

# Automatic By-Pass Valve

The automatic by-pass valve is designed to maintain a minimum flow rate in heating systems fitted with thermostatic radiator valves.

## Features:

- Maintains optimum flow
- Automatic operation
- Set and forget
- Ensures quiet operation
- High quality
- Reliable

## Application

The automatic by-pass valve is designed to maintain a minimum flow rate in heating systems fitted with thermostatic radiator valves. When all the TRVs are open the by-pass valve remains closed, allowing the full boiler output to circulate around the heating system.

As TRVs sense that selected room temperatures are reached and start to close, the by-pass valve starts to open, maintaining optimum flow through the boiler and so eliminating possible damage to the boiler and pump. Installation of the by-pass valve will minimise noise often experienced when flow through the boiler decreases.

## Getting Technical

Model	Automatic By-Pass Valve
Connections	22mm
Setting range	0.05 to 0.5 Bar
Working pressure	16 bar
Working temp.	120°C Intermittent

## Automatic Bypass Valve

Product	Part No.
22mm angle auto bypass valve	07 02 020

## Installation

The by-pass should be installed between the flow and return with flow in the direction of the arrow.

If a higher capacity is required for large installations it is possible to install two or more valves in parallel.

## Setting

The valve can be manually adjusted from 0.05 Bar to 0.5 Bar. A setting of 0.2 – 0.3 Bar is sufficient for most common installations. If the differential pressure is too low or the by-pass flow is too high, the pressure setting should be increased. If the differential pressure is too high or the by-pass flow too low, the pressure setting should be decreased.

