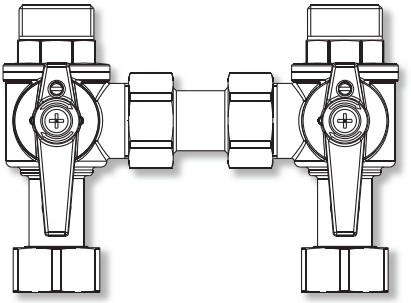
Flushing Bypass Valves with Insulation

H12FBP34

Installation and Maintenance Instructions



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Introduction

The Inta bypass valve kit can be used with Inta HIUs (Heat Interface Units) with a male G¾ thread on the connections to the heat network flow and return pipes with 100mm centres.

This IOM does not include instructions on how and where to mount the HIU and the manufacturer's instructions should be followed.

The bypass valves (left and right configuration) can replace or be instead of the ball isolating valves normally fitted to the HIU.

These instructions cover the installation, operation and maintenance. Please read the enclosed instructions before commencing the installation of this product, please note;

We recommend that the installation of any Inta product is carried out by an approved installer.

It is recommended, especially in hard water areas, that a water softener such as the ActivFlo or ActivFlo lite be fitted to reduce the risk of calcium deposits forming.

Products

Flushing bypass valve with insulation for HIUs	H12FBP34

Bypass Valve Kit Features

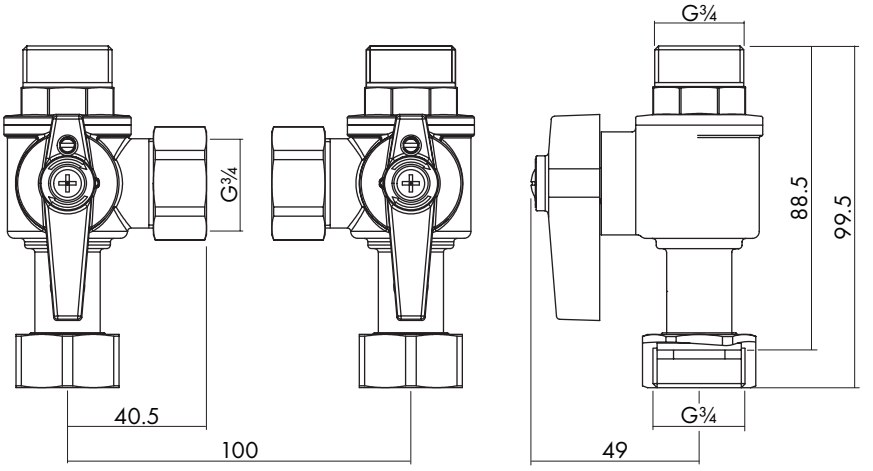
The two bypass valves and central connector incorporate several feature to allow;

- Straight through flow to the flow and return connections of the HIU
- Isolation of the flow to the flow and return connections
- Bypass configuration cutting off the flow to the HIU
- Removable bypass section
- Lockable levers
- Complete insulation jacket

Technical Specification

The bypass valves are compatible with temperatures and pressures of most central heat networks.

Dimensions



Flushing Bypass Requirements

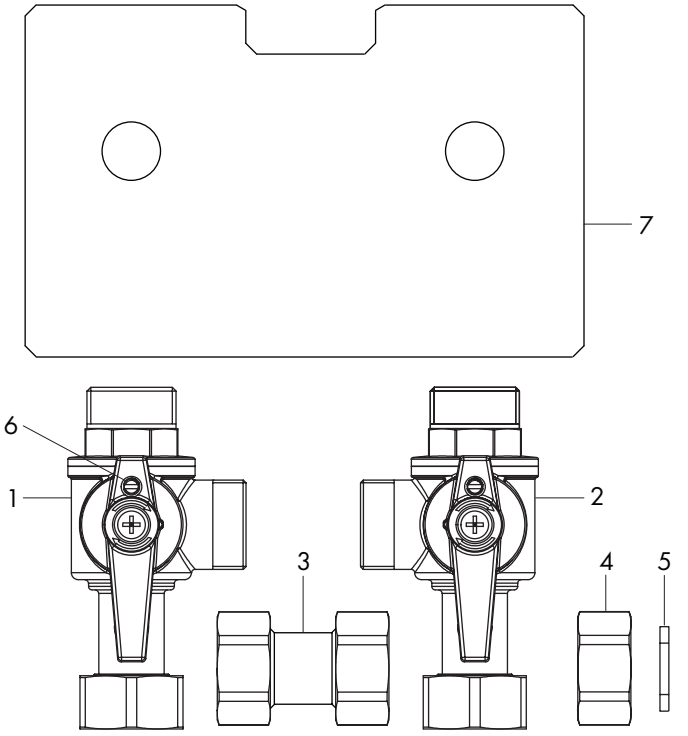
To conform with UK Heat Networks best practice the installer should use a Flushing ByPass Valve (FBPV) that meets these requirements.

- The bypass must be a temporary connection and removed after flushing.
- The valves must be lockable in the operation position.
- The valves should be insulated.
- The flushing pipe should be full bore.
- The position of the valve should be visually identifiable.

Check Components

Before commencing remove all components from packaging and check with the contents list.

Ensure all parts are present, before discarding any packaging. If any parts are missing, do not attempt to install your Inta flushing bypass valves until the missing parts have been obtained.



ITEM	QTY	COMPONENT
1	1	Isolation valve red lever
2	1	Isolation valve blue lever
3	1	Connector
4	2	Blanking cap
5	4	Sealing washer
6	2	Lever & valve locking screw
7	1	Insulation shell

Installation

- The isolation valves have been specifically designed to be installed directly onto the HIU, sealing onto the ¾" swivel connection at the base of the valve using two of the sealing washers to make water tight joints.
- The valve with the red handle, for hot inlet (flow), should be install on the flow to the HIU, refer to the installation instructions for the HIU to confirm flow directions to the HIU.
- The valve with the blue handle, for cold outlet (return), should be installed on the return to the heat network.
- When flushing the pipework to the HIU use the connector to connect the 2 valves together using two of the sealing washers to make water tight joints.
- Once flushing is complete the connector must be removed and blanking caps fitted to the bypass connections of the isolation valves, the same sealing washers can be reused.
- Fit the insulation shell to the valves.
- The bypass connector can be stored in the insulation for future uses.

Operation

The blanking cap provided must always be **fitted when the temporary connector is removed.**

Fig A - The valve is in it's operational position with the flow straight through and the **temporary bypass connector removed and blanking caps fitted.**

Fig A

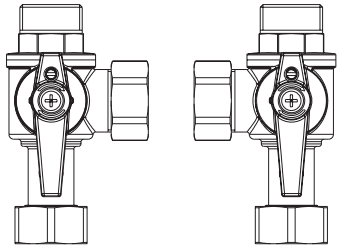


Fig B

Fig B - The valve is fitted with the **bypass connector and the flow paths are open in all directions.**

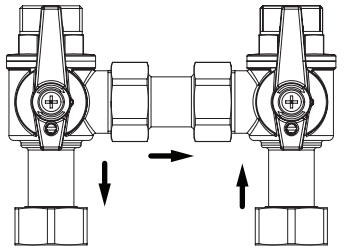


Fig C

Fig C - The valve flow path is in the **flushing bypass position with the bypass connector fitted.**

Flow to the HIU is isolated and cut off.

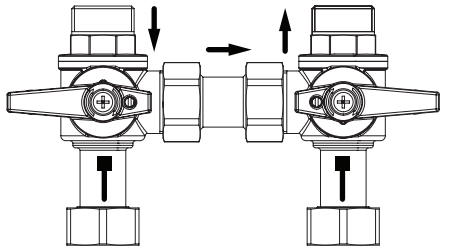
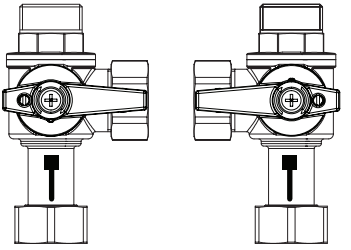


Fig D

Fig D - The valves are closed isolating the HIU and **the blanking caps are fitted.**



NOTE:

Sealing washers must always be used with the blanking caps or bypass connector

Notes:

Please leave this Manual for the User

To activate your product warranty please visit

www.intatec.co.uk

and click on Product Registration

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E & O.E

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