

STUDOR[®] CHEM-VENT[™]

Air Admittance Valve for Plumbing Ventilation

Product Information/Specification Sheet

DESCRIPTION

The **STUDOR Chem-Vent AAV** is an accepted alternative to replace all forms of conventional branch venting, with localised active ventilation of the chemical drainage system.

The **Chem-Vent** is manufactured from chemical resistant and field-tested flame retardant polypropylene (PP) material. This specialist AAV results in great savings by reducing the need for expensive chemical resistant vent piping, as well as improving performance of specialised acid waste systems.

FEATURES

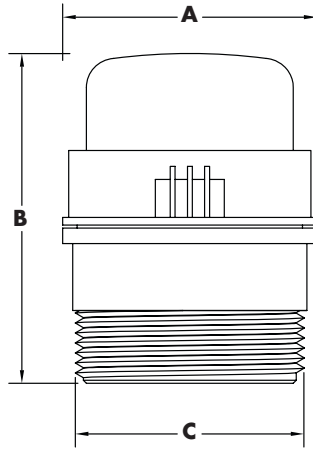
- Prevents the release of foul air from the drainage system.
- Chemical resistant materials FR-PP and EPDM are used in the **Chem-Vent**.
- Available in red flame retardant polypropylene (PP).

INSTALLATION

- The **Chem-Vent** should be connected to the piping in accordance with **STUDOR's** installation instructions.
- Refer to your local area regulations for open vent requirements.

WARRANTY

The **STUDOR** products have a lifetime warranty - equivalent to that of the drainage system in which they are installed.



Chem-Vent

APPLICATIONS

The exclusive **Chem-Vent** is designed specifically for chemical and acid waste laboratory systems. It is especially suitable for the following areas:

- Hospitals
- Biomedical
- Petrochemical
- Schools
- Pharmaceutical Manufacturing
- Food and Drink Process Manufacturing
- Hazardous Environments
- Electronic / Electrical

PIPE SIZES

Europe	AU/NZ	USA
DN 40	DN 40	1 1/4"

DIMENSIONS

Dimension	Metric (mm)	Imperial (inches)
A	Ø 52	2.00
B	68	2.68
C	DN40	1.50

Note: Dimensions for reference only


PERFORMANCE PARAMETER

Temperature range	-20°C to +60°C (CE) -40°F to +150°F (ASSE)
Opening pressure	-60 Pa (-0.009 PSI)
Max. pressure rating	10,000 Pa (1m/40" H ₂ O)
tightness	0 Pa or higher

Air flow capacity	Branch	Stack
Europe	1.1 l/s	N/A
AU/NZ	1.1 l/s / 6 FU	N/A
USA	1 to 6 DFU	N/A

MATERIALS

Component	Material
Chem-Vent body	FR-PP
Sub-assembly	EPDM

EN 12380		06
Studor Ventech Limited, Millennium House, Victoria Road Douglas, Isle of Man IM2 4RW, British Isles		
Valve to ventilate drainage systems Designation: AI Airflow capacity: 1.1 l/s Airtightness tested at: 30/500/10000 Pa Range of temperature: -20°C to +60°C Effectiveness at temperatures below zero: -20°C Pipe material in accordance with: EN1329-1, EN1451-1, EN4514, EN12056-1		

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Chemical & Environmental Resistance of the **STUDOR[®] Chem-Vent[™]**

Category	Rating
Weak alkalis	E
Strong alkalis	E
Weak acids	E
Strong acids	E
Solvents	E
Organic chemicals	E
Alcohols	F
Oxidizing acids	P
Hydrocarbons	P
Fuels	P
Gamma radiation	F
UV radiation	G

Ratings

E = Excellent

G = Good

F = Fair

P = Poor

Warranty Disclaimer

All information in this document is given in good faith but without warranty or guarantee of any kind. It is the responsibility of the customer to determine that the product is safe, lawful and technically suitable for the intended use.