

# Domestic Heating System Valves

Our range of automatic bypass valves is particularly beneficial in improving boiler efficiency and improving control of systems fitted with TRVs, through effective control of water flow. Our range of valves saves energy by only allowing flow through the bypass when needed. Building regulations state that if a bypass is installed, an automatic bypass valve must be fitted.

## EA122 Automatic Air Vent

The Automatic Air Vent EA122 is suitable for heating systems and other closed circuit hot water systems (not potable water) which require the efficient, automatic removal of air when a system is filling with water.

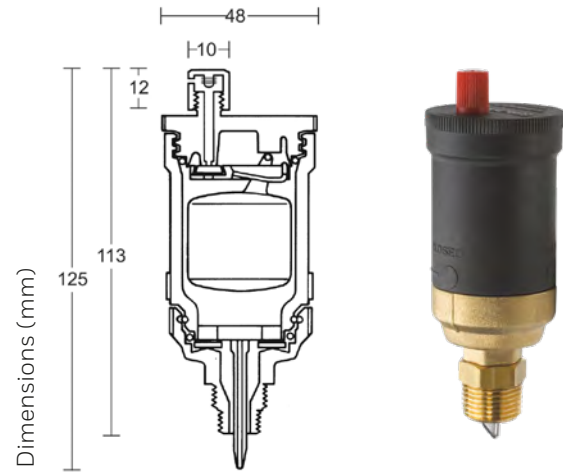
The vacuum break on the bottom of the valve prevents an air lock forming and encourages air to be released from water. The air vent can be fitted anywhere in the positive pressure side of the system where air is likely to be trapped.

Air vents should always be fitted in an accessible area which can be seen and serviced easily.

- Integral stop valve enables seat to be cleaned without draining the system
- Vacuum break ensures air collection
- Simple servicing and cleaning
- 1/8" and 3/8" BSP connections
- Expanding disc under cap helps prevent leaks due to dirt under seat
- 1/8" to 1/2" adaptor.

### Option

- Q122A facilitates waste connection to air vent.



EA122 – AB	Automatic air vent with 1/8" and 3/8" BSP connections and 1/2" adaptor
Q122A1001	Female iron fitting, to facilitate outlet connection to a waste pipe. Size: M8 – 6 mm compression

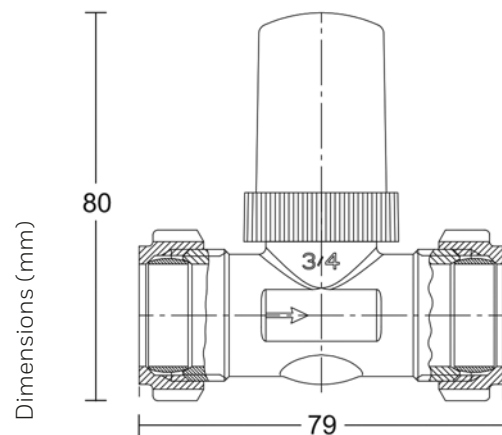
## DU144 Automatic Bypass Valve

The DU144 Automatic Bypass Valve controls the flow of water through a bypass circuit which is installed between flow and return pipework, typically at or near the boiler.

Building regulations advice states that if a bypass is installed, an automatic bypass valve must be fitted.

The DU144 saves energy by only allowing flow through the bypass when needed, i.e. when flow through the system is reduced when zone valves or radiator thermostats are closing.

- Unique and simple adjustment mechanism
- Wide differential pressure range from 0.1 to 0.6 bar
- 22 mm compression fittings for ease of installation
- Reduces system noise and maintains an even system pressure
- Ensures constant flow through boiler
- Lockable set pressure prevents inadvertent adjustment
- Factory set at 0.2 bar.



DU144A1001	Automatic bypass valve with set pressure scale and protective cap, with 22 mm compression connections
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The DU144 Automatic Bypass Valve can serve two functions: a) as a boiler bypass as required by boiler manufacturers, b) as a system bypass to accommodate pump overrun and to alleviate system noise that can be caused by increased pressure when thermostatic radiator valves or zone valves close down

