











# Pressure regulator, Series AS1-RGS-...-DS

- G 1/4
- Air supply left
- Qn = 1000 l/min
- Standard pressure regulator
- Activation Manual
- with continuous pressure supply



Parts	Pressure regulator with continuous pressure supply
Mounting orientation	Any
Working pressure min./max.	See table below
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
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	double
Activation	Manual
Weight	See table below

## Technical data

Part No.			Port	Flow Qn	Working pressure min./max.	Adjustment range min./max.
R412014630			G 1/4	1000 l/min	0,2 ... 12 bar	0,2 ... 4 bar
R412014631			G 1/4	1000 l/min	0,5 ... 12 bar	0,5 ... 8 bar
R412014632			G 1/4	1000 l/min	0,5 ... 12 bar	0,5 ... 10 bar
R412010558		—	G 1/4	1000 l/min	0,1 ... 12 bar	0,1 ... 1 bar
R412014636		—	G 1/4	1000 l/min	0,2 ... 12 bar	0,2 ... 4 bar
R412014637		—	G 1/4	1000 l/min	0,5 ... 12 bar	0,5 ... 8 bar
R412014638		—	G 1/4	1000 l/min	0,5 ... 12 bar	0,5 ... 10 bar

Part No.	Max. pressure gauge Ø in blocked state	Pressure gauge	Weight	Fig.
R412014630	40 mm	With integrated pressure gauge	0,209 kg	Fig. 1
R412014631	40 mm	With integrated pressure gauge	0,209 kg	Fig. 1
R412014632	40 mm	With integrated pressure gauge	0,209 kg	Fig. 1
R412010558	40 mm	-	0,206 kg	Fig. 2
R412014636	40 mm	-	0,206 kg	Fig. 2
R412014637	40 mm	-	0,206 kg	Fig. 2
R412014638	40 mm	-	0,206 kg	Fig. 2

Part No.	
R412014630	1)
R412014631	1)

Part No.	
R412014632	1)
R412010558	2)
R412014636	2)
R412014637	2)
R412014638	2)

Nominal flow Q<sub>n</sub> with secondary pressure p<sub>2</sub> = 6 bar at Δp = 1 bar

1) regulator with pressure gauge

2) 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 .

Relieving exhaust (≤ 0.3 bar over set pressure).

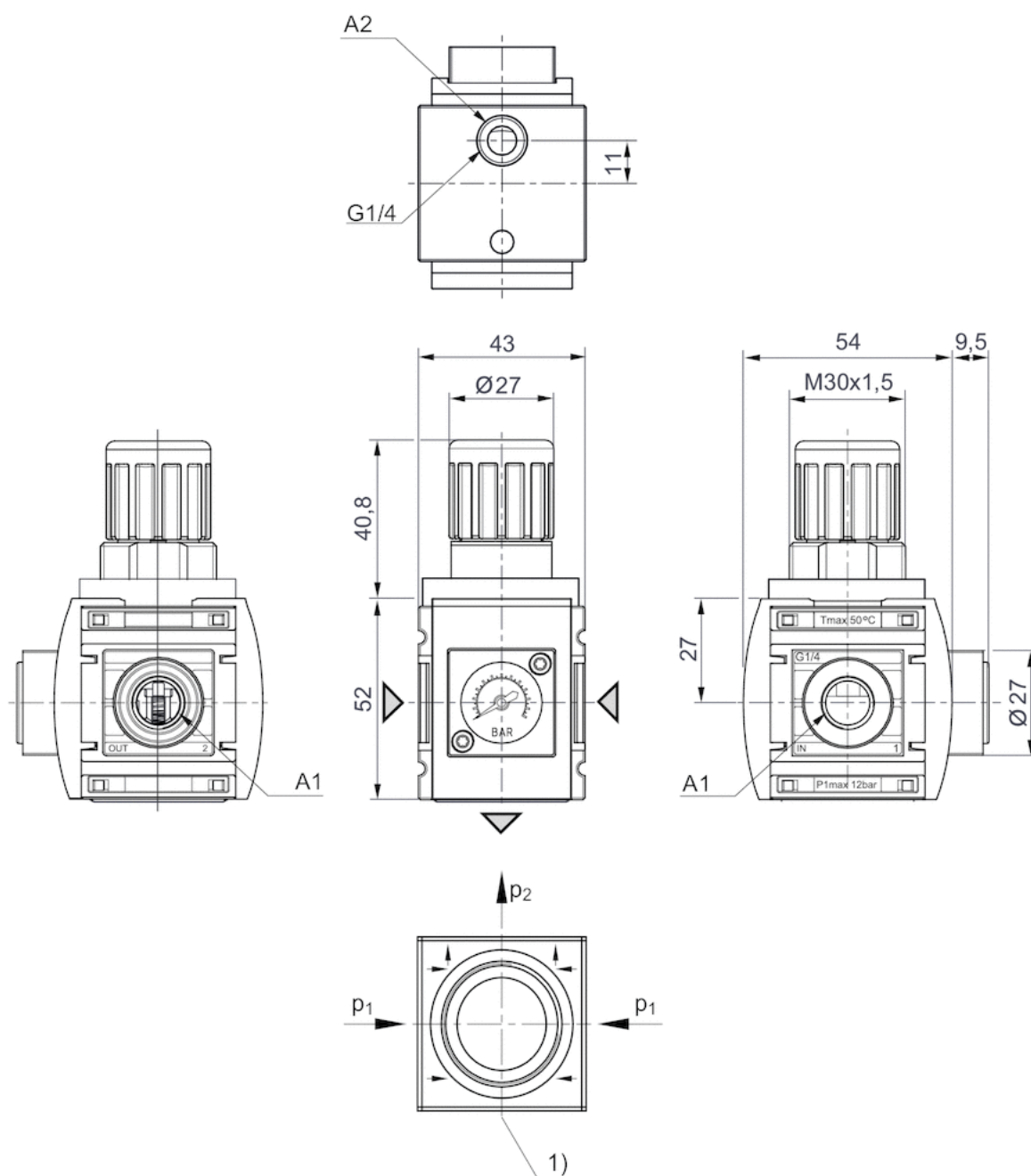
With rear exhaust (> 3 bar ).

## Technical information

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

## Dimensions

## Dimensions, Fig. 1

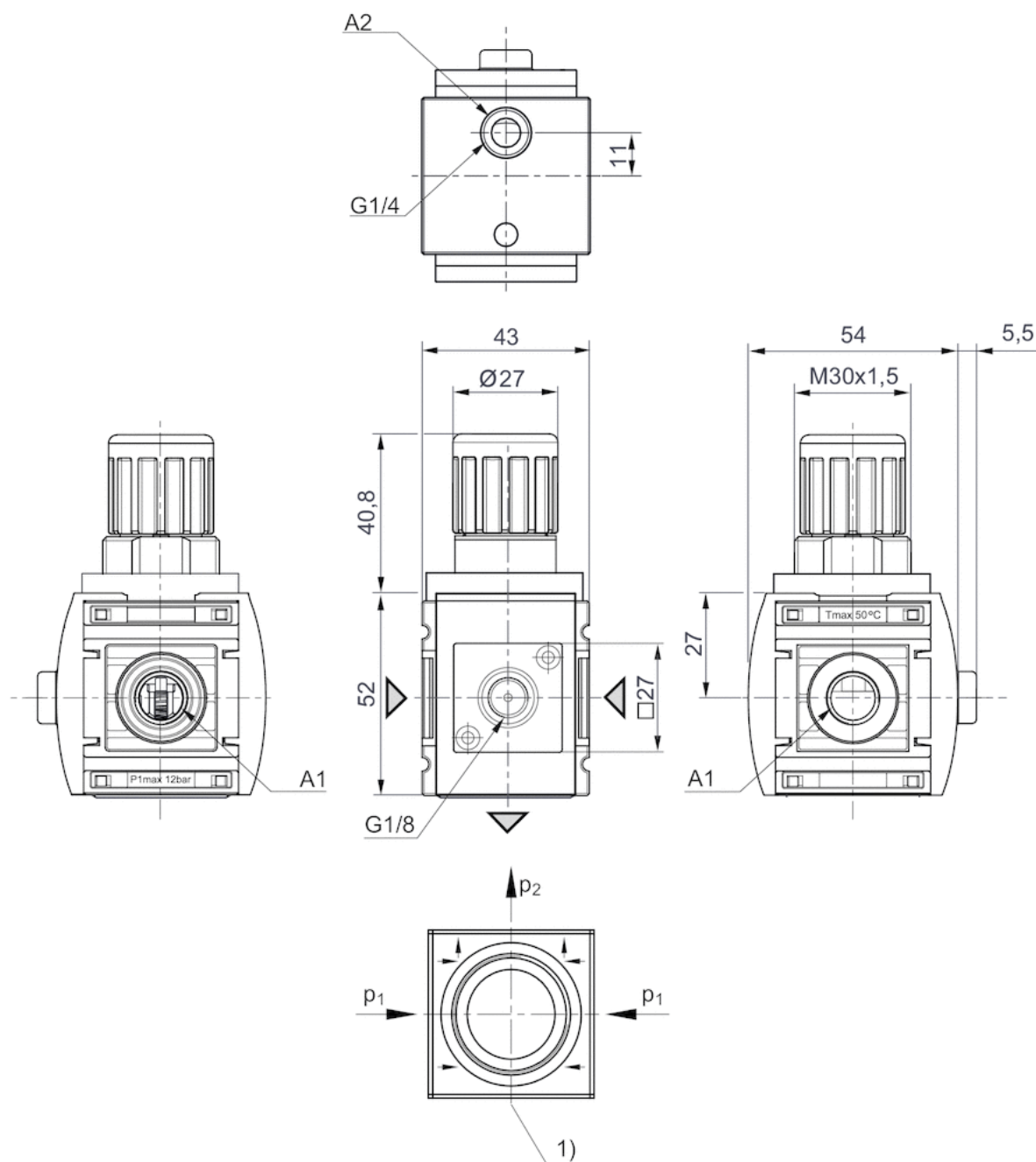


A1 = input

A2 = output

1) Pressure gauge connection

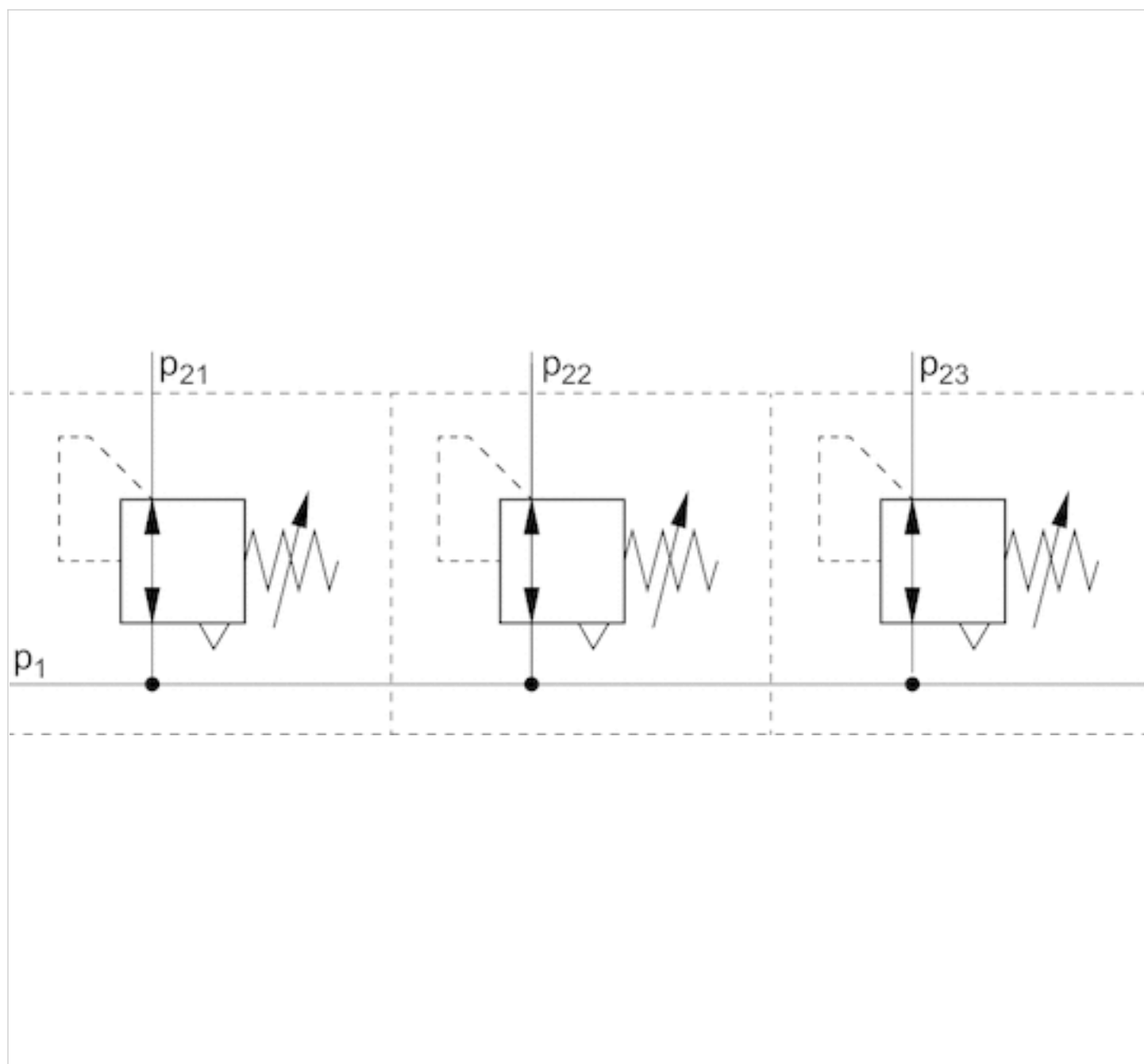
Dimensions in mm, Fig. 2



A1 = input  
A2 = output

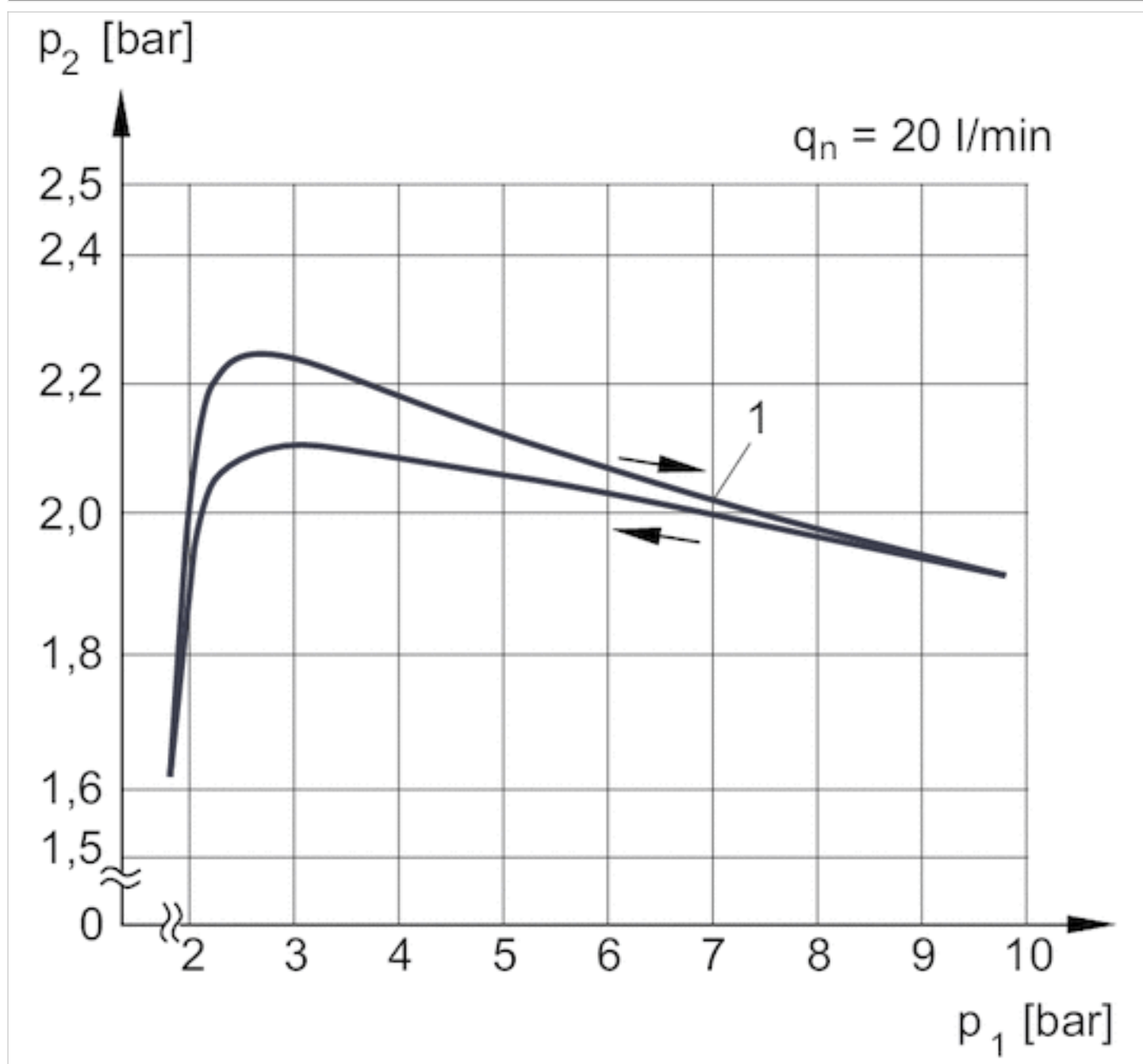
## Diagrams

### Application example



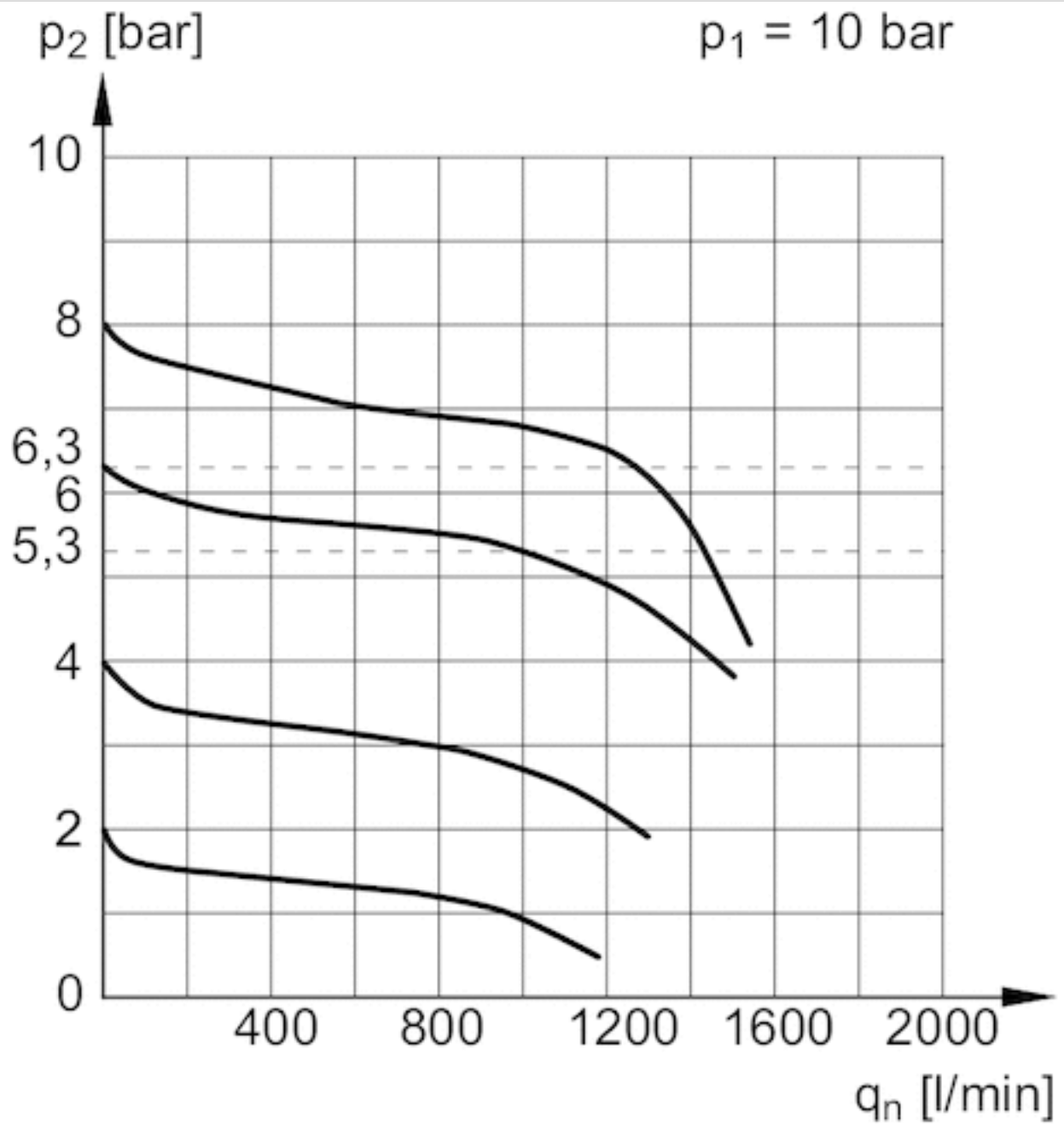
$p_1$  = working pressure

## Pressure characteristics curve



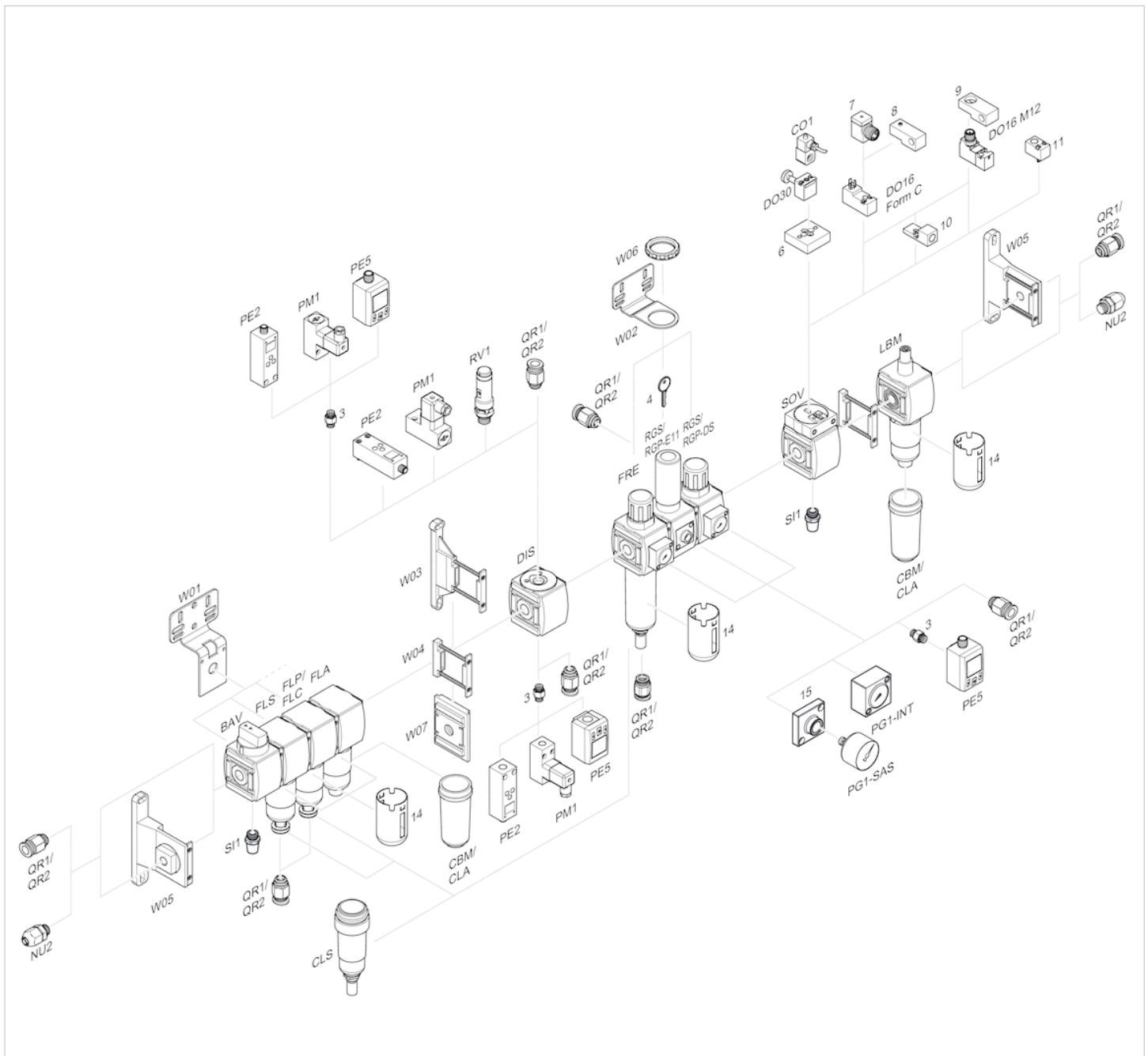
$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow  
 1) = Starting point

## Flow rate characteristic



$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow

## Accessories overview



- 3 = Double nipple
- 4 = Key for E11 locking
- 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
- 14 = Protective guard
- 15 = Transition plate for assembling a pressure gauge with connection thread G 1/8



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2020-12



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