemical descaling in hard water areas, the shower heads incorporate rub clean teats. Any scale build up that may occur in any of the holes can be broken down by gently rubbing the flexible tips of the jets during use.

Should chemical descaling of the head become necessary, remove the shower head and fully immerse in a mild proprietary descalent.

IT IS IMPERATIVE THAT DESCALING IS CARRIED OUT STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. SUBSTANCES THAT ARE NOT SUITABLE FOR PLASTICS AND ELECTROPLATED SURFACES MUST NOT BE USED.

Midas range commissioning

The Midas product range is pre-set to a safe maximum shower temperature. Should it be necessary to reset the maximum temperature position, please observe the following procedure.

We recommend the MAXIMUM outlet temperature is set to 46^{0}C.

1. Ensure that the hot water system is at normal maximum temperature.
2. Turn the temperature control knob to the mid-blend position (with the button at the top of the knob).
3. Carefully remove the end cover cap using a small flat bladed screwdriver if necessary.
4. Remove the central fixing screw, pull the knob clear and set aside.
5. Turn the shower on.
6. Remove the temperature graphic ring and using a digital thermometer to record the outlet temperature of 38˚C, replace the temperature graphic ring into the required position. **We recommend the MAXIMUM outlet temperature is set to 46^{0}C.**
7. Turn the shower off.
8. Refit the knob, secure the fixing screw and replace the knob end cap.

! Should unacceptable damage to the temperature knob end cap occur when removing it from the temperature knob, please contact Aqualisa customer service on 01959 560010 to arrange a replacement.

Trouble shooting guide

Symptom	Possible cause	Action
Water output is either all hot or all cold, or cold only	Reversed inlet supplies	Check that the supplies correspond with the inlet markings
Water output is not hot enough	The temperature of the hot water cylinder is too low	The cylinder temperature should be at least 15˚c hotter than the blend
	Water flow through the hot water appliance is too fast	Check the flow rate recommendations with the heater manufacturer
	Water flow through the hot water appliance is too fast (Bath/shower mixers on combination boiler systems)	Adjust the flow control knob on the mixer valve to reduce flow until a comfortable showering or bathing temperature is achieved
Flow rate is poor and water temperature is low	Airlock in the hot water supply	Check that the pipe work is laid out in accordance with correct practices, paying particular attention to potential air-traps
Water temperature swings regularly between hot and cold	Cold water pressure is too high	If the static water pressure exceeds 10 bar, install a pressure reducing valve (PRV) in accordance with the installation guide
	The flow regulator, or the correct flow regulator has not been fitted (Combi boiler systems)	Fit the relevant flow regulator
Poor flow rate	Twisted hose Debris in shower head Debris in filters Debris in hot inlet flow regulator (combi boiler systems)	Check for debris and clear as necessary

Guarantee

Scope

The Midas range exposed shower valves and bath/shower mixers are supplied complete with a 5 year guarantee. The Midas range adjustable shower head systems are supplied complete with a 2 year guarantee. If a defect that can be attributed to faulty design, materials or workmanship should arise with the product within the stated guarantee period; the unit will be repaired or replaced at our discretion free of charge.

Limitations and exclusions

This guarantee does not cover any damage or defects arising as a result of:

a) normal wear and tear. b) wilful damage. c) negligence or mis-use or use other than for normal domestic* purposes or use in abnormal conditions. d) failure to follow instructions whether in installation or operation. e) accident. f) careless handling. g) modifications or alterations or servicing or repair other than by an authorised Aqualisa service engineer. h) this guarantee is only valid and enforceable for equipment purchased and used exclusively in the UK and the Republic of Ireland.

In the event of a product fault please contact Aqualisa customer services department on: 01959 560010. Please ensure you have your proof of purchase to hand.

How to make a claim

To make a claim you must:

a) have paid for the product in full and have a valid invoice specifying the sources and date pf purchase.

b) Be the original purchaser of the product.

Note: Aqualisa should be contacted in the first instance relating to in-warranty products. Reimbursements for replacement products and associated costs will not be made. This guarantee is additional to and does not affect your statutory rights.

The original proof of purchase is required to make a claim under the terms of the warranty.

*Non-domestic application, i.e. sports clubs, leisure centres, hotels and business premises.

AQUALISA

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