

71mm

70mm

69.75mm

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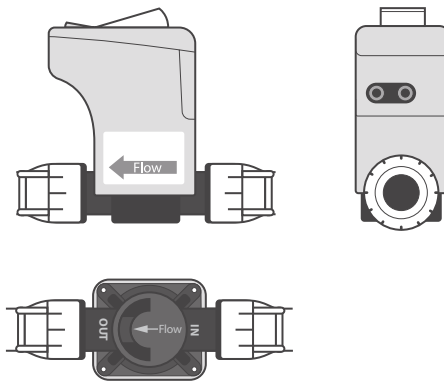
Waterlock

valve installation



welcome

to the installation and operating instructions for the **Waterlock Valve**



Flow direction on side and base of valve.

Features and requirements

	15/RPL	22/RPL
Push fit	✗	✗
Compression fit		
15x15 Copper/Plastic	✗	
22x22 Copper/Plastic		✗
Stop valve	✗	✗
Service valve		
Remote switch	✗	✗
Valve switch	✗	✗
Min bar @ all temps	0	0
Max bar @ 23°C	10	10
Max bar @ 60°C	3	3

get in touch

For any additional help and support please send us an email at XXXX@geotogether.com



1 Existing water supplies

A - The Waterlock products can all be used as direct replacements for the existing stop valve. It is however often easier to leave the existing valve in situ and fit Waterlock after.

B - Header Tank Supply: A 4M head of water is required for operation from a tank fed supply

2 IMPORTANT! The tubing must be routed so that contact with hot pipes and surfaces is avoided, also routing through enclosed spaces must have adequate ventilation in order to avoid excessive temperatures which can result in premature ageing of the tubing.

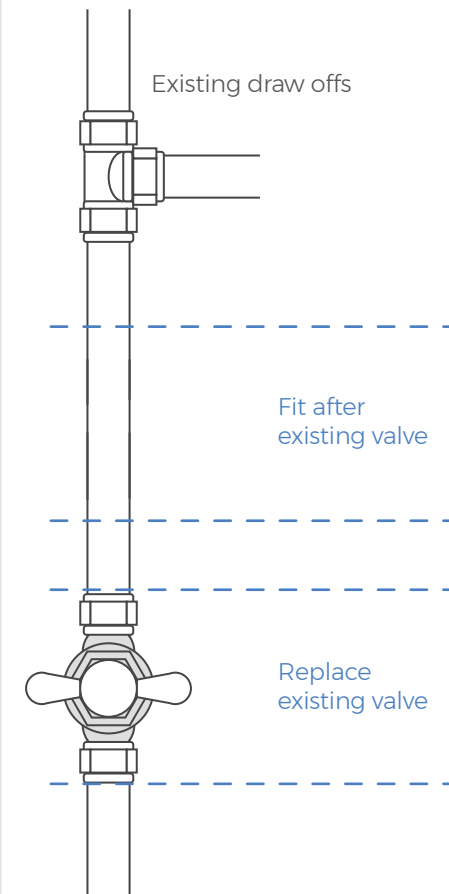
3 When fitted into cupboards etc access to the Valve for operation and possible future maintenance must be provided.

⚠ EARTH CONTINUITY There will be instances where the Earth Continuity of the property is reliant on the the incoming mains pipe work. The installation of Waterlock into the pipe work may therefore compromise the Earth Continuity as Waterlock is of all plastic construction. In such circumstances the pipe work should be bonded across the Waterlock valve. If there is any doubt cross bonding should be carried out as a precautionary measure. The means of cross bonding should be in accordance with the current edition of the IEE (Institute of Electrical Engineers) regulations.

Fitting the Valve

The Waterlock Valve can be fitted as a direct replacement for a new or existing stop valve (**A**) or fitted after the existing stop valve (**B**).

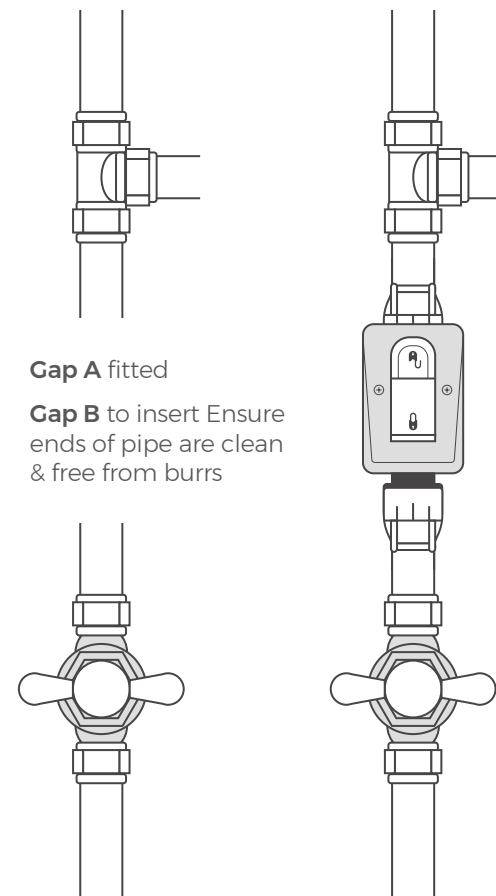
PUSH FITTING		
PRODUCT	GAP A FITTED	GAP B TO INSERT
15mm	34.0	88.0
22mm	53.0	117.0



Main supply IN. Max pressure 10 Bar.
Turn OFF before fitting.

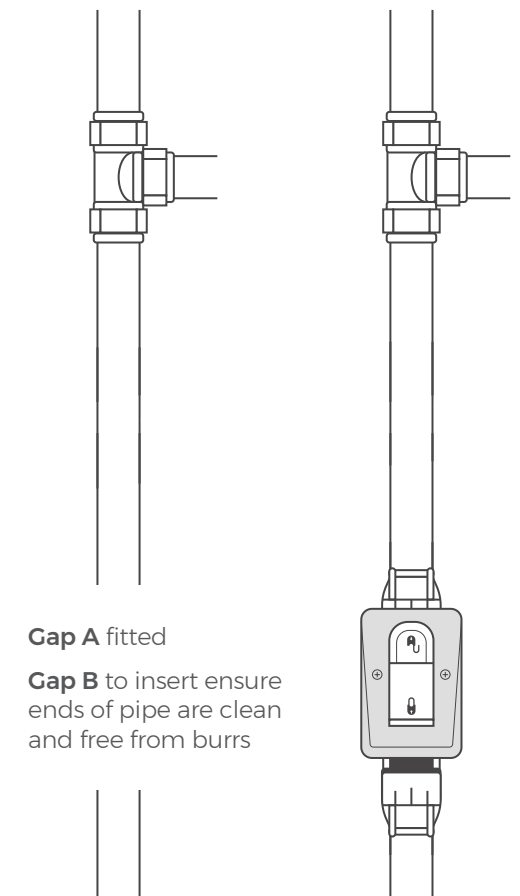
A. Fitting after the valve

NOTE - the tubing is pre connected to the Waterlock Valve



For both Waterlock push fit Valves it is essential that O/D of the pipe is free from paint or any other material for **25mm (15mm Valve)** or **35mm (22mm Valve)** from the cut end.

B. Replacing existing valve



The Waterlock Valve is shown in the vertical position for illustrative purposes. It can be fitted in any orientation provided that the direction of flow is in the direction shown on the Valve

69.75mm

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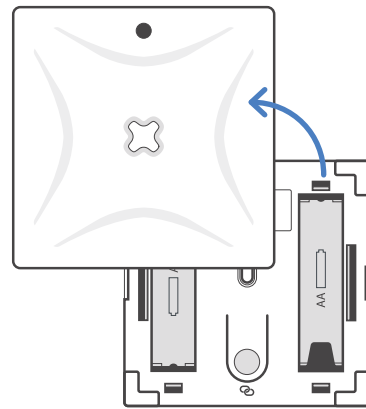
69.75mm

70mm

71mm

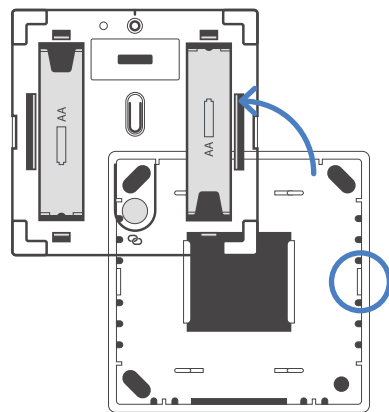
Fitting the Controller

1



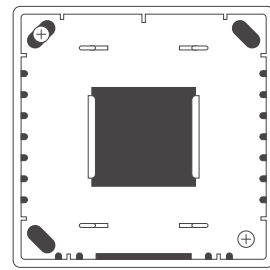
Unsnap cover from surface box

2



Unsnap battery assembly from the surface box by pulling out clips from sides of surface box (circled).

3



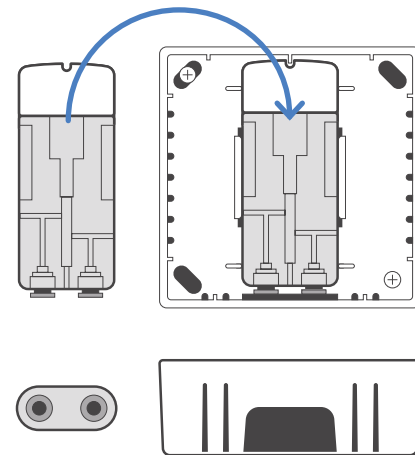
Use the pre-fixed self adhesive pad to attach the surface box to the chosen surface. The surface should be clean and free from dust and grease.

Alternatively use suitable No6 pan head screws to fix in place.



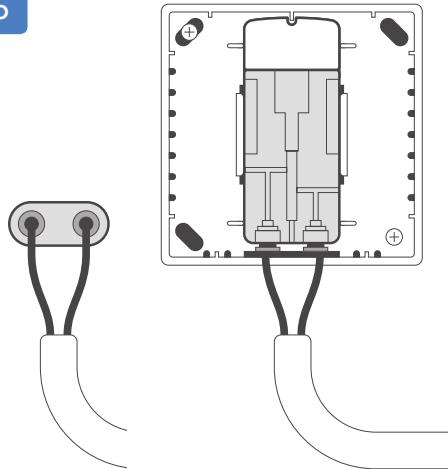
The surface to which the controller is to be fixed must be flat to prevent distortion and possible malfunction.

4



Clip the Control Module into the bracket inside the surface box ensuring holes are towards the hole at the base of the box.

5



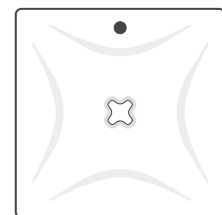
Fit the tubes into the push connections of the control module.



Avoid direct contact with hot pipes and surfaces.



After checking all joints, see commissioning instructions before turning water back on.



Loose tubing can be clipped by using 2.5mm flat twin and earth cable clips.

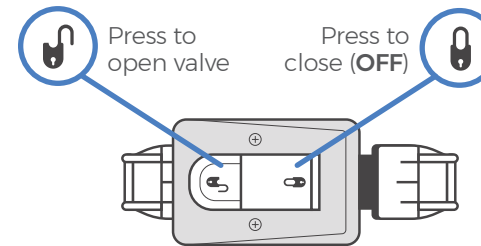
2m push-fit, twin bore tubing is supplied to connect switch to valve. Can be hidden or surface mounted.

If it is intended to lay the pipework or tubing into concrete or masonry, conduit pipe with access boxes for the fittings must be used. This is in accordance with Water Regulations scheme 2.7 & BS8000

Operating and testing

Switching at the Valve

- 1 The rocker switch on the valve enables the valve to turn off the water at pressures between 0 & 10 bar.
- 2 Press the Lock symbol to close the valve (water OFF), press the unlock symbol to open the valve (water ON)



Switching at the Valve Controller

- 1 The Controller enables the valve to turn OFF the water at pressures between 0.5 & 10 bar.
- 2 Press the button on the Controller to cycle the water on and off. The motor operation can be heard and LED observed to confirm operation.

NOTE - Once water is flowing, both switches must be in the ON position for water to flow.

Commissioning

- 1 Press the Valve rocker to the OFF position and open the nearest cold water outlet.
- 2 Slowly turn the water supply back on, there may be a short burst of water at the open outlet, the water will turn off almost immediately. Press the rocker OFF and ON several times to check function and leave in the ON position. Also check for leaks.
- 3 After commissioning, cycle the Valve Controller to ensure motor operation and Valve closure.

Installation summary

Push fitting

- 1 Turn off the water supply.
- 2 **A - Fitting after an existing stop valve:** For the 15mm Valve, remove a 34mm section of pipe. For the 22mm Valve, remove a 53mm section of pipe. This should be after the stop valve and before any draw off. There should be sufficient movement to increase the gap to 88mm (for 15mm valve) or 117mm (for 22mm valve) to allow easy insertion.

Ensure that the ends of the pipe work are clean cut & free from burr, fraze, paint etc for 25mm (15mm valve) or 35mm (22mm valve).

Push the Waterlock Valve onto the pipe ends, ensure there is full engagement into the valve & that the direction of flow is correct. Lubrication of the ends of the pipe will assist - use approved lubricant.

B - Replacing the stop valve: Remove the existing stop valve.

For the 15mm Valve, remove a 34mm section of pipe. For the 22mm Valve, remove a 53mm section of pipe - adjust & or replace pipe work to suit. There should be sufficient movement to increase the gap to 88mm (for 15mm valve) or 117mm (for 22mm valve) to allow easy insertion

Ensure that the ends of the pipe work are clean cut & free from burr, fraze, paint etc for 25mm (15mm valve) or 35mm (22mm valve).

Push the Waterlock valve onto the pipe ends, ensure there is full engagement into the valve and that the direction of flow is correct. Lubrication of the ends of the pipe will assist - use approved lubricant

Valve Controller

- 1 Determine the position of the valve control switch and routing of the tubing. The switch can be up to 2 metres from the valve body.
- 2 **DO NOT** shorten the tubing until it has been routed between the switch and the valve.
- 3 Use the self adhesive pad provided to fix the back box in place. Alternatively use 2 x No 6 pan head or round head screws. The length and type of screw must suit the surface material that you are screwing into.

NOTE - the opening in the the sidewall requires sufficient space to route the tubing into.

- 4 Install the valve control module into the back box by clipping it into place. The two 4mm push fit connections must align with the opening in the back box sidewall.
- 5 Push the ends of each tube into the 4mm connections of the module ensuring they are fully in (14mm).

6 Connect the electrical connector from the module to the connector on the circuit board. Clip the battery housing plate into place, ensuring that the alignment guides are together.

7 At the valve remove the excess tubing as required, leaving about 200 to 300 mm more than needed and bare the tubing to a min length of 50.0mm.

8 Push each of the tubes into the 4mm push fit connections on the top of the valve ensuring that they are fully in (14.0mm).

9 Install 2x AA batteries into the battery housing. It is recommended that the face plate is not added until commissioning is complete.