EMERSON | AVENTICS
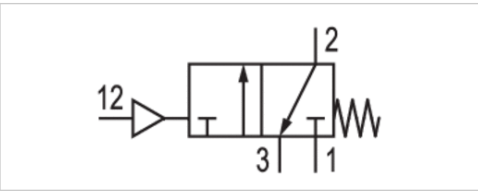
3/2-directional valve, pneumatically operated, Series AS5-SOV

- Compressed air connection G 3/4 G 1

- Pipe connection

- suitable for ATEX

Type	Poppet valve, Can be assembled into blocks
Sealing principle	Soft sealing
Certificates	suitable for ATEX
Working pressure min./max.	0 ... 16 bar
Control pressure min./max.	2,5 ... 16 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Weight	0,459 kg

Technical data

Part No.	Port	Pilot connection	Exhaust	Flow	Flow	Flow
				Qn	Qn 1▶2	Qn 2▶3
R412009262	G 3/4	G 1/8	G 1/2	12500 l/min	12500 l/min	3700 l/min
R412009263	G 1	G 1/8	G 1/2	12500 l/min	12500 l/min	3700 l/min

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

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

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

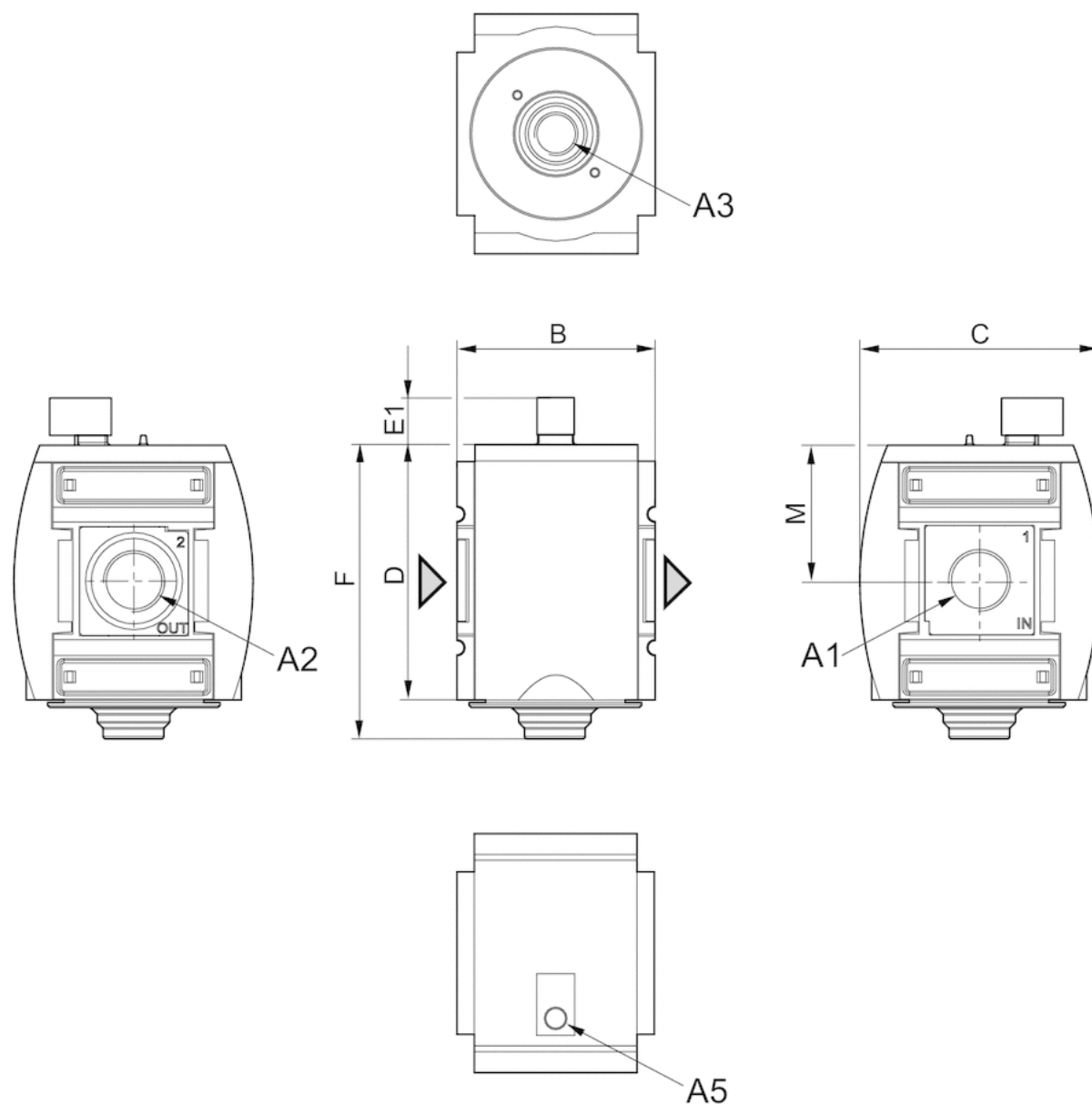| Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber

Material

Material	
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 3/4	G 3/4	G 1/2	G 1/8	85	103	109	20.2	125	58
G 1	G 1	G 1/2	G 1/8	85	103	109	20.2	125	58

Diagrams

Flow rate characteristic, 1 2
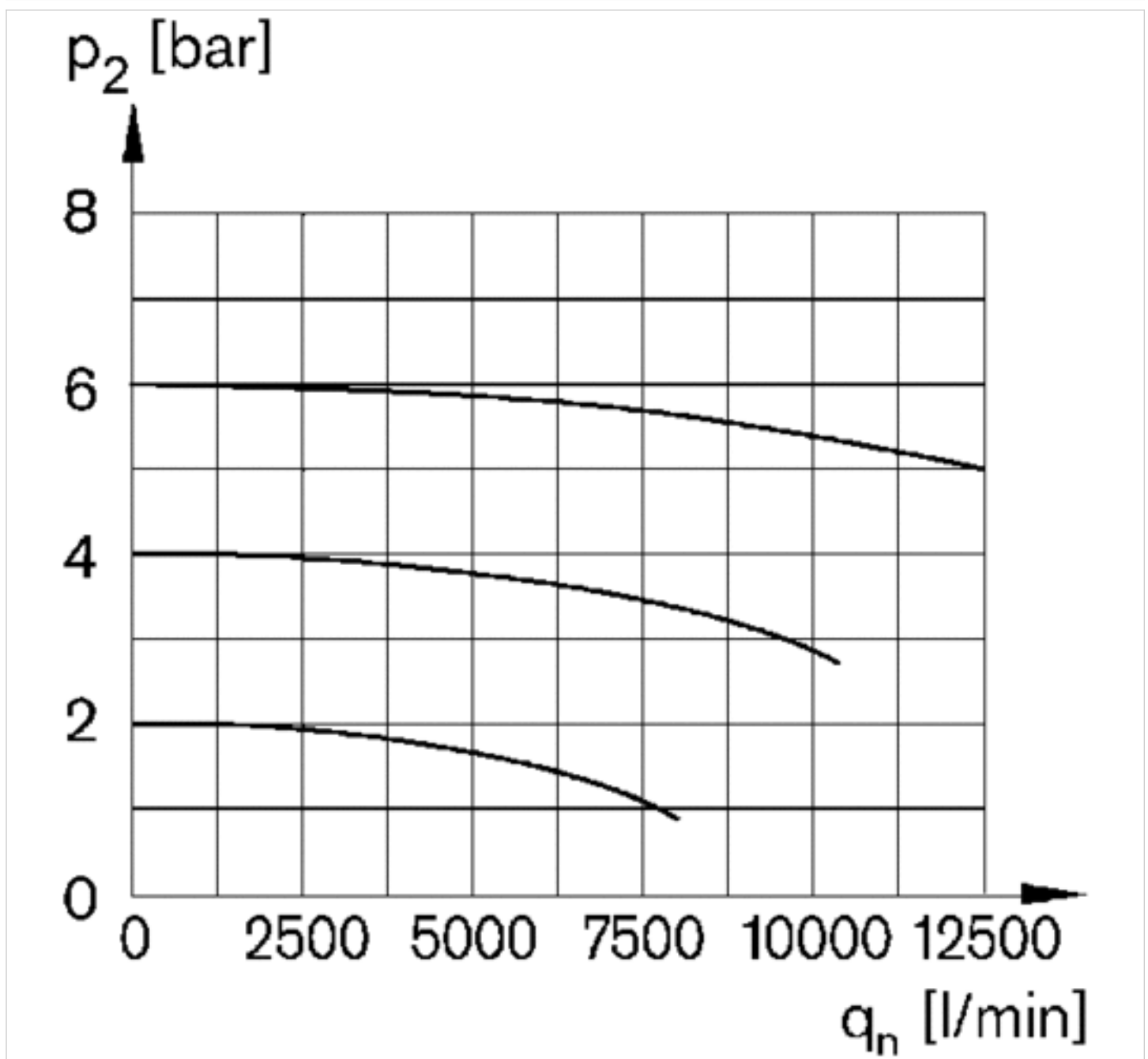
p2 = secondary pressure
qn = nominal flow

Rear exhaust, 2 3
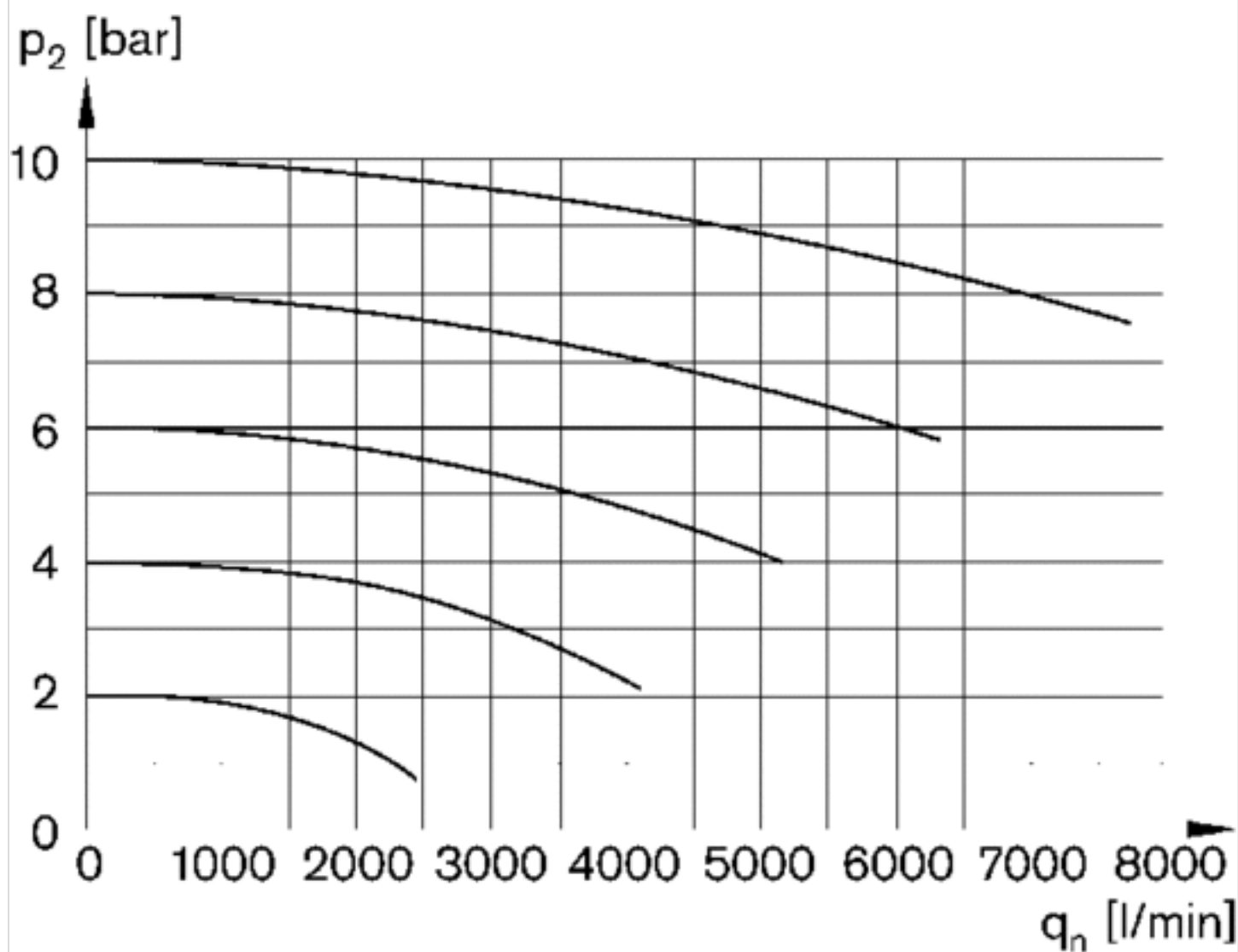
p2 = secondary pressure
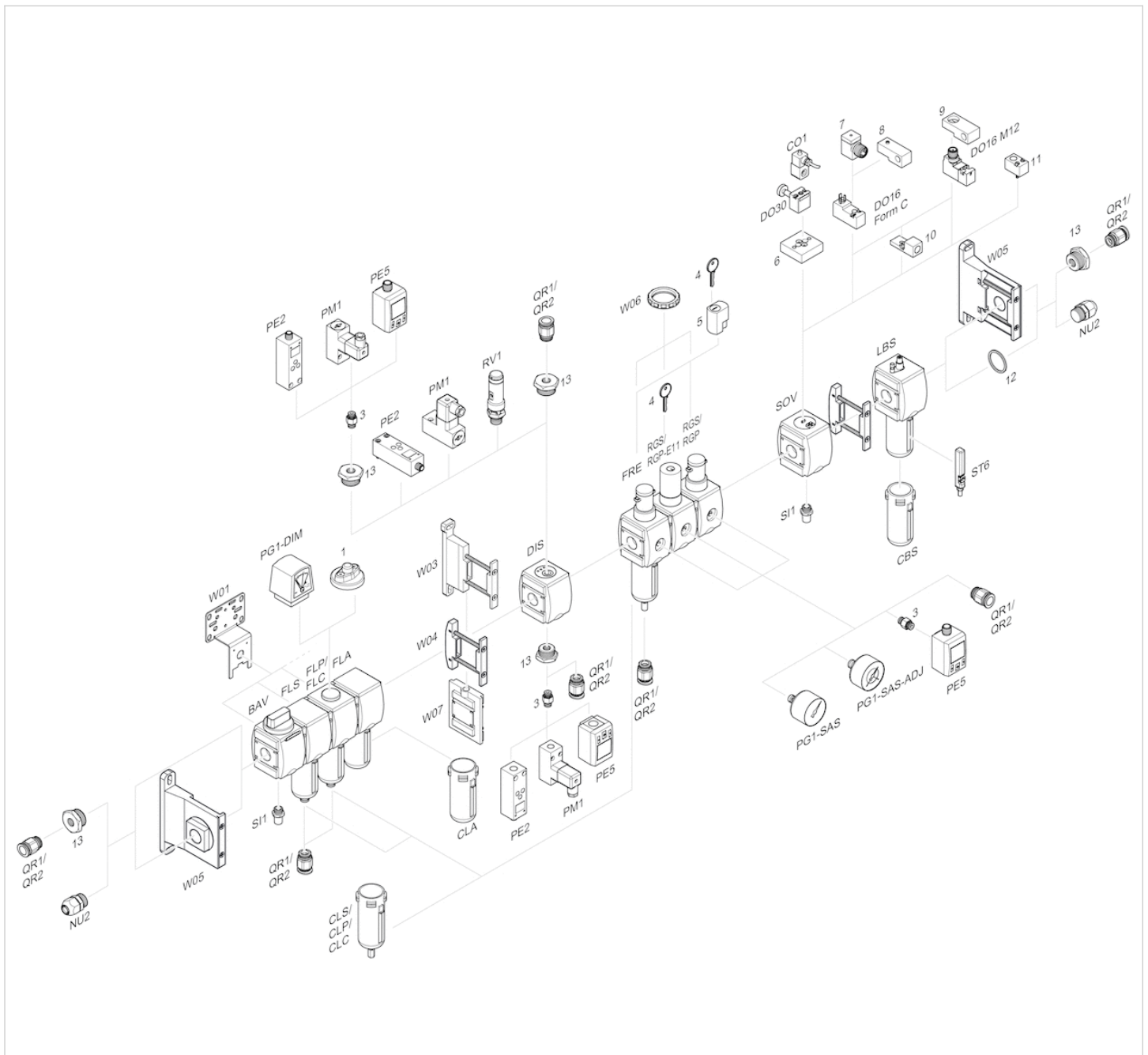qn = nominal flow

control pressure characteristic
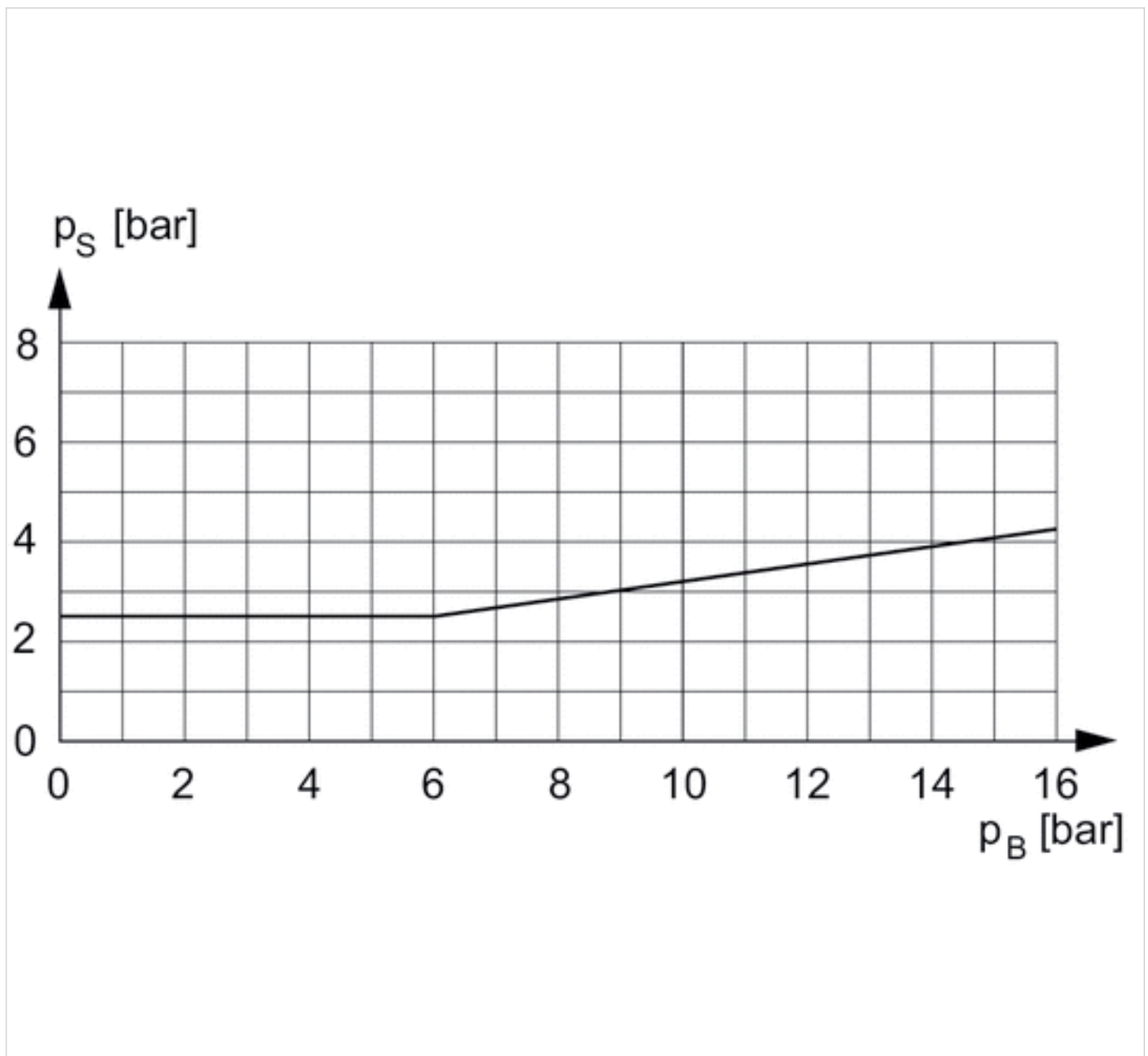
minimum pilot pressure depending on working pressure
PS = control pressure
PB= Working pressure

Accessories overview

1 = contamination display

3 = Double nipple

4 = Key for E11 locking

5 = mortise lock

6 = Transition plate DO30

7 = Adapter, Series CON-VP

8 = Mounting aid DO16, form C

9 = Mounting aid DO16, M12

10 = Adapter for external pilot air

11 = Adapter pneumatic operation

12 = Sealing ring

13 = Reducing nipple

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