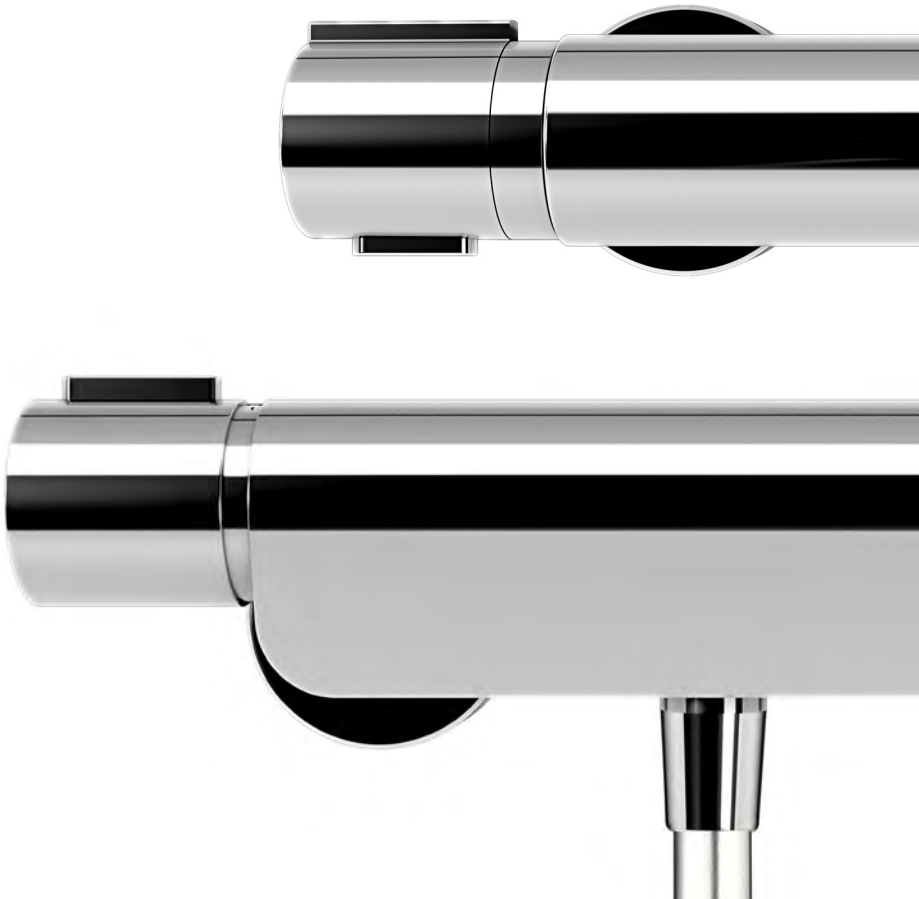
AQUALISA®

MIDAS™ 110 AND 220

INSTALLATION GUIDE



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Important information

INTRODUCTION

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

In the event of any product problems, please contact the Aqualisa customer helpline on 01959 560010 for assistance.

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 shower valves are suitable for gravity stored, gravity boosted, balanced high pressure and combination boiler systems.

Pressure range 0.1 –10 bar max (static).

Midas shower column and bath/shower mixer products are suitable for balanced high pressure, combination boiler and boosted gravity systems.

Pressure range 1.0 –10 bar max (static).

Note: 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.

CONNECTION TO SUPPLIES

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 pipework 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.

Isolation valves

Suitable full bore 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 boosted gravity 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 SYSTEMS

The Midas 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. Refer to diagram on page 8 ref point A or B.

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 65ºC 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 8.

Pump installation

UNDER NO CIRCUMSTANCES MUST A PUMP BE FITTED DIRECTLY TO THE WATER MAIN UNLESS SPECIFIED BY THE PUMP MANUFACTURER.

PLEASE REFER TO THE MANUFACTURERS PUMP INSTALLATION GUIDE FOR PUMP INSTALLATION INFORMATION.

A pump must only be used to boost the pressure from the tank-fed supplies, a typical layout is shown on page 8.

A minimum 1 bar twin ended booster pump may be fitted with **most*** Midas products, we recommend a twin ended boost pump larger than 1 bar is used.

Due to the characteristics of the bar valve and particular site conditions, a standard twin ended pump may not be suitable due to insufficient flow to activate the pump's flow switches*.

***SPECIAL NOTES FOR SHOWER COLUMNS (MIDAS SC MODELS) & LOW FLOW / MINIMAL HEAD APPLICATIONS:**

A **universal type twin ended pump** (works in both positive and negative head conditions) is required in the below circumstances:

Shower Columns (Midas SC models) – with fixed heads where the head distance is less than 1.25m and not sufficient to activate the flow switches of a standard pump.

Low gravity flow – due to restrictions, pipe runs or where the head of water is below the minimum 1m (fixed heads 1.25m).

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 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 9.

COMBINATION BOILER SYSTEM

The Midas 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.

For pressure refer to page 5.

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 9.

When fitted to combination boiler systems, Midas shower valves have been designed to give optimum temperature control and stability from fully modulating combination boilers and instantaneous gas water heaters.

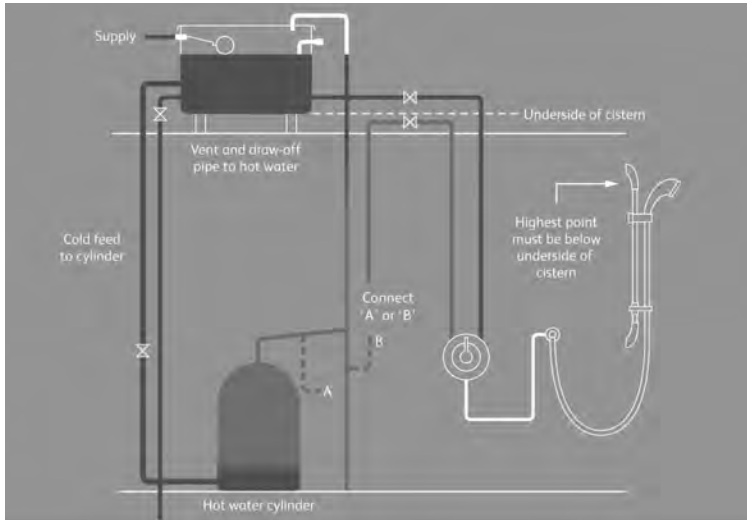
If temperature adjustment is required, refer to cartridge adjustment instructions on page 32.

TYPICAL GRAVITY SYSTEM INSTALLATION

(suitable for use with Midas 110/220 shower valves)

Head to be 1m minimum

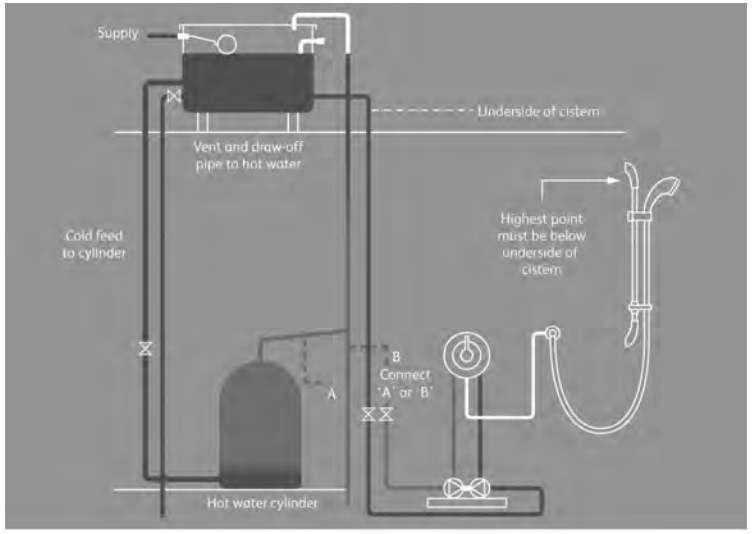
Refer to page 6 (siting)



TYPICAL GRAVITY BOOSTED SYSTEM INSTALLATION

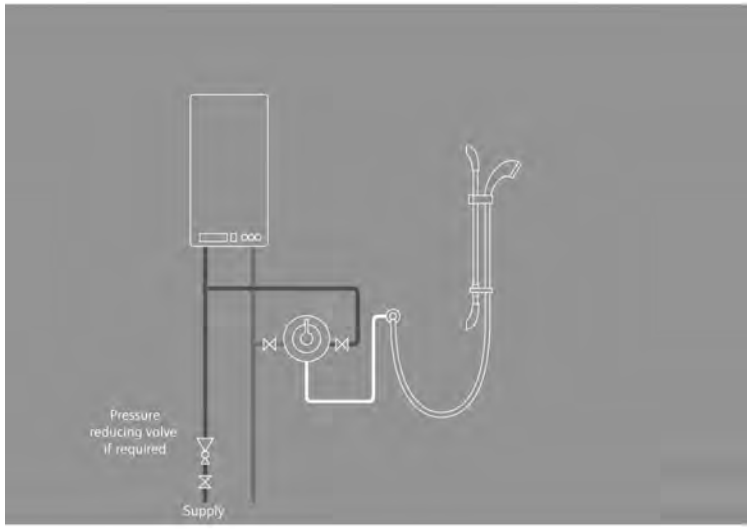
(suitable for use with all Midas valves)

Refer to special notes on page 6*



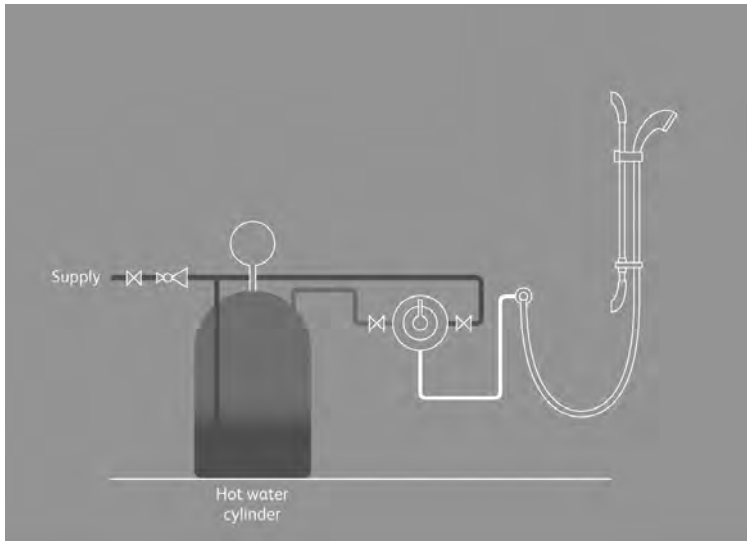
TYPICAL COMBINATION BOILER SYSTEM INSTALLATION

(suitable for use with all Midas valves)



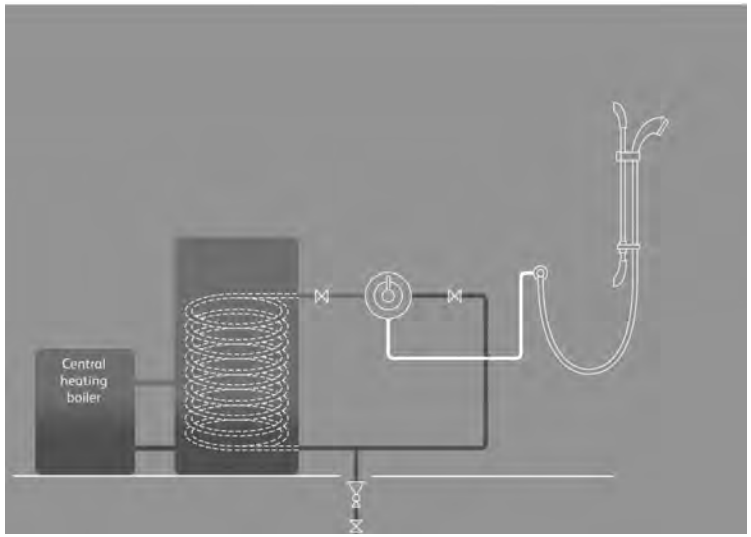
TYPICAL UHW SYSTEM INSTALLATION

(suitable for use with all Midas valves)



TYPICAL THERMAL STORAGE UNIT SYSTEM INSTALLATION

(suitable for use with all Midas valves)



MIDAS COMPONENTS

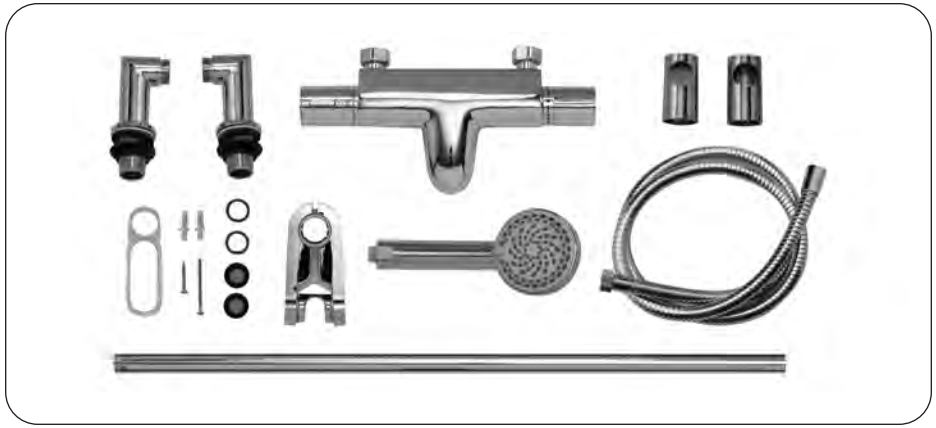
Midas 110 shower



Midas 110 shower column



Midas 110 bath shower mixer



MIDAS COMPONENTS

Midas 220 shower



Midas 220 shower column



Midas 220 bath shower mixer



Midas Shower Installation

INSTALLATION INSTRUCTIONS

In addition to the guide below it is essential that the written instructions 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.

The BAR001FIX bar valve fixing kit provided with Midas 110/220 shower 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 and proceed to step 6.

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

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 valve. Please refer to page 14 for recommended thread depths information.



1

Eccentric elbows are provided to allow for inlet pipework adjustment between 130mm – 170mm centres. Construct suitable connections terminating in ½" BSP female fittings.

All eccentric elbows provided convert from ¾" to ½".



When using the eccentric elbows provided we recommend leaving sufficient threads from the finished wall surface, after the cover plates have been fitted, to ensure adequate purchase for the exposed valve. If using alternative fixings, please refer to the installation instructions provided to ensure adequate threads are left to connect the exposed valve after the cover plates have been fitted to the finished wall surface.

RECOMMENDED THREAD DEPTH CHART

MD110	**Eccentric fittings from finished wall surface**	**MIN 23mm - MAX 25mm**
MD220	**Eccentric fittings from finished wall surface**	**MIN 30mm - MAX 32mm**
EASY FIT BRACKET	**From finished wall surface**	**MIN 20mm - MAX 25mm**

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 or dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

IMPORTANT: We recommend to apply a suitable sealant around the connectors to stop water entering the wall.

5

Place the cover plates onto the exposed ¾" threads, flush with the finished wall surface and apply a thin bead of mastic if required.

The cover plate may vary from the image shown.



Image shows 220 cover plates

6

Ensuring the filtered rubber inlet washers are positioned within the valve inlets, offer the valve into position. Tighten the fixing nuts using a suitable tool taking care not to over tighten.

We recommend the rubber filter washers should be used.



Image shows 220 shower valve

7

Ensuring the hose washer is in place, 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.



Image shows 220 shower valve

110/220 Adjustable Height Head Installation

INSTALLATION INSTRUCTIONS

1

Drill and prepare two fixing points between 520mm (minimum) and 830mm (maximum) apart using the fixings provided, if suitable.



The top rail end bracket can be adjusted to suit existing screw holes in the finished wall, by sliding the bracket up or down the rail to suit the required position.

2

Dependent on the model purchased, depress the single release button or the side levers of the handset holder and slide onto the rail assembly. Ensure the handset holder is in the correct orientation.





3

Carefully slide the gel hook onto the rail under the handset holder.

Current Water Supply Regulations state that 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 must be passed through the gel hook which has been designed to be utilised as a hose restraint.

4

Secure the top rail bracket into position using the fixings provided, if suitable.



5

Slide the rail assembly up through the top rail end bracket.



6

Align the small hole in the rail with the bottom rail end fixing point. Secure the rail assembly to the wall, using the fixings provided, if suitable, taking care to not over tighten.

7

Place the rail end caps into the rail ends and push firmly into position.



8

Pass the hose through the gel hanger. Connect the longer conical connection to the shower head and connect the shorter conical connection to the valve.



9

Shower head attachment

Ensuring the hose washers are in the correct position, depress the anti-swivel locking button on the handset and secure the handset to the hose. Place the handset into the handset holder.



Midas Shower Column Installation

INSTALLATION INSTRUCTIONS

SHOWER COLUMN PREPARATION

Prior to commencing, measurements must be made in preparation for fitting the shower column. Ensure that the shower will be in a comfortable position for all users and the shower column fits within the height restrictions of the proposed siting. A minimum clearance of 1.2m* is required.

***Measured from the top of the bar valve to the top of the arm.**

The maximum height for the handset holder is limited to the bottom of the rail bracket.

In addition to the guide below it is essential that the written instructions 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.

The BAR001FIX bar valve fixing kit provided with Midas 110/220 shower column 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 and proceed to step 6.

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

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 valve. Please refer to page 14 for recommended thread depths information.



1

Eccentric elbows are provided to allow for inlet pipework adjustment between 130mm – 170mm centres. Construct suitable connections terminating in ½" BSP female fittings.

When using the eccentric elbows provided we recommend leaving sufficient threads from the finished wall surface, after the cover plates have been fitted, to ensure adequate purchase for the exposed valve. If using alternative fixings please refer to the installation instructions provided to ensure adequate threads are left to connect the valve after the cover plates have been fitted to the finished wall surface. Please refer to page 14 for recommended thread depths information.

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 or dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

IMPORTANT: We recommend to apply a suitable sealant around the connectors to stop water entering the wall.

5

Place the cover plates onto the exposed ¾" threads, flush with the finished wall surface and apply a thin bead of mastic if required.

The cover plates may vary from the image shown.



Image shows 220 cover plates

6

Ensuring the filtered rubber inlet washers are positioned within the valve inlets, offer the valve into position. Tighten the fixing nuts using a suitable tool taking care not to over tighten.

We recommend the rubber filter washers should be used.



Image shows 220 shower column valve

7

Attach the wall fixing bracket to the riser rail connector.



8

Attach the fixed riser arm to the riser rail connector rotating the riser rail until it tightens. Using the hexagonal key supplied tighten the grub screw in the wall fixing bracket to secure the riser rail connector.



9

Position the riser rail assembly onto the mixer valve outlet ensuring the washer is in place. Tighten the fixing nut hand tight.



10

Ensuring the riser rail assembly has been correctly positioned and attached to the mixer valve, mark the position of the wall fixing bracket. Remove the riser rail assembly from the valve and remove the wall fixing bracket assembly from the riser rail assembly.



11

Place the wall fixing plate into position and mark and prepare the fixing points using the fixings provided, if suitable. Secure the wall fixing bracket to the wall using the screws provided, if suitable.



12

Ensuring the fixed head washer is in place, carefully screw the shower head to the fixed riser arm taking care not to damage the plated surface. Carefully tighten the shower head with a suitable tool taking care not to overtighten.



13

Dependent on the model purchased, depress the single release button or the side levers of the handset holder and slide onto the rail assembly. Ensure the handset holder is in the correct orientation.





14

Re-position the riser rail assembly onto the mixer valve outlet. Tighten the fixing nut using a suitable tool, taking care not to overtighten.



15

Carefully position the riser rail connector so it engages into the wall fixing bracket and secure via the grub screw on the bottom wall fixing bracket using the hexagonal key provided.



16

Ensuring the hose washer is in place, attach the hose to the hose outlet, taking care not to overtighten. Turn the shower on towards the wall 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. This process can also be repeated for the fixed head by adjusting the control knob away from the wall.



17

Shower head attachment

Ensuring the hose washers are in the correct position, depress the anti-swivel locking button on the handset and secure the handset to the hose. Place the handset into the handset holder.



Midas Bath Shower Mixer Deck Mount Installation

INSTALLATION INSTRUCTIONS

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 filtered rubber inlet washers are positioned within the valve inlets, offer the valve into position. Tighten the fixing nuts using a suitable tool taking care not to over tighten.

We recommend the rubber filter washers should be used.



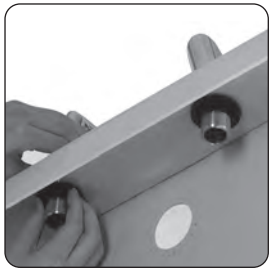
2

Place the rubber deck 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 and attach the hose, ensuring the hose washer is in place.

6

Follow the Midas 110/220 adjustable height head installation on page 16 to complete the installation.

If required, refer to the commissioning instructions on page 32 to adjust the maximum temperature override button position.

Midas Bath Shower Mixer Wall Mount Installation

INSTALLATION INSTRUCTIONS

In addition to the guide below it is essential that the written instructions 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.



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. Please refer to page 14 for recommended thread depths information.



The BAR001FIX bar valve fixing kit accessory is available separately, to provide 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.

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 (available separately from Aqualisa customer services, part no. 525301 (Midas 110), part no. 910549 (Midas 220).

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 or dust ingress into the pipe work during the making good process. Remove the caps prior to connecting the shower valve.

IMPORTANT: We recommend to apply a suitable sealant around the connectors to stop water entering the wall.

4

Inlet pipe cover plates are available separately from Aqualisa customer services, supplied with part no. 525301 (Midas 110), part no. 910549 (Midas 220) or complete with the easy fit fixing bracket (not supplied). 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 filtered rubber inlet washers are positioned within the valve inlets, offer the valve into position. Tighten the fixing nuts using a suitable tool taking care not to over tighten.

We recommend the rubber filter washers should be used.



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 and attach the hose, ensuring the hose washer is in place.

7

Follow the Midas 110/220 adjustable height head installation on page 16 to complete the installation.

If required, refer to the commissioning instructions on page 32 to adjust the maximum temperature override button position.

Midas Range User Guide

VALVE

1 Temperature control

Left side control knob as viewed from the front

The valve is in the mid blend position when the temperature override button is at the top. The shower's outlet temperature may vary to the indicator, depending on the temperature of the incoming supplies. Using the temperature markings as a guide, depress the temperature override button and slowly rotate the knob towards the wall to increase the temperature and away from the wall to decrease the temperature.



NOTE: SHOULD IT BE NECESSARY TO RESET THE MAXIMUM TEMPERATURE POSITION, PLEASE REFER TO THE COMMISSIONING INSTRUCTIONS ON PAGE 32.

We recommend the MAXIMUM outlet temperature is set to 46°C.

2 Shower On/Off/Flow control

Right side control knob as viewed from the front

Turn the valve on by carefully rotating the flow control knob away from the wall until the required volume of flow is reached. Turn the valve off by rotating the flow control knob towards the wall until a stop is reached.



NOTE: WITH ALL MIDAS VALVES 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.

3 110 Shower Column & BSM On/Off/Flow/divert

Right side control knob as viewed from the front

Turn the valve on by rotating the control knob away from the wall to operate the fixed head/bath filler, or towards the wall to operate the adjustable height head. Turn the valve off by rotating the control knob to the centre until a stop is reached and the nodule is pointing upwards.

4 220 Shower Column & BSM/On/Off/Flow/divert

Right side control knob as viewed from the front

Turn the valve on by rotating the control knob towards the wall to operate the fixed head/bath filler, or away from the wall to operate the adjustable height head. Turn the valve off by rotating the control knob to the centre until a stop is reached and the nodule is pointing upwards.

SHOWER HEAD

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

To move the head up and down, dependent on the model purchased, depress the single release button or the side levers of the handset holder and slide onto the rail assembly. Ensure the handset holder is in the correct orientation.





Angular adjustment is made by carefully but firmly pulling forwards, or pushing back the shower head.



2

3 Rotate the spray plate lever clockwise or anti-clockwise to select the desired spray pattern.



NOTE: WHEN THE LEVER IS IN THE 3 O'CLOCK POSITION WHEN VIEWED FROM BELOW, THE WATER SAVING MODE IS SELECTED. THIS PROVIDES THE SAME SPRAY PATTERN AS POSITION 3, BUT, DEPENDING ON WHICH WATER SYSTEM THE PRODUCT IS FITTED TO, OFFERS UP TO 25% WATER SAVING.

CLEANING & MAINTENANCE

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

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

Whilst modern plating and coating techniques are used in the manufacture of these fittings, the coating will wear if not cleaned properly. The safest way to clean your product is to wipe with a soft damp cloth. Stains can be removed using washing up liquid.

DO NOT USE: Scouring pads, abrasive cloths or cleaners and cleaning agents that contain acids or bleach.

LIMESCALE

Rub the nozzles of the shower head to break down scale build up. Should chemical descaling of the head become necessary, remove the shower head fully and immerse in a mild proprietary descaler.

PRESERVING YOUR WARRANTY

Upkeep and Cleaning of your shower valve.

A build-up of limescale and soap deposits have an impact on the aesthetics and working components of the shower valve, these are not covered under the terms and conditions of the warranty.

Follow the below guidelines to ensure your product remains in good working order and is covered under guarantee.

Customer cleaning guide

Action	Reason	Frequency
Turn temperature knob fully forward and fully backward 2-3 times.	Exercises cartridge to free scale build up.	At least once a week.
Turn on/off knob to on position and off position 2-3 times.	Exercises cartridge to free scale build up.	At least once a week.
De-press temperature override button 2-3 times.	Frees up scale build up.	At least once a week.
Apply plant based/non-bleach based cleaner to all surfaces and work into moving parts.	Removes scale build/ provides a protective layer	At least once a month
Wipe dry bar valve, shower hose and head with microfibre cloth	Removes residual water which reduces build up	After every shower

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°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 valve on.

6. Using a digital thermometer, adjust the temperature control to the required MAXIMUM temperature setting. We recommend the MAXIMUM outlet temperature is set to 46°C.

Adjust the temperature by small movements of the central spline hotter or colder as required.
One spline adjustment is approximately 2°C.
If required, rotate one spline at a time and check outlet temperature.
Note: for factory settings markings are aligned, see image 1.



Image 1.



Image 2.

7. Turn the valve off.

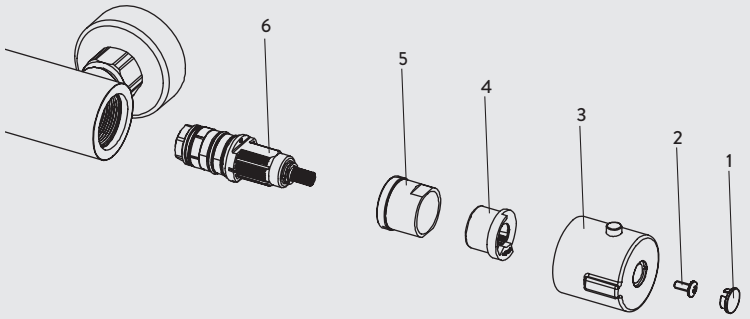
8. Ensuring the temperature override button is pushed in, replace the knob onto the valve in the mid blend position.

9. Secure the knob to the valve and refit the knob insert. 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.

GENERAL MAINTENANCE

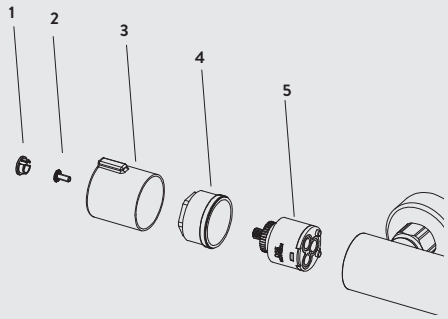
Cleaning the thermostatic cartridge

1. Before carrying out any maintenance, ensure the water supplies are isolated. Once isolated, turn the shower on to release internal pressure. If unsure contact a qualified tradesman.
2. Carefully remove the cap (1), loosen the screw (2), then remove the temperature knob (3).
3. Note the position of the temperature override stop and thermostatic cartridge before removal as they must be refitted in the same position. Once noted, remove the temperature override stop (4) from the cartridge. Remove the retaining nut (5) using a suitable spanner, remove and clean the thermostatic cartridge (6) rinsing thoroughly under cold water to remove any build up of limescale or debris.
4. If necessary, replace the cartridge. A replacement cartridge can be obtained by contacting customer service on 01959 560010.
5. Refit the cartridge (6) into the bar valve body, tighten the retaining nut (5) using a suitable spanner and refit the temperature override stop (4).
6. Refit the temperature knob (3) by depressing the temperature override safety button and carefully pushing the knob into place with the button at the 12 o'clock position. Tighten the screw (2) and fit the cap (1).
7. Reinstate the water supply and ensure there are no leaks.



Cleaning the on/off divert headworks (image overleaf)

1. Before carrying out any maintenance, ensure the mains water supply is isolated. Once isolated, turn the shower on to release internal pressure. If unsure contact a qualified tradesman.
2. Carefully remove the cap (1), loosen the screw (2), then remove the control knob (3).
3. Using an suitable spanner, unscrew the brass retaining nut (4), then remove the On/Off Divert headworks (5).
4. Clean the headworks by rinsing thoroughly under cold water to remove any build up of limescale or debris.
5. If necessary, replace the On/Off Divert control headworks. A replacement can be obtained by contacting customer service on 01959 560010.
6. Refit the headworks ensuring the locating lugs align correctly, then screw on the retaining nut - hand tight then nip up using a suitable spanner. DO NOT OVERTIGHTEN.
7. Re-fit the control knob (3). Tighten the screw (2) and fit the cap (1).



8. Reinstate the water supply and ensure there are no leaks.

Inlet filters

The product is protected by inlet filter washers. It is suggested that filters are checked by a competent person at least every 12 months.

TROUBLE SHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	ACTION
Water output is either all hot or all cold, or cold only	Reverse 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 (If fitted on a combination boiler)	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 (gravity or pumped systems only)	Check the pipework 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
Poor flow rate	Twisted hose Debris in shower head Debris in filters	Check for debris and clear as necessary

TROUBLE SHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSE	ACTION
Stiff to operate - Temperature knob	Scale build-up on internal thermostatic cartridge	Run shower and rotate the temperature control knob from full hot to full cold. See Cleaning and Maintenance section (page 31) Remove cartridge and clean. See General Maintenance section (page 34)
Stiff to operate – On/Off	Build-up of scale deposits due to shower not being used regularly	Run shower and rotate the on/off control knob from closed to fully open (back and forth) See Cleaning and Maintenance section (page 31)
	Build-up of scale deposits due to shower not being used regularly	Remove headworks and clean. See General Maintenance (page 34)
Temperature override button stiff	Build-up of scale and soap deposits	Use non bleach-based cleaning agent and spray into area of the override button, allow to penetrate and then depress override button several times to loosen the mechanism. See Cleaning and Maintenance section (page 31) Remove control knob and clean inside, silicone grease can be applied to the internal mechanism (page 34) Replace control knob – call customer service team to order a replacement.

NOTES

NOTES

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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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