

Automatic Air Elimination

brownall[®]

Introduction

This catalogue features the exclusive Brownall range of Automatic Air Eliminator products. All manufactured in non-dezincifiable body materials, resistant to fungal growth.

Automatic Air Eliminators covering low, medium & high pressure applications suitable for use with water, aviation fuel, diesel & light oils.

Three-way vent valves, offering efficient performance, reliable service combined with potential savings in time & cost by simplifying the venting system for single/multi boiler or calorifier installations, complimented by vent cocks are also available upon request.

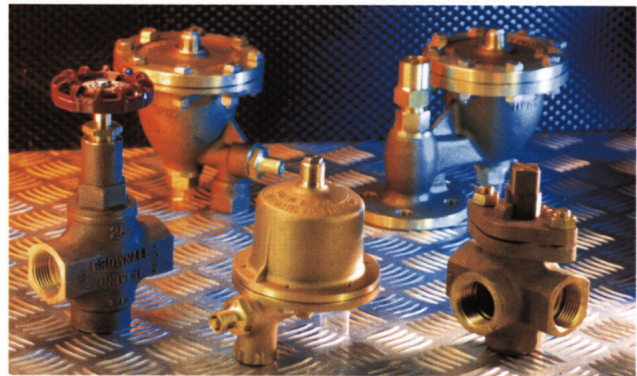
Air Separation saves the System!

Air in a central heating system leads to reduced heat emission and has harmful consequences for the installation as a whole - particularly the pump, which is often the first component to suffer. Air is the enemy of the pump and leads to a noisy installation, loss of performance, corrosion and premature failure. With the installation of good venting equipment these problems can be alleviated.

The Importance of a Clean System

Dirt or other foreign matter can cause problems, reducing the efficiency of a system, particularly when applied to air elimination. It is therefore recommended that prior to the installation of automatic air eliminators the system is thoroughly flushed. In addition, a pipeline strainer should be installed immediately before the inlet to the AAE.

It is recommended that discharge pipe work should always be fitted to the outlet of the valves to allow for venting & water carry-over.



Selection of the most Suitable Automatic Air Eliminator

With several types of air eliminator available, product evaluation relating to system requirements is essential. With this in mind, the following factors should be taken into consideration:-

- **System Parameters:**

Select the correct type, ensuring that the pressure & temperature rating meet the requirement of the system.

- **Materials of Construction:**

Quality of manufacture & materials used in construction are critical. Corrosion and clogging of valve mechanisms is a potential problem if incorrect materials are used.

- **Reliability:**

An automatic valve, usually operating in an inaccessible roof space or system header, must be capable of long term trouble free operation.

With proven reliability extending over many years the Brownall range of Automatic Air Eliminators meets the above criteria and is number one choice with professional building services consulting engineers and specifying authorities.

The Brownall guide to Air Elimination in Fluid Systems is available on request.



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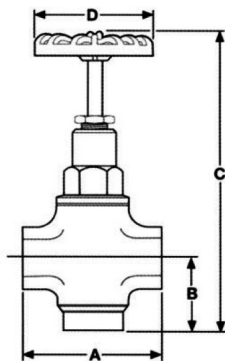
Three-Way Univent Fig.1688

A three-way screw-down vent valve made from non-dezincifiable body material for use on vented hot water boiler systems suitable for single and multi-boiler installations. The design ensures that when the valve is fitted in accordance with the manufacturer's recommendation there is always direct connection from the boiler or calorifier to atmosphere.

In-line servicing, using Univent replacement cartridges is available on Univent Fig.1688 valves. This allows valve maintenance to be carried out without disturbing the pipework.

To operate the valve, turn the hand wheel clockwise to its full travel to close the drain port and open the vent line. Anti-clockwise operation of the handwheel opens the drain and closes the vent.

Nominal Size	Product Code	A	B	C	D	Weight kg
25mm(1")	UV-1688-025D	96	47	200	89	1.83
32mm(1 1/4")	UV-1688-032D	118	63	237	102	2.93
50mm(2")	UV-1688-050D	160	79	283	152	6.10



Specification

Pressure rating: 7 bar at 93°C
(100 lbf/in² at 200°F)

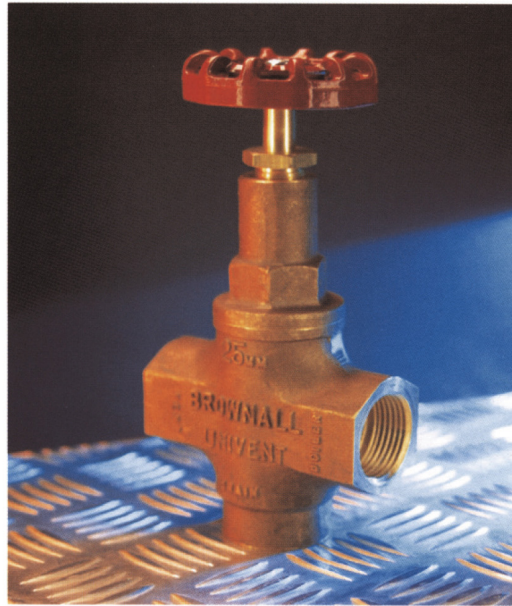
Temp. Rating: 93°C (200°F)

Body: Gunmetal to BS 1400 LG2

Head: Gunmetal to BS 1400 LG2

Trim: Brass/Gunmetal with integral EPDM seats

Spindle: Brass bar to BS2874 CZ132



Univent Replacement Cartridge Fig.1688 Only

Provides rapid in-situ servicing of Univent Fig.1688 Valves.

Size	Product Code
25mm (1")	UV-SP-1688-025
32mm (1 1/4")	UV-SP-1688-032
40mm (1 1/2")	UV-SP-1688-040
50mm (2")	UV-SP-1688-050
65mm (2 1/2")	UV-SP-1688-065