

3/2-directional valve, pneumatically operated, Series AS3-SOV

- Compressed air connection G 3/8
- Pipe connection
- suitable for ATEX



Version

Sealing principle

Certificates

Working pressure min./max.

Control pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Weight

Poppet valve, Can be assembled into blocks

Soft sealing

suitable for ATEX

0 ... 16 bar

2,5 ... 16 bar

-10 ... 50 °C

-10 ... 50 °C

Compressed air Neutral gases

0,459 kg

Technical data

Part No.	Port	Pilot connection	Exhaust	Flow	Flow	Flow
				Qn	Qn 1→2	Qn 2→3
R412007262	G 3/8	G 1/8	G 1/2	4500 l/min	4500 l/min	3200 l/min
R412007263	G 1/2	G 1/8	G 1/2	4500 l/min	4500 l/min	3200 l/min

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Suitable for use in Ex zones 1, 2, 21, 22

A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

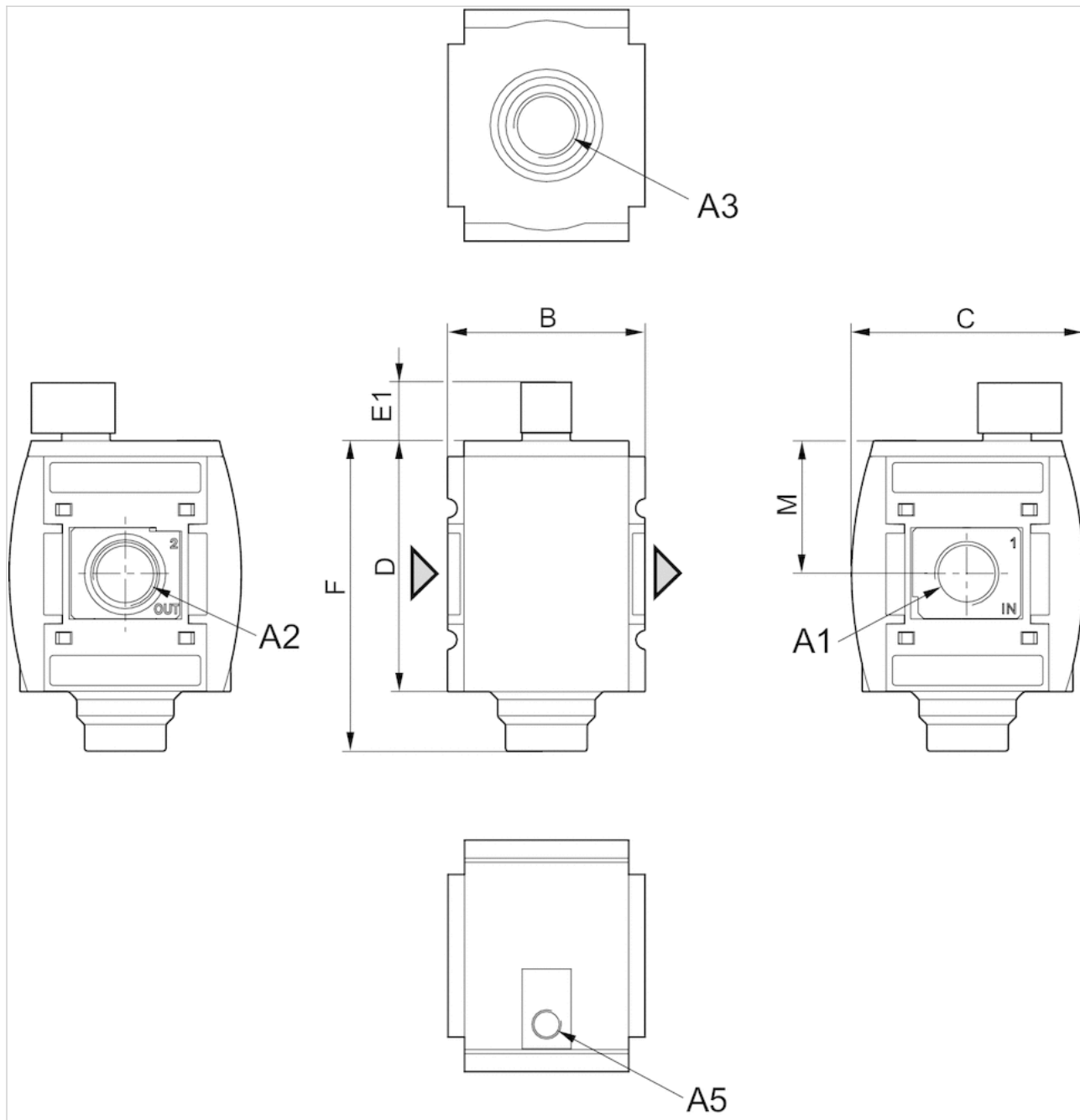
Technical information

Material

Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

Dimensions

Dimensions



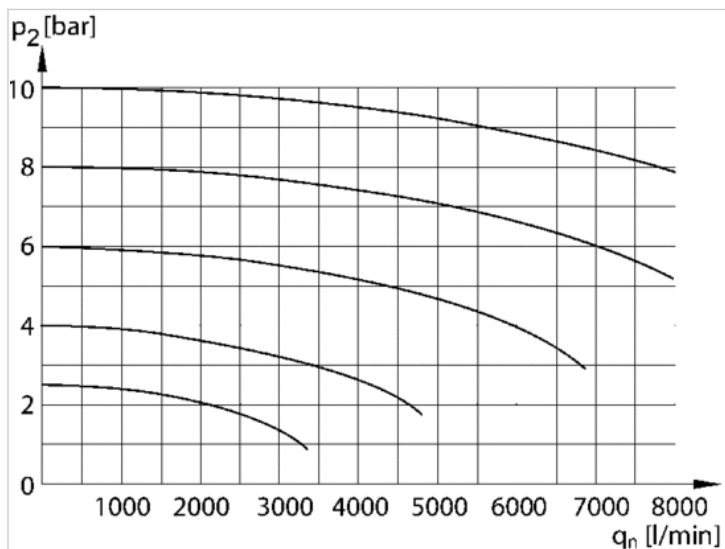
A1 = input A2 = output A3 = ventilation port A5 = control pressure connection

Dimensions in mm

A1	A2	A3	A5	B	C	D	E1	F	M
G 3/8	G 3/8	G 1/2	G 1/8	63	74	80	18.5	99	42.5
G 1/2	G 1/2	G 1/2	G 1/8	63	74	80	18.5	99	42.5

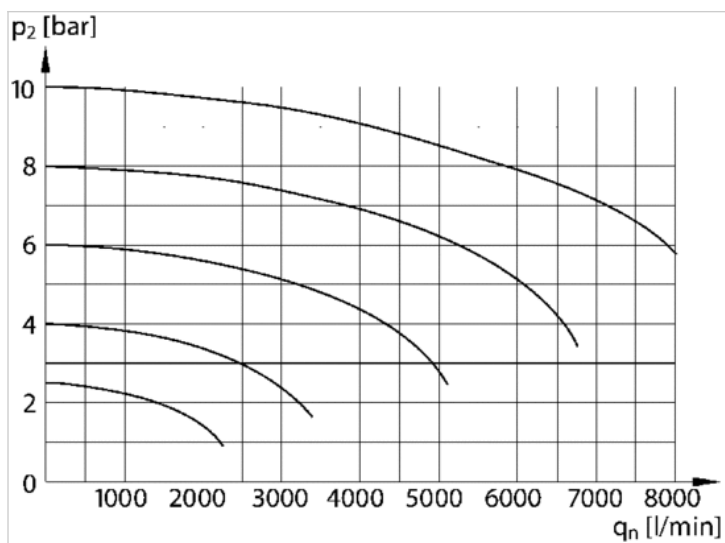
Diagrams

Flow rate characteristic



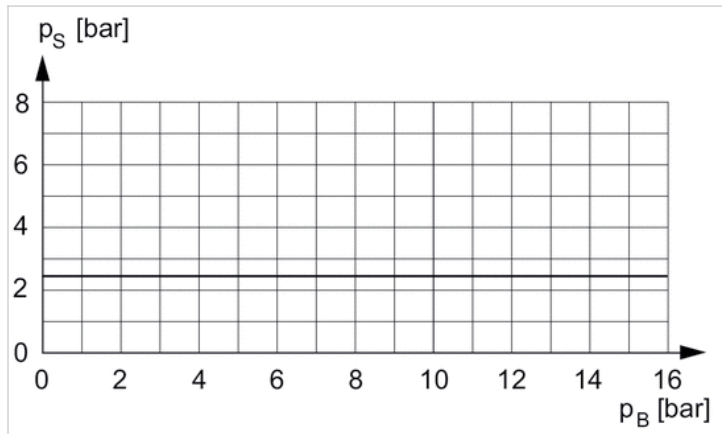
p2 = secondary pressure
qn = nominal flow

Rear exhaust



p2 = secondary pressure
qn = nominal flow

control pressure characteristic



minimum pilot pressure depending on working pressure

PS = control pressure

P= Working pressure