

Aladdin Hygroseal™ automatic de-aeration valves



The stylish and versatile range of Aladdin Hygroseal™ automatic radiator de-aeration valves are a new breed in automatic radiator venting. The innovative Hygroseal™ technology (patent pending) with its long, leak-free life, provides a cost-effective solution to automatic radiator de-aeration.

Saves energy, keeps radiators hot to top, reduces corrosion and system noise, provides maintenance free system - dispenses with the need for radiator keys.



Aladdin 'HV 30C' fitted to standard Panel Radiator



Aladdin 'HV 30C' fitted to standard Towel Radiator



Aladdin 'button Micro' fitted to Barlo and CenterRad



Aladdin button 'Micro' fitted to 'designer' Cast Iron and towel radiators

Aladdin Hygroseal™ automatic de-aeration valves



- Omni-directional operation for panel and towel type radiators
- Stylish range of models for all radiator tapping sizes
- Automatic safety feature
- Also works on negative pressure systems
- Replaceable cartridge

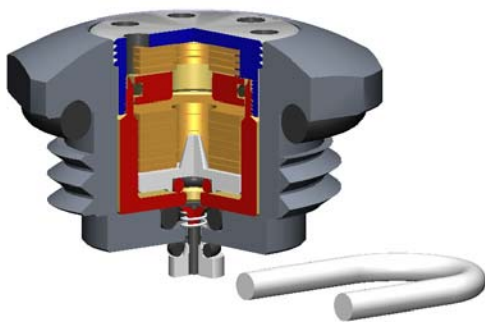
Designed to compliment the award - winning Aladdin Auto Vent range of de-aeration valves by offering a cartridge version; the Aladdin Hygroseal™ technology gives excellent functionality, yet is very cost efficient. The valves dispense with the need for radiator keys.

The valves are fully automatic, requiring no manual adjustment, and will not leak in the unlikely event of failure. A backup failure safety mechanism is incorporated.

A one-way valve makes them suitable for use with radiators which can cycle into negative pressure, typically loft conversion radiators or on the suction side of the pump.

The innovative Hygroseal™ technology (patent pending) utilises a ‘dual-seal positive valve closure’ which provides an extended, leak-free life.

Specification



Aladdin Hygroseal™ HV 30C with cartridge removal clip

Operating Pressure Range	0 – 10 bar
Operating Temperature Range	up to 120 deg. C
Size	25.4 mm across flats, 5mm from tapping fitted (1/2" BSP version). Micro: 16 mm diameter, 14 mm From tapping.
Fitting	1/2" BSP: 1" spanner flats, EPDM O-ring seal. Micro : 9/16" spanner flats compression or pre-applied threadseal
Variations	1/2" BSP, 1/8" BSP / 6mm., 1/4" BSP, 5mm, 7mm.

The valve is a ‘hybrid’ version of the traditional hygroscopic valve – utilising cellulose fibre washers to close the valve after each vent. Traditional valves are prone to leaks because they only have a ‘partial seal’, but the superior Aladdin valve incorporates a unique ‘positive dual-seal’ (patent pending) and back-up system which eliminates leaks and extends the working life of the valve. Installing the valves is a simple DIY job that doesn’t require system draining. Once the valves are installed the changing of the cartridge is a ‘less than one minute’ operation.

The speed of vent cycle varies with temperature and pressure; at higher temperatures and pressures the vent cycle is faster. This table relates to a 1 bar pressure cycle.

Temperature (deg. C)

1 bar Vent Time (hrs)	40	50	60	70	80	90
	6	5	3	1.5	1	0.5

The cartridge requires replacement every 3 – 4 years approximately