

## AUTOMATIC BYPASS VALVE SPECIFICATION



- Regulates heating system differential pressure \*
- High capacity flow up to 50 litres per minute \*
- Adjustable differential pressure range 0.1 to 0.6 bar \*
- 22mm compression fitting \*
- 3 bar max pressure\*
- 110 DegC max temperature\*

The Banico ABV should be fitted where a boiler bypass is required – typically this is the case when a system is equipped with thermostatic radiator valve, and to allow pump over run operation after zone valves have closed down

### Application

TRV's slowly close down as each radiator raises the room temperature. To overcome flow restriction as TRV's close down, the ABV is adjusted to the required set point. As the system resistance increases due to TRV's closing, the ABV allows flow to increase, in order to maintain the required pre-set system differential pressure. The regulation provided will reduce system noise that can result from TRV's or zone valve closing, eliminate pump impeller wear that can result from high flow resistance, and enhance the life of the boiler's heat exchanger by ensuring minimum flow rate at all times.

### Installation

Installation should be in a loop between flow and return after the pump. Ensure that the flow is in the direction of the arrow on the ABV body. Rotate the adjustment head until the required setting number is visible, and lock the valve at the point by tightening the screw on top of the adjuster. Refer to recommendations in the boiler instructions and the pressure / flow rate details below to decide which setting is required.

