

Kit no. 7876573

Installation Instructions

Baxi ASHP pre-plumbed cylinder installation kit

**Suitable for use with 170L, 210L, 250L and 300L
Baxi ASHP pre-plumbed cylinders**

These instructions should be read in conjunction with the cylinder Installation and Service Manual and left with the User when completed.

Please keep these instructions in a safe place.
If you move house please hand them to the next occupier.

1 Kit contents

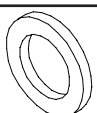
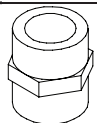
This kit contains additional parts required when installing the Baxi ASHP pre-plumbed cylinder.

The kit also contains some of the parts required if a 2nd zone kit is to be connected to the controller.

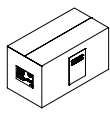
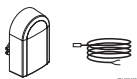
A second zone accessory kit can be ordered from BAXI, part number 7879380 (pump and gate valve)

1.1 Contents of the kit

	Part No.	Qty	Description
7885938 - Primary Flow Connection Kit			
	7850634	1	Heat pump inlet pipe (90° elbow)
	7880805	1	O-ring
	7880966	1	Clip
	7767847	1	28mm straight connector

	Part No.	Qty	Description
7885939 - PRV Connection Kit			
	7875279	1	PRV connection pipe
	7101136	2	Gasket G1/2 AFM 34
	520789	1	Nipple

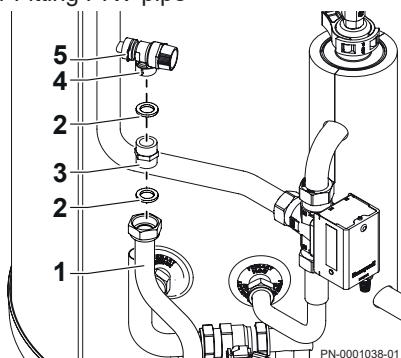
	Part No.	Qty	Description
7885940 - Mains Water Connection Kit			
	40555004	1	Valve Isolating
	7896045	1	Adaptor Straight Compr F 22mm X F 3/4"
	7705041	1	Kit Hose Assembly 3/4" BSP M-F
	47995020	1	Olive Copper 22mm
	06145012	1	3/4 Compression Nut

	Part No.	Qty	Description
	7883105	1	Kit Of Parts Pre-Plumb Large
	7876523	1	User Instructions - Installation Kit
	S100316	1	Outside temperature sensor
No Image Available	7843236	1	Additional Parts Kit

2 Installation

2.1 Fitting PRV pipe connection (7875279)

Fig. 1 Fitting PRV pipe



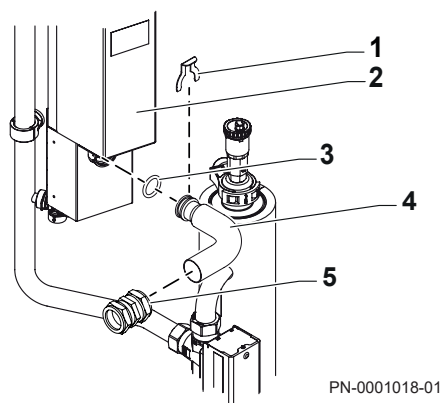
1. Release the clip (5) on the PRV (4)
2. Remove the PRV (4)
3. Insert fibre washer (2) into the PRV (4)
4. Screw nipple (3) in to the PRV (4)
5. Insert fibre washer (2) into PRV pipe (1)
6. Screw PRV pipe (1) on to nipple (3)
7. Insert PRV (4) into fitting on cylinder
8. Insert clip (5) to secure PRV (4)
9. Make up pipework to the PRV pipe (1).

2.2 Fitting the expansion tank connections

1. The expansion tank should be installed as shown on the incoming cold water main supply (3) (see fig.5).
2. Connect the flexible hose (2) to the expansion vessel (1).
3. Connect the other end of the flexible hose (2) to the pipe work between the tundish (6) and the PRV (7).

2.3 Fitting heat pump Inlet pipe (7850634)

Fig. 2 Fitting heat pump inlet pipe



If you are using the 28mm straight connector (5), do the following:

1. Attach the 28mm straight connector (5) to the heat pump inlet pipe (4).
2. Insert the heat pump inlet pipe (4) into the connection on the backup heater.
3. Insert clip (1).
4. Orientate heat pump inlet pipe (4) to required position.
5. Make up pipework to the 28mm straight connector (5).

If you are not using the 28mm straight connector (5) but are soldering the joint, do the following:

1. Insert the heat pump inlet pipe (4) into the connection on the backup heater.
2. Insert clip (1).
3. Orientate heat pump inlet pipe (4) to required position .
4. Make up pipework to the heat pump inlet pipe (4) allowing movement to remove from the backup heater. Allow any pipe soldering to cool.



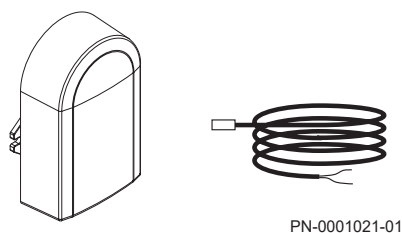
Warning!

At no time should the O-ring be subjected to heat as this can cause damage and possible failure.

5. Release the clip (1).
6. Remove heat pump inlet pipe (4).
7. Install O-ring (3).
8. Insert heat pump inlet pipe (4) into the backup heater connection.
9. Insert clip (1).

2.4 Fitting the outside sensor and cable

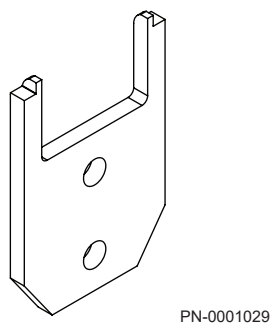
Fig. 3 Outside sensor and cable



See the installation manual supplied with the sensor for connection to the controller.

2.5 Element tool

Fig. 4 Element tool



The element tool is supplied as part of the pre-plumb KOP.

The tool is used to remove the back nut when removing or replacing the heating element in the cylinder.

2.6 Fitting the isolation valve (40555004)

The isolation valve (1) is provided in the pre-plumbed kit of parts (7883105).

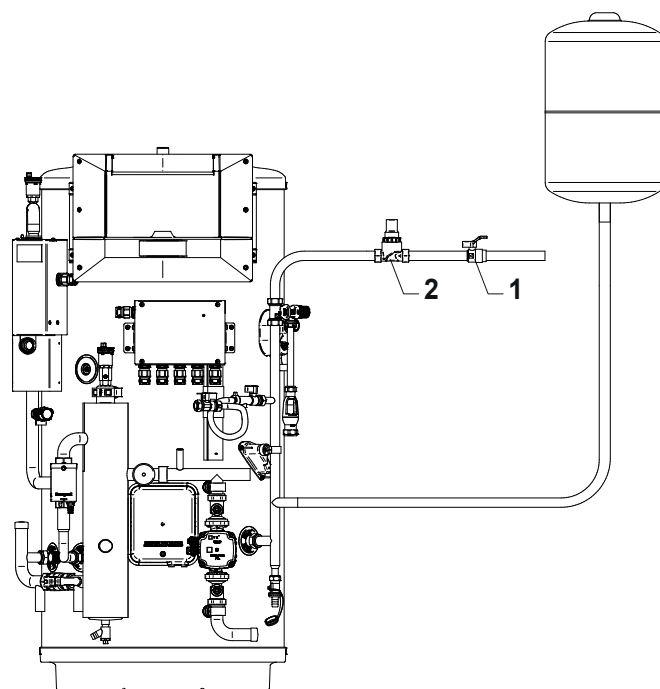
The isolation valve (1) is fitted on the cold water main supply pipework (see fig.5). It should be fitted as close as possible to the cylinder.

2.7 Fitting the pressure reducing valve (40995132)

The 3.5 bar pressure reducing valve (2) (see fig.5) is supplied as part of the pre-plumb kit of parts (7883105).

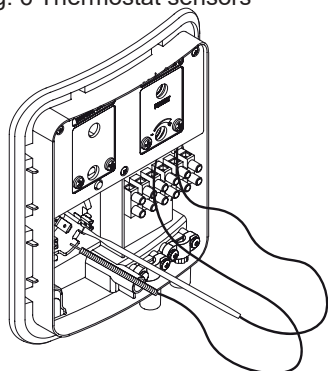
The 3.5 bar pressure reducing valve (2) can be connected anywhere on the cold water cylinder supply. There is no requirement to site it close to the unit. It can be located at a point where the mains supply enters the premises if this is more convenient.

Fig. 5 Installation schematic



2.8 Removing and refitting thermostat sensors (170L cylinder only)

Fig. 6 Thermostat sensors

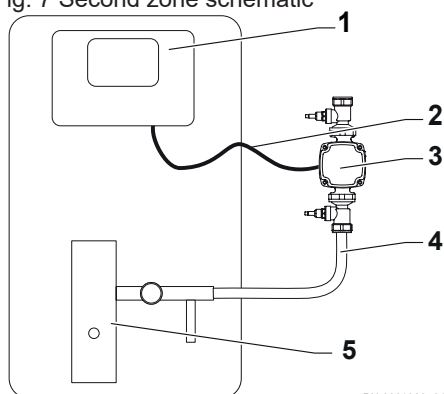


Caution!

If the thermostat sensor probes are removed for any reason, they must be refitted exactly as they were before removal. Incorrect fitting may lead to failure of the sensors

3 Second zone kit (7879380)

Fig. 7 Second zone schematic

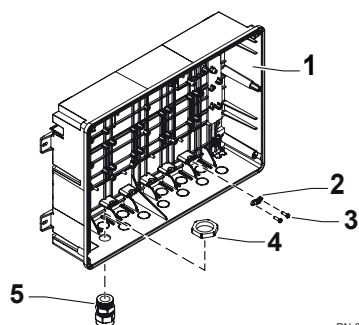


1. If the second zone kit is fitted the power lead (2) must be connected to the controller (1).
2. The pipework (4) must be connected between the second zone outlet on the low loss header (5) and the pump (3).

Note: Ideally the pump must be installed in a convenient location within two metres of the controller.

Note: See installation instructions for positioning of second zone heating sensor. This is supplied in the additional parts kit (7843236).

Fig. 8 Controller fittings



Additional connections need to be made inside the controller.

Ensure the power supply to the controller has been isolated before undertaking any work.

1. Push the cable clamp (5) through the holes in the bottom of the control unit case (1).
2. Screw the cable gland nut (4) on to the cable gland (5) to secure in position.
3. Locate the cable clamp (2) in the correct position on the control unit case (1)
4. Secure the cable clamp (2) with two screws (3). Do not fully tighten the screws until the cables have been fitted.