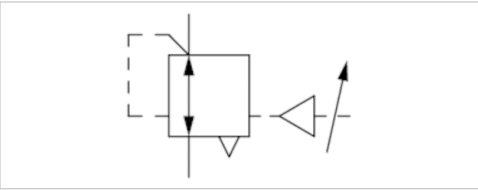


# Pressure regulator, Series AS5-RGS

- G 3/4 G 1
- Qn = 16500 l/min
- Standard pressure regulator
- Activation pneumatically



Parts	Pressure regulator
Mounting orientation	Any
Working pressure min./max.	0,5 ... 16 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Regulator type	Diaphragm-type pressure regulator Can be assembled into blocks with relieving air exhaust
Regulator function	
Adjustment range min./max.	0,5 ... 16 bar
Pressure supply	single
Activation	pneumatically
Weight	1,07 kg

## Technical data

Part No.	Port	Flow
		Qn
R412009094	G 3/4	16500 l/min
R412009095	G 1	16500 l/min

Control pressure: see diagram, Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Order pressure gauge separately

## Technical information

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

The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

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.

Relieving exhaust (≤ 0.3 bar over set pressure).

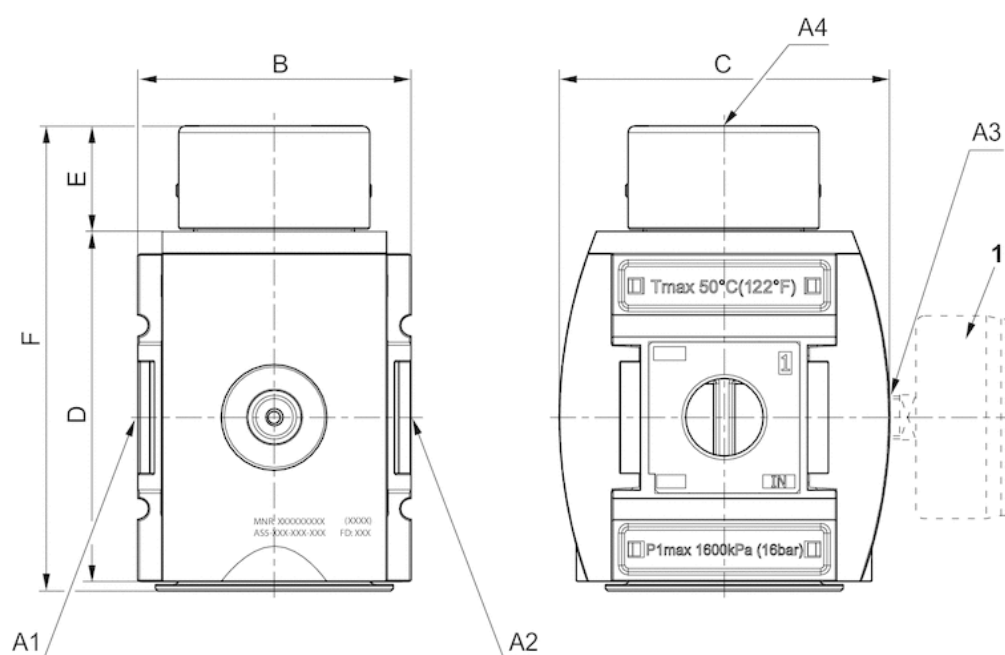
With rear exhaust (> 3 bar ).

## 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

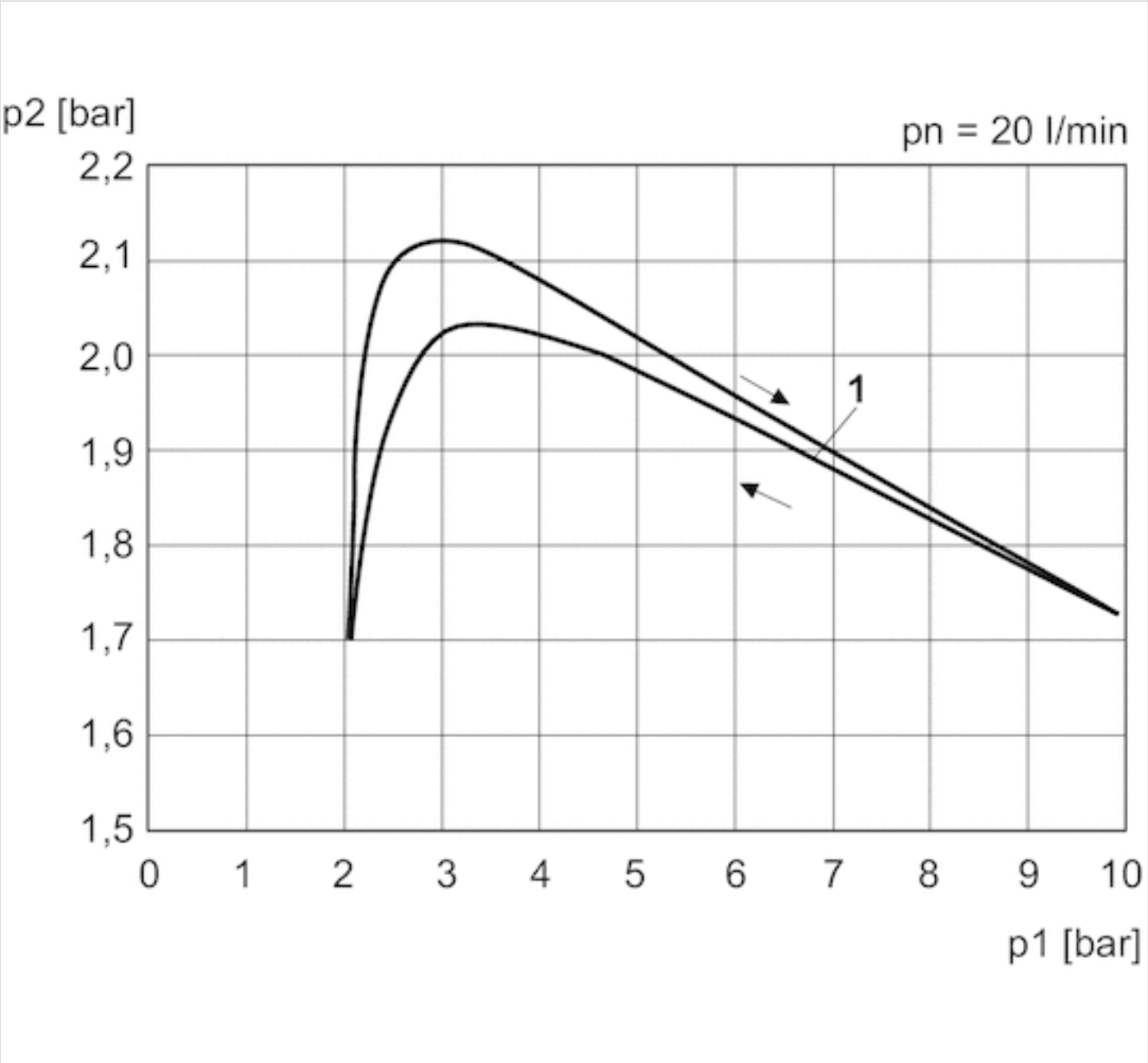
A3 = pressure gauge connection  
A4 = control pressure connection  
1) Order pressure gauge separately

Dimensions in mm

A1	A2	A3	A4	B	C	D	E	F
G 3/4	G 3/4	G 1/4	G 1/4	85	103	109	32.6	145
G 1	G 1	G 1/4	G 1/4	85	103	109	32.6	145

Diagrams

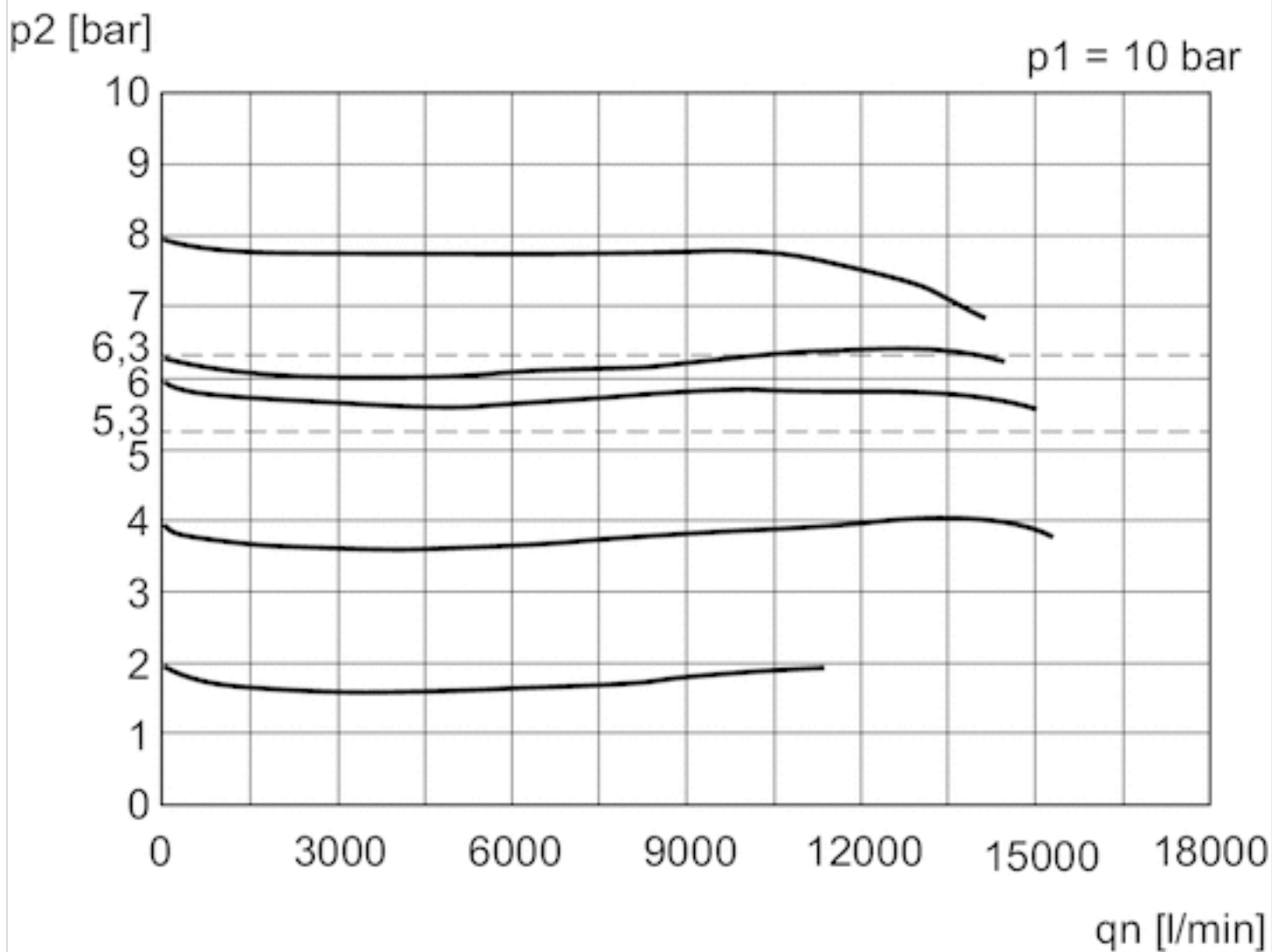
Pressure characteristics curve



p1 = working pressure  
p2 = secondary pressure

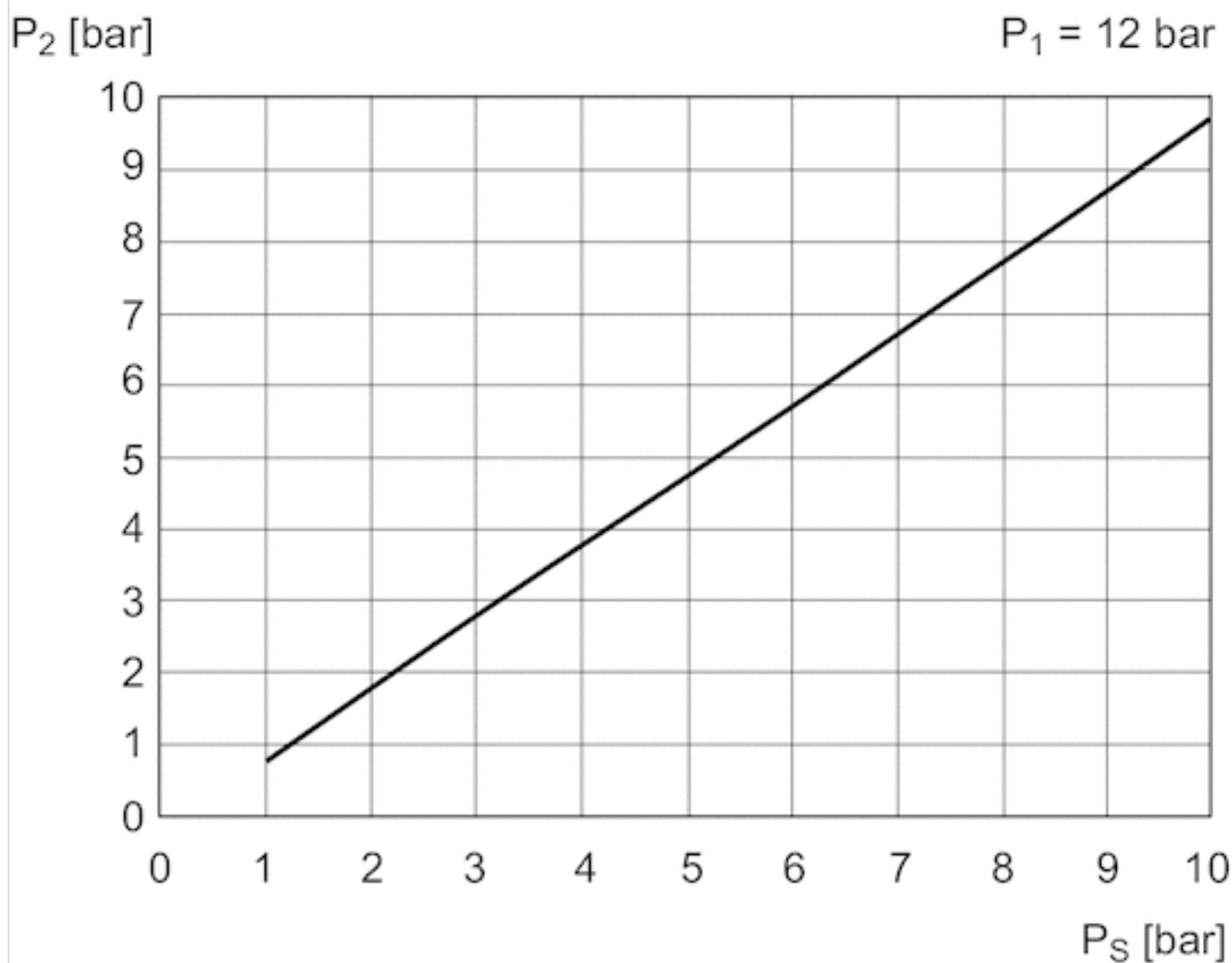
qn = nominal flow  
1) = Starting point

Flow rate characteristic (setting range p2: 0.5 - 8 bar)



p1 = working pressure  
p2 = secondary pressure  
qn = nominal flow

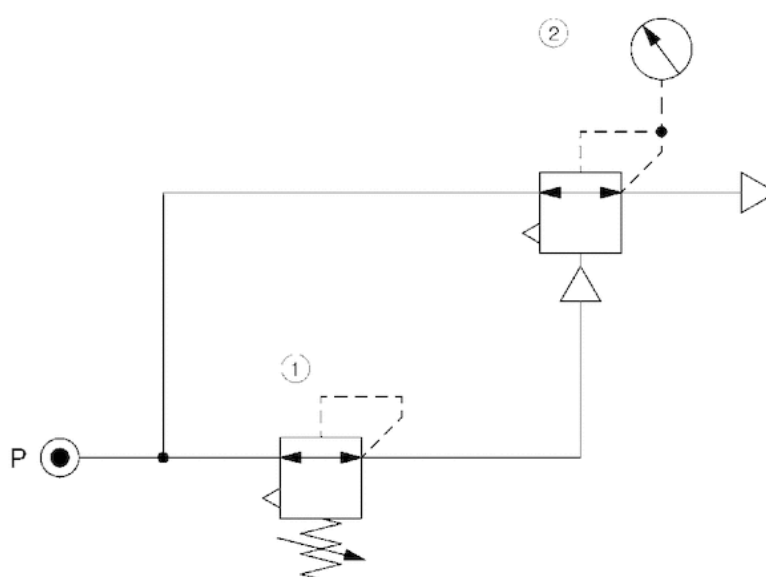
## control pressure characteristic



$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $P_S$  = control pressure

## Circuit diagram

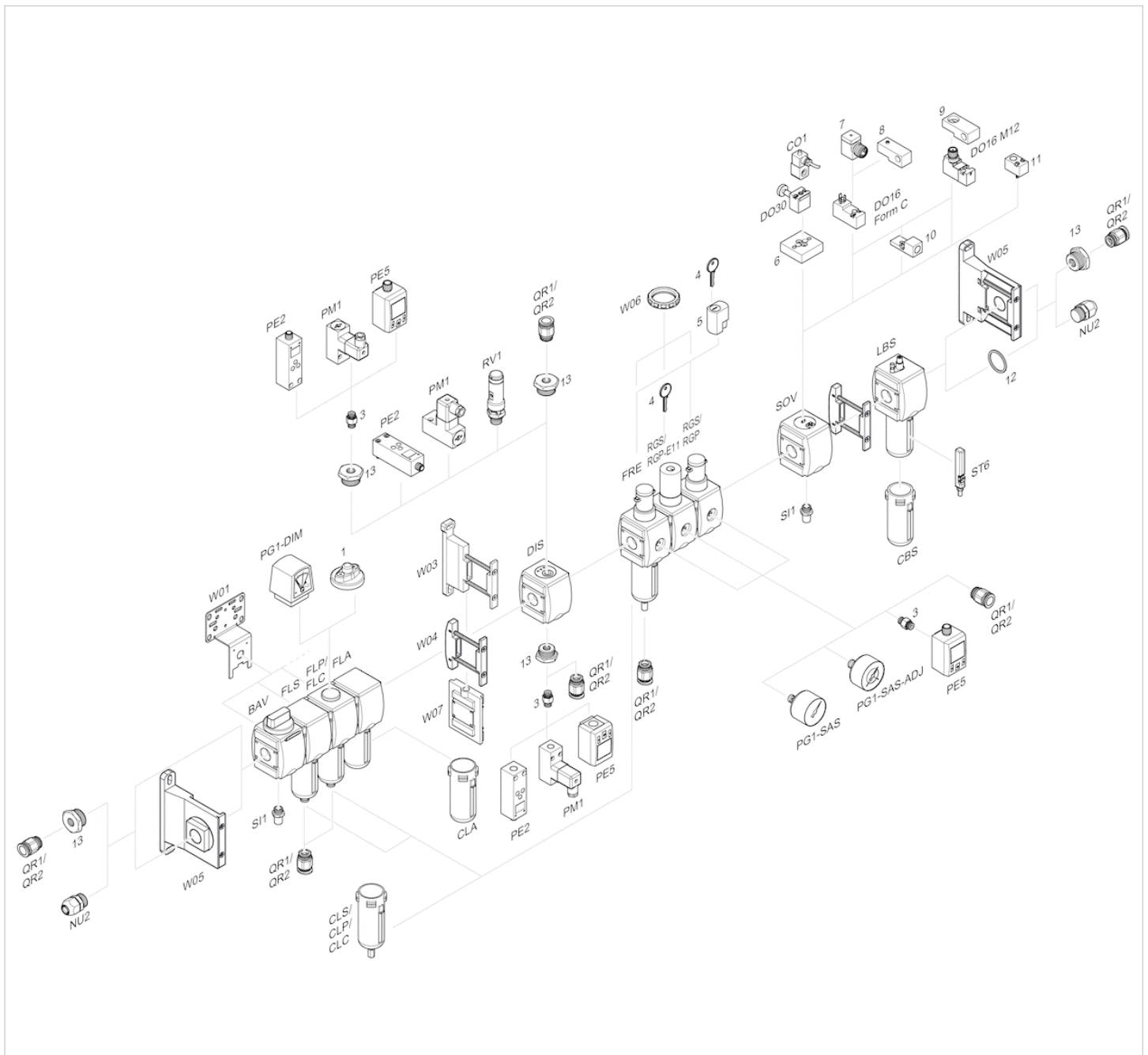
### Application example



1) precision pressure regulator

2) pressure regulator valve, pneumatically operated

## 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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