



Data Sheet

Automatic Air Vents for Liquid Systems

RS stock number 365-6820

Description

Automatic Air Vents are designed for use on hot and cold water installations and are constructed of materials which meet the requirements of the National Water Council. The body and cap are of a special brass alloy which is resistant to dezincification.

Limiting conditions

Body design conditions PN 10
 Max. design temperature 110°C
 Maximum differential pressure -8 bar
 Max. cold hydraulic test 15 bar g

Sizes and pipe connections

Inlet 1/2" Screwed BSP
 Outlet 1/4" Screwed BSP

Materials

(Fig.2)

No	Part	Material
1	Cap	DZR copper alloy BS 2872 CZ 132
2	Cap 'O' Ring	Green Viton 75 WRc 9305512
3	Body	DZR Copper alloy BS 2872 CZ 132
4	Float (Hollow)	Acetal co-Polymer
5	Valve	Viton Rubber
6	Valve Seat	Stainless Steel BS 970 431 S29
7	Bracket and Lever Assembly	Stainless Steel BS 1449 304 S12
8	Bracket Screw	Stainless Steel BS 4183 18/8
9	Check Valve	Stainless Steel AISI 440B

Dimensions (approximate) in millimetres

Size					
Inlet	Outlet	A	B	C	Weight
1/2"	1/4"	56	105	10	0.7kg

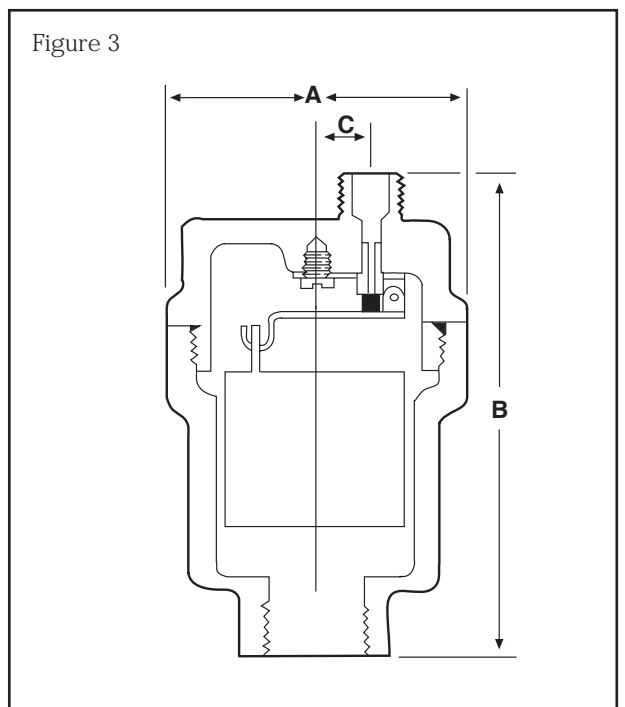
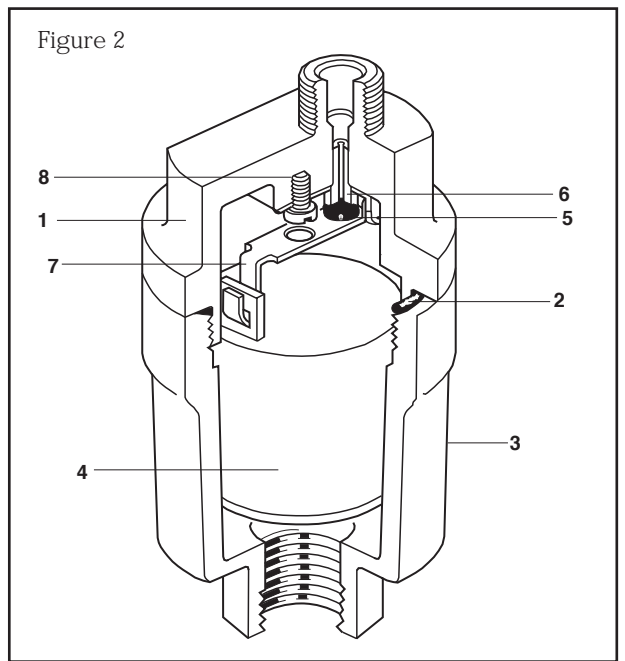
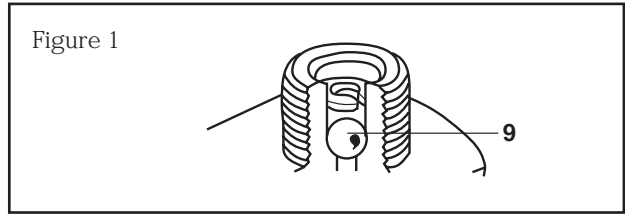
Installation

The Automatic Air Vent should be installed vertically with the inlet at the bottom.

As with all Automatic Air Vents dribbling may occur if the valve becomes fouled with dirt. For this reason it is recommended that a drip pipe be fitted discharging to a safe place. To enable this to be done the outlet is provided with a 1/4" BSP male thread.

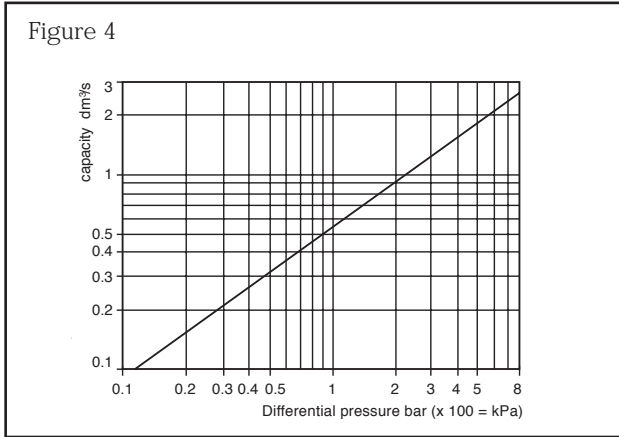
How to Order

RS Stock No. 365-6820



Free air discharge capacity

at 16°C



If the temperature differs from 16°C, the discharge capacity from the graph can be corrected by multiplying it by:

$$\frac{289}{273+T}$$

Where T is the actual temperature in deg. C.

Spare parts

(Fig.5)

The spare parts available are shown in heavy outline. Parts drawn in broken line are not supplied as spares.

AVAILABLE SPARE

Maintenance kit comprising:

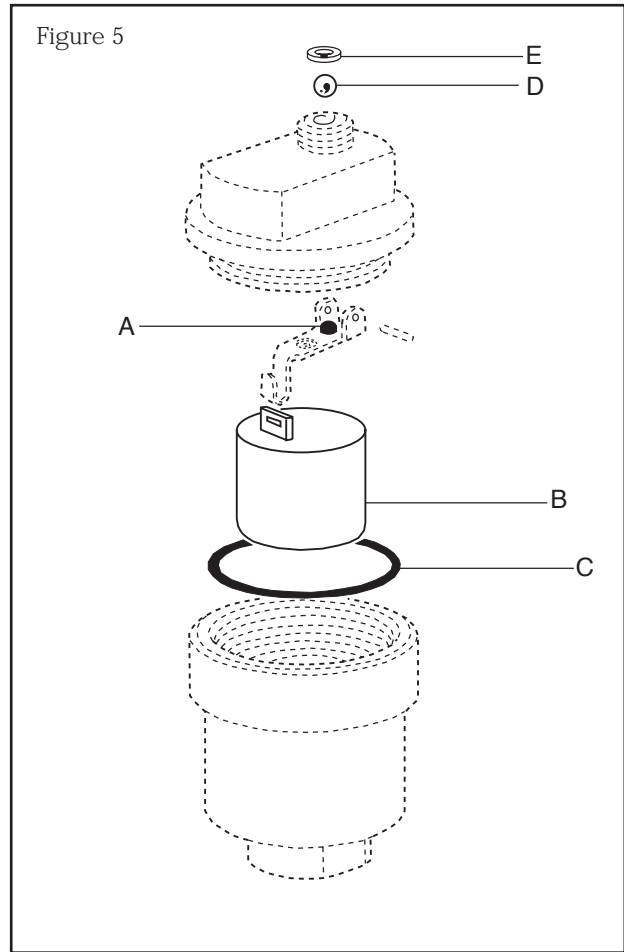
Valve Head, Float, 'O' Ring,

Check Valve Ball, Check Valve Ring

A, B, C, D, E

Recommended tightening torques

Cap 10/12 Nm.



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