

ZEROVAC RV SERIES

Plastic Relief Valves



RV-01 • RV-02

■ BLOWER PROTECTION

Controlled excess-pressure relief
Helps protect the blower
For inlet or outlet installation

■ TWO PRESSURE RANGES

RV-01: 0-300 mbar
RV-02: 300-600 mbar
Application-specific selection

■ PVC BODY / STEEL INTERNALS

PVC outer body
Steel mesh and mechanism
For pressure and vacuum service

Plastic Relief Valve

RV Series plastic relief valves are installed on the inlet or outlet of side channel blowers. They regulate blower operating pressure and protect the system against excessive pressure. When the operating pressure exceeds the nominal value, the valve relieves excess pressure and helps protect the blower.

Operating Principle

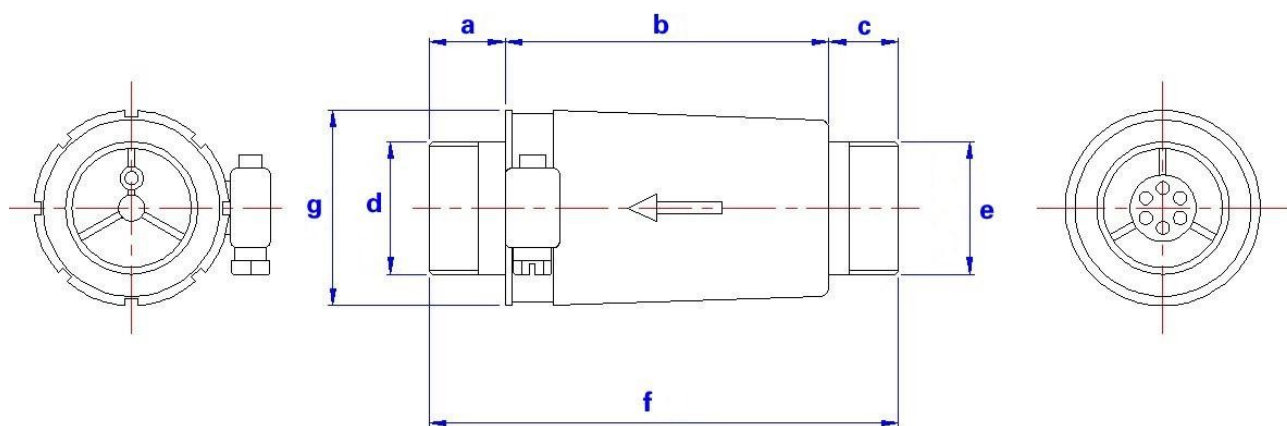
- When the operating pressure exceeds the blower's nominal pressure, the valve opens within 10 seconds and relieves excess pressure.
- When the pressure returns to the nominal level, the valve closes slowly without causing the pressure to rise again.
- The PVC outer body, steel inner mesh and steel mechanism are suitable for both pressure and vacuum applications.

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Installation / Dimensional Drawing



Flow direction and dimensional references a-g are listed in the technical table below.

Technical Data

Pressure and Dimensions

Model	Pressure Range	a (mm)	b (mm)	c (mm)	Connection d	Connection e	f (mm)	g (mm)
RV-01	0-300 mbar	23	98	21	G 1¼	G 1¼	142	Ø59
RV-02	300-600 mbar	23	98	21	G 1¼	G 1¼	142	Ø59

Dimensions a, b, c, f and g are in millimetres; d and e are G 1¼ threaded connections.

INSTALLATION NOTE

The valve can be installed on the blower inlet or outlet line. During installation, observe the flow direction marked on the body and select the pressure range appropriate for the application.



FOR MORE INFORMATION

Contact our sales team for technical support, product selection, or a tailored quotation.

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