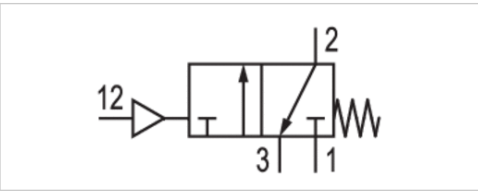


# 3/2-directional valve, pneumatically operated, Series AS5-SOV

- 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

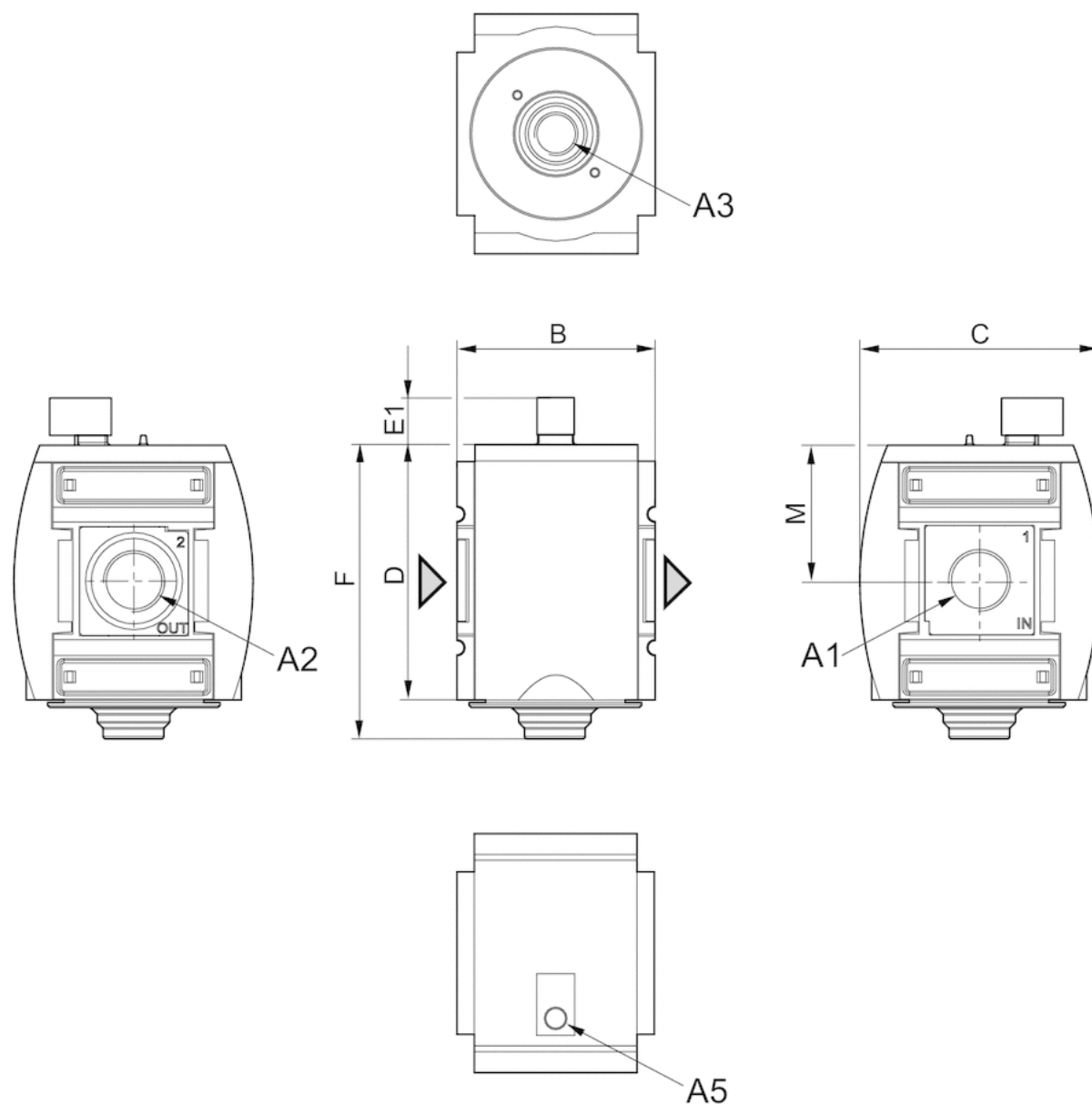
## Material

Threaded bushing

Die cast zinc

## Dimensions

## Dimensions



A1 = input

A2 = output

A3 = ventilation port

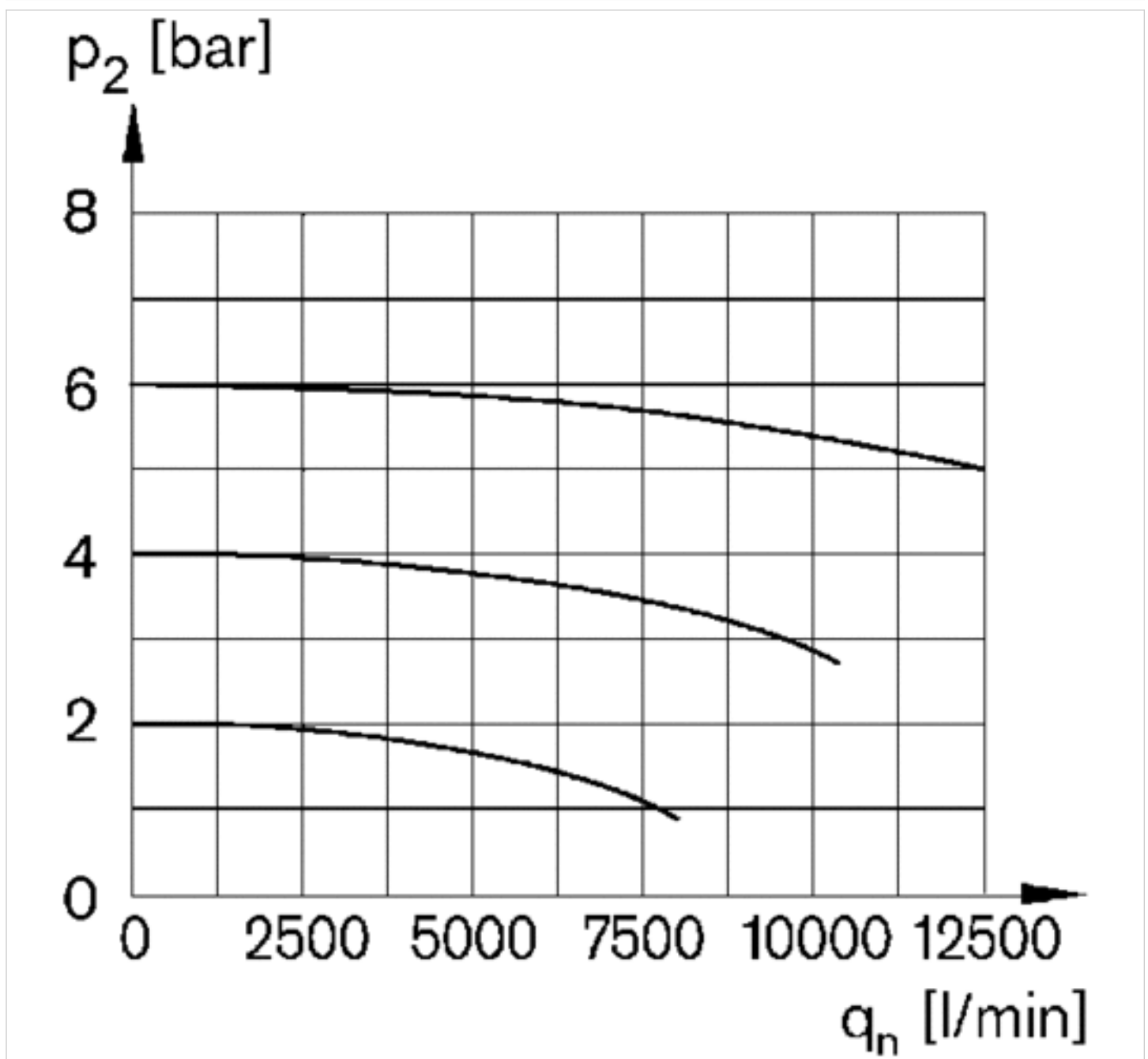
A5 = control pressure connection

## 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

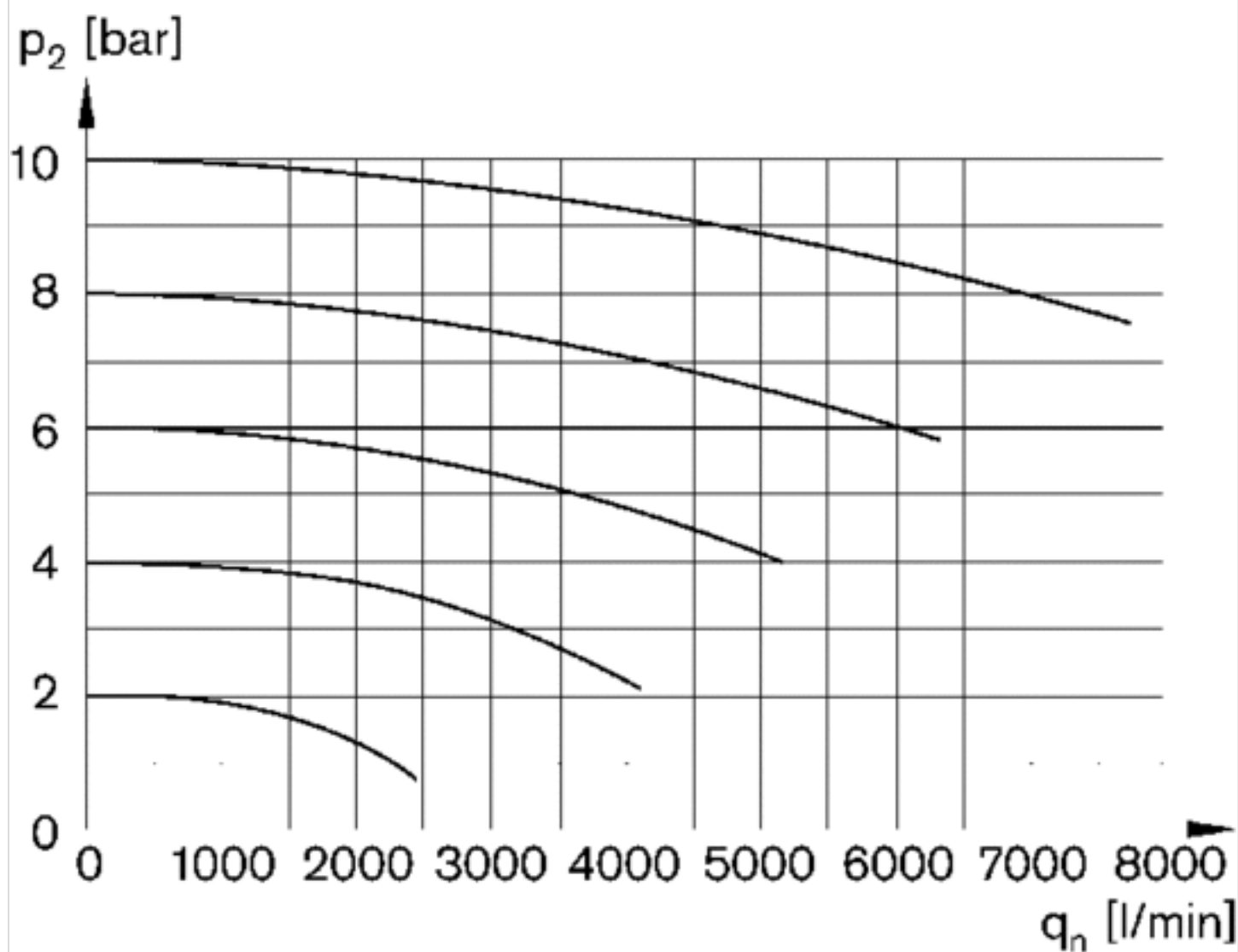
## Diagrams

## Flow rate characteristic, 1 2



$p_2$  = secondary pressure  
 $q_n$  = nominal flow

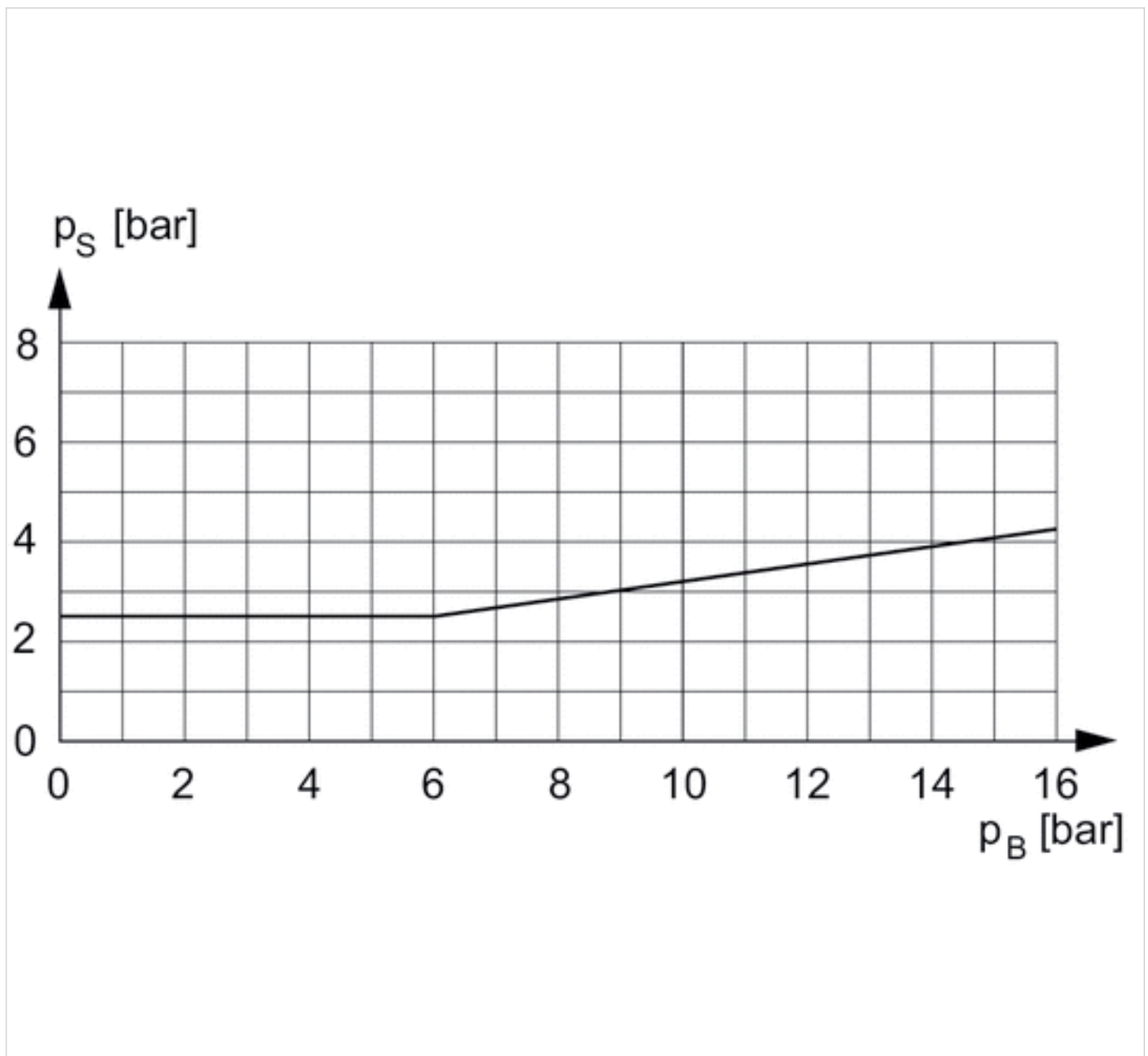
## Rear exhaust, 2 3



$p_2$  = secondary pressure

$q_n$  = nominal flow

## control pressure characteristic

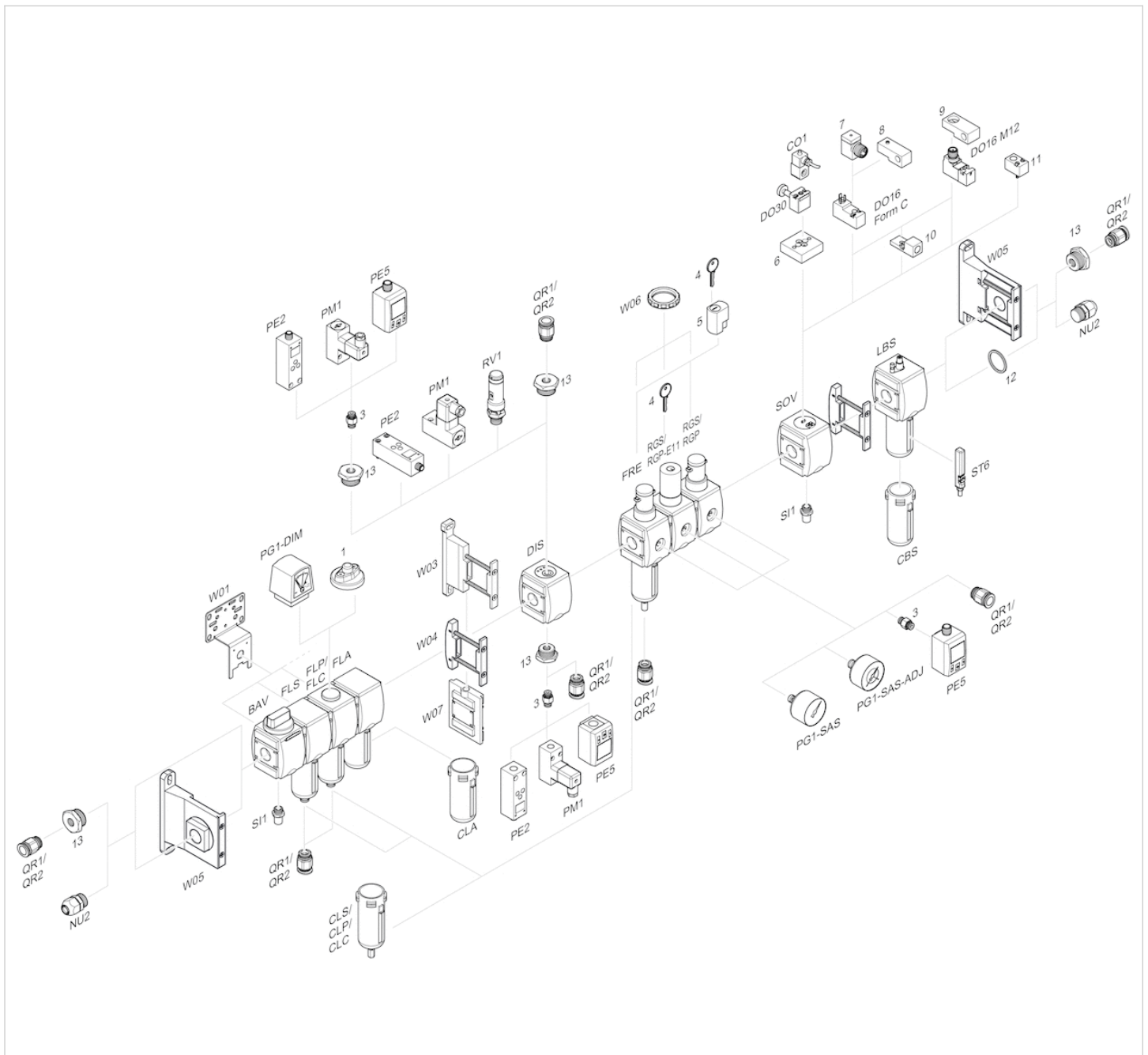


minimum pilot pressure depending on working pressure

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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