

ZEROVAC MRV SERIES

Metal Relief Valves



MRV 1 • MRV 2 • MRV 3 • MRV 4 • MRV 5

■ OVERHEATING PROTECTION

Activates when airflow is interrupted.
Helps protect the blower against overheating.

■ VACUUM AND PRESSURE

Adjustable to the required vacuum or pressure setting.
Opens within 10 seconds under excess pressure.

■ DURABLE METAL CONSTRUCTION

Zinc-plated mild steel construction.
Compatible with various threaded connections, including PT and NPT.

Metal Relief Valve

MRV Series relief valves are installed on the inlet or outlet of side channel blowers. In vacuum or pressure applications, they activate when airflow is interrupted or the operating pressure rises, helping protect the blower. Each valve can be adjusted to the required vacuum or pressure setting.

Operating Principle

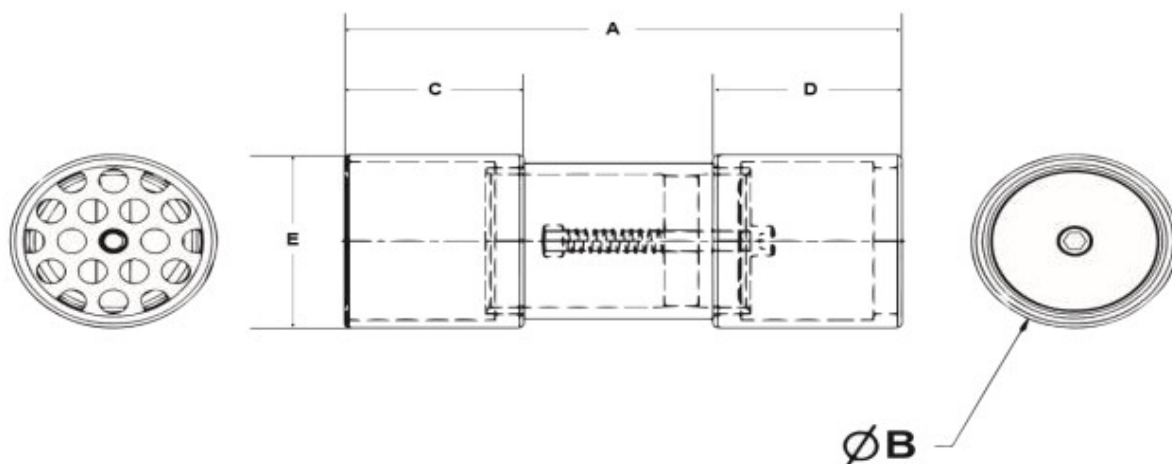
- When the operating pressure exceeds the blower's nominal pressure, the valve opens within 10 seconds to relieve excess pressure.
- When the pressure returns to the nominal level, the valve closes slowly without causing the pressure to rise again.
- The mechanism is constructed of steel on both sides and is suitable for both pressure and vacuum applications.

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Installation / Dimensional Drawing



Dimensions A, ØB, C and D, together with connection reference E, are listed in the table below.

Technical Data

Dimensions

Model	A (mm)	ØB (mm)	C (mm)	D (mm)	Connection E
MRV 1	155	54	51	52	G 1½
MRV 2	187	70	60	63	G 2
MRV 3	187	82	63	63	G 2½
MRV 4	165	94	62	63	G 3
MRV 5	165	94	62	63	G 4

Dimensions A, ØB, C and D are in millimetres; connection E uses the G thread standard.



FOR MORE INFORMATION

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

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