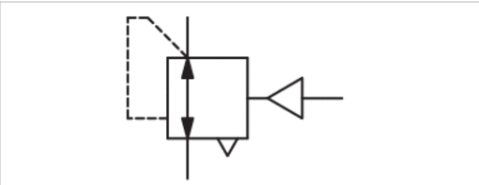
Pressure regulator, Series MU1-RGS

- G 3/4 G 1 G 1 1/2
- Qn = 15000-31500 l/min
- Standard pressure regulator
- Activation pneumatically
- suitable for ATEX



Parts	Pressure regulator
Mounting orientation	Any
Certificates	suitable for ATEX
Working pressure min./max.	0,5 ... 40 bar
Control pressure min./max.	0,5 ... 20 bar
Ambient temperature min./max.	-10 ... 80 °C
Medium temperature min./max.	-10 ... 80 °C
Medium	Compressed air Neutral gases
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 20 bar
Pressure supply	single
Activation	pneumatically
Weight	2 kg

Technical data

Part No.	Port	Flow	Fig.
		Qn	
R412007600	G 3/4	15000 l/min	Fig. 1
R976750953	G 1	15000 l/min	Fig. 1
R412006577	G 1 1/2	31500 l/min	Fig. 2

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

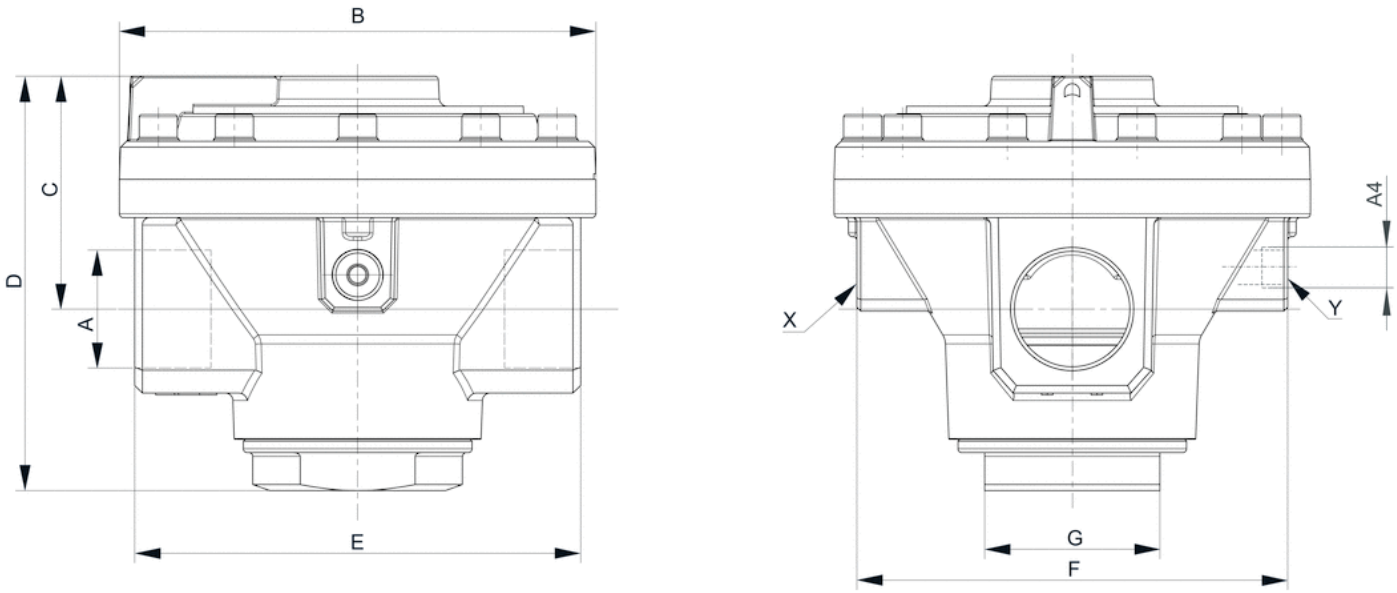
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
mounting: mounting bracket R412004873 or installation in piping
Suitable for use in Ex zones 1, 2, 21, 22.

Technical information

Material	
Housing	Zinc Die-cast aluminum
Seals	Nitrile rubber Acrylonitrile butadiene rubber

Dimensions

Dimensions

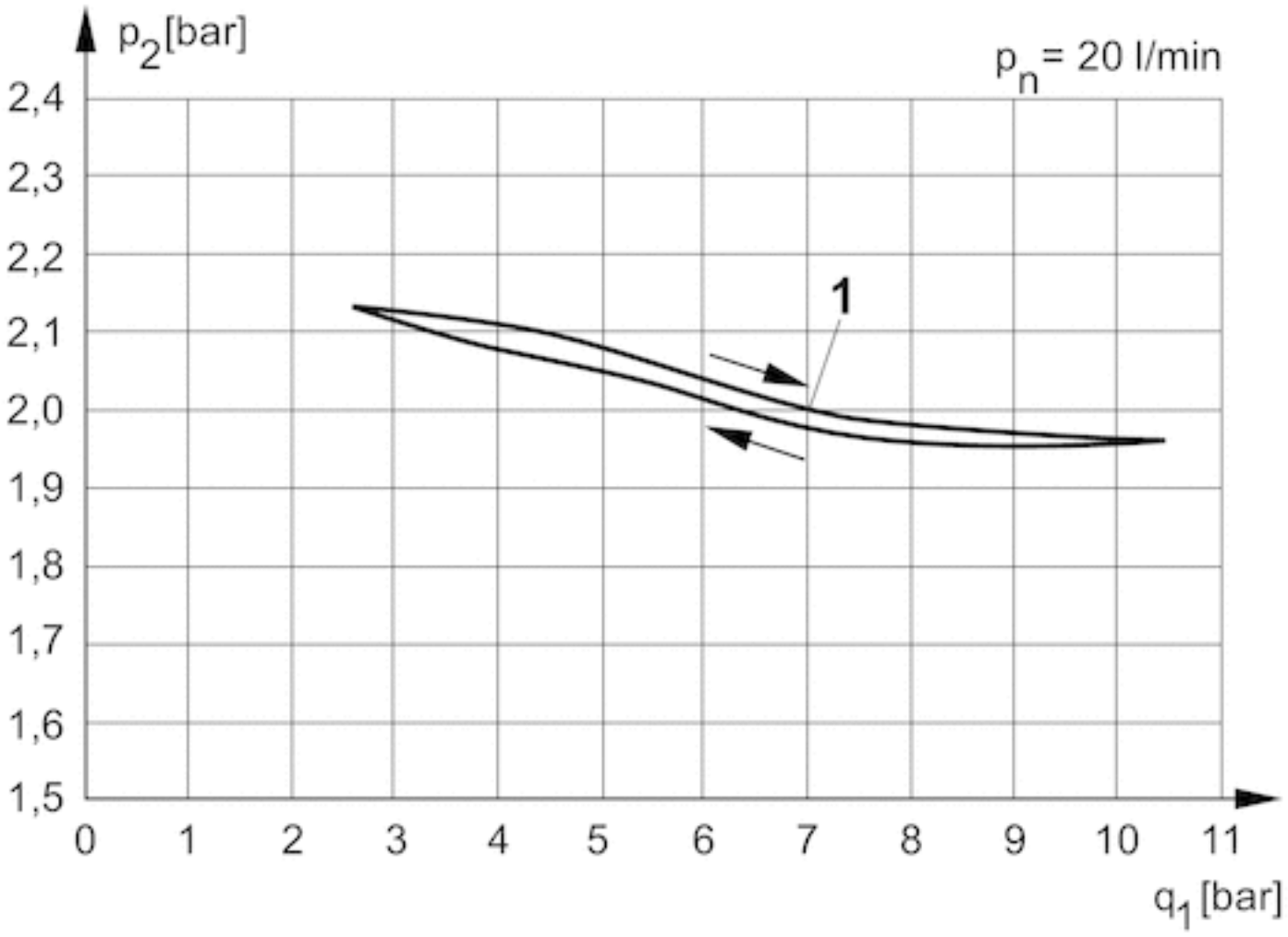


Dimensions in mm

A1	A4	B ±7	C ±5	D ±7	E ±5	F ±7	G	Pressure gauge hole closed
G 3/4	G 1/4	125	61	109	117	113	SW46	XY
G 1	G 1/4	125	61	109	117	113	SW46	X
G 1 1/2	G 1/4	125	74.5	127	118.5	118	SW41	X

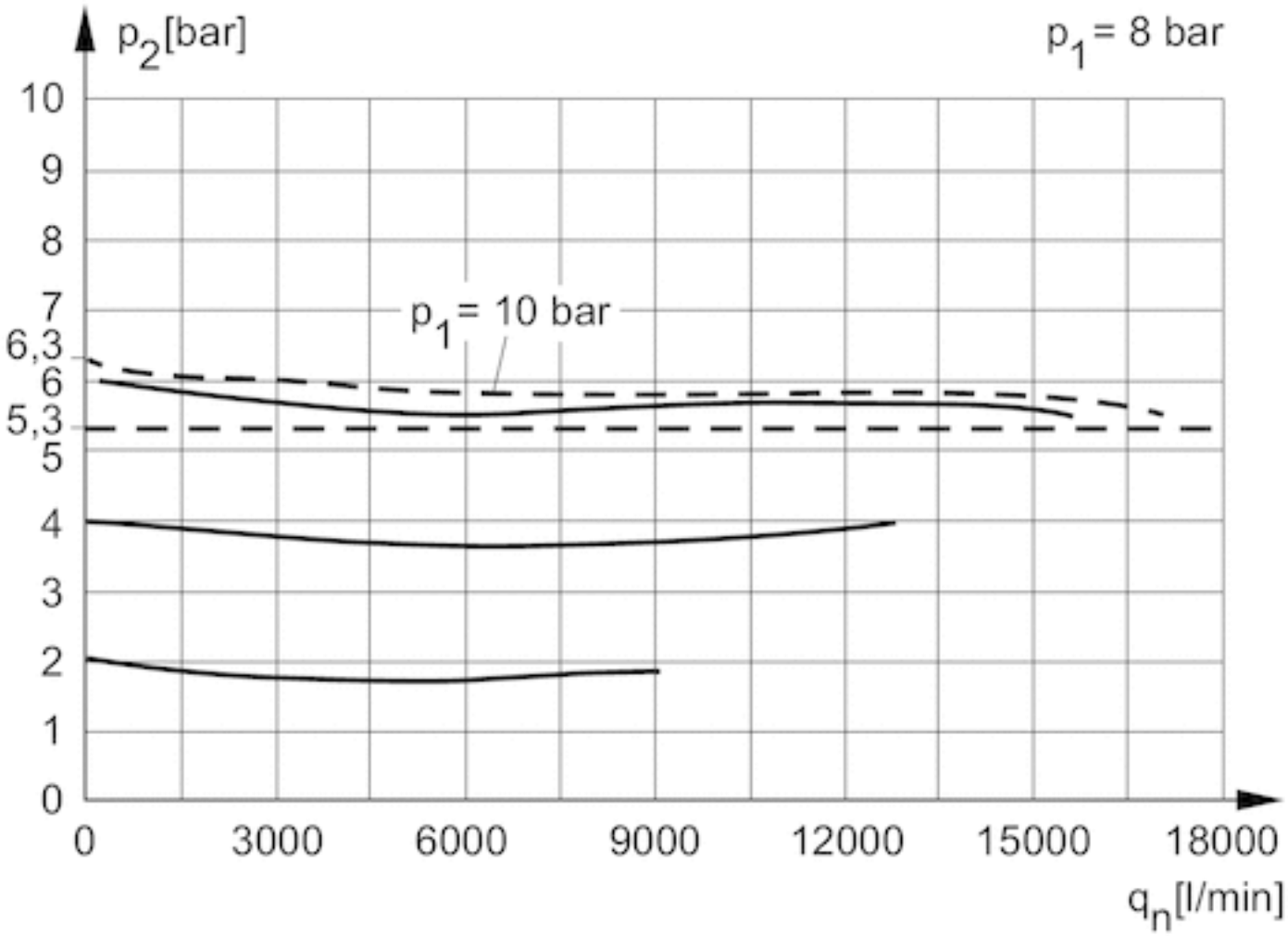
Diagrams

Pressure characteristics curve, Fig. 1



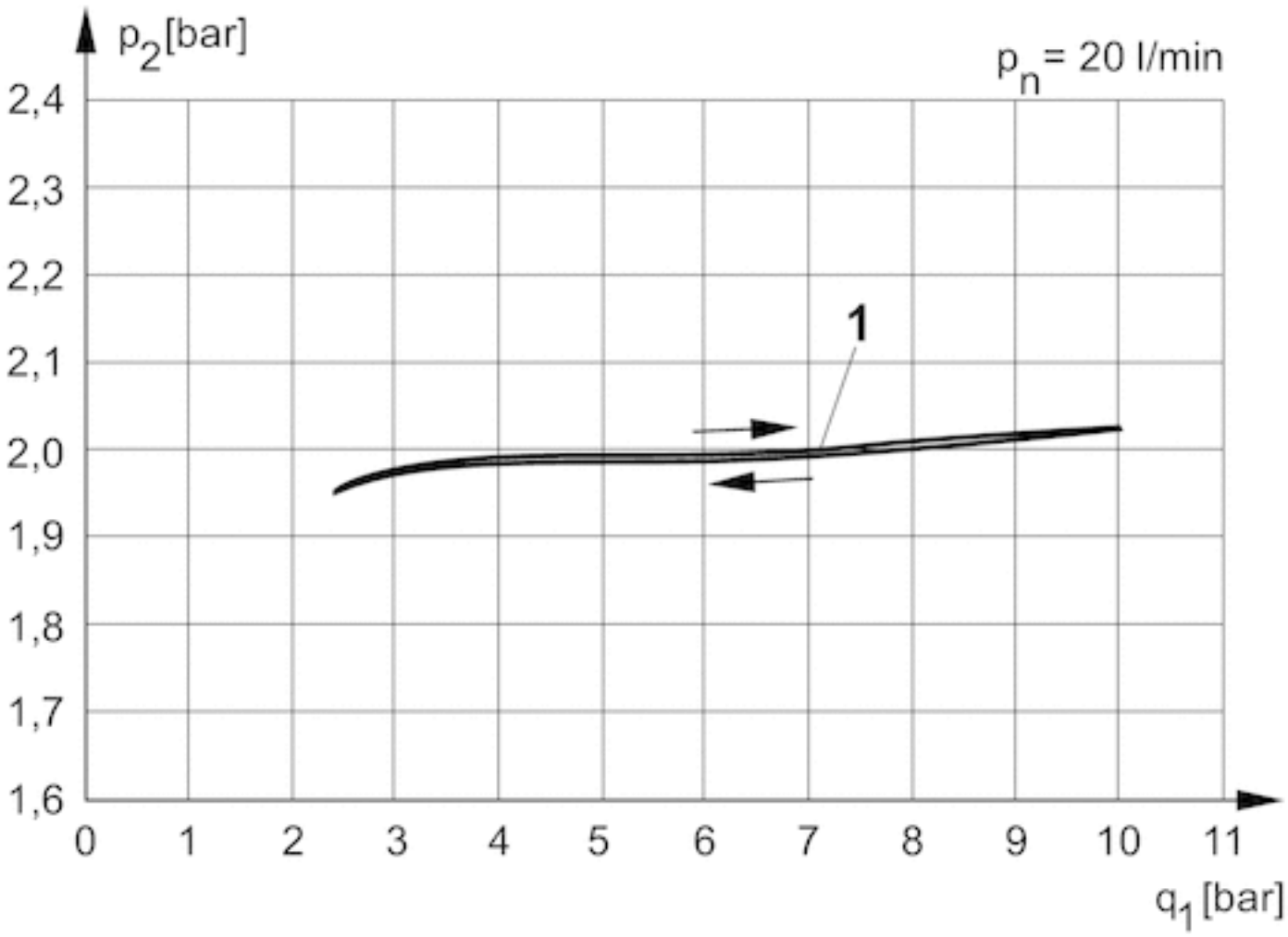
p1 = working pressure, p2 = secondary pressure, q = flow rate
1) = Starting point

Flow rate characteristic, Fig. 1



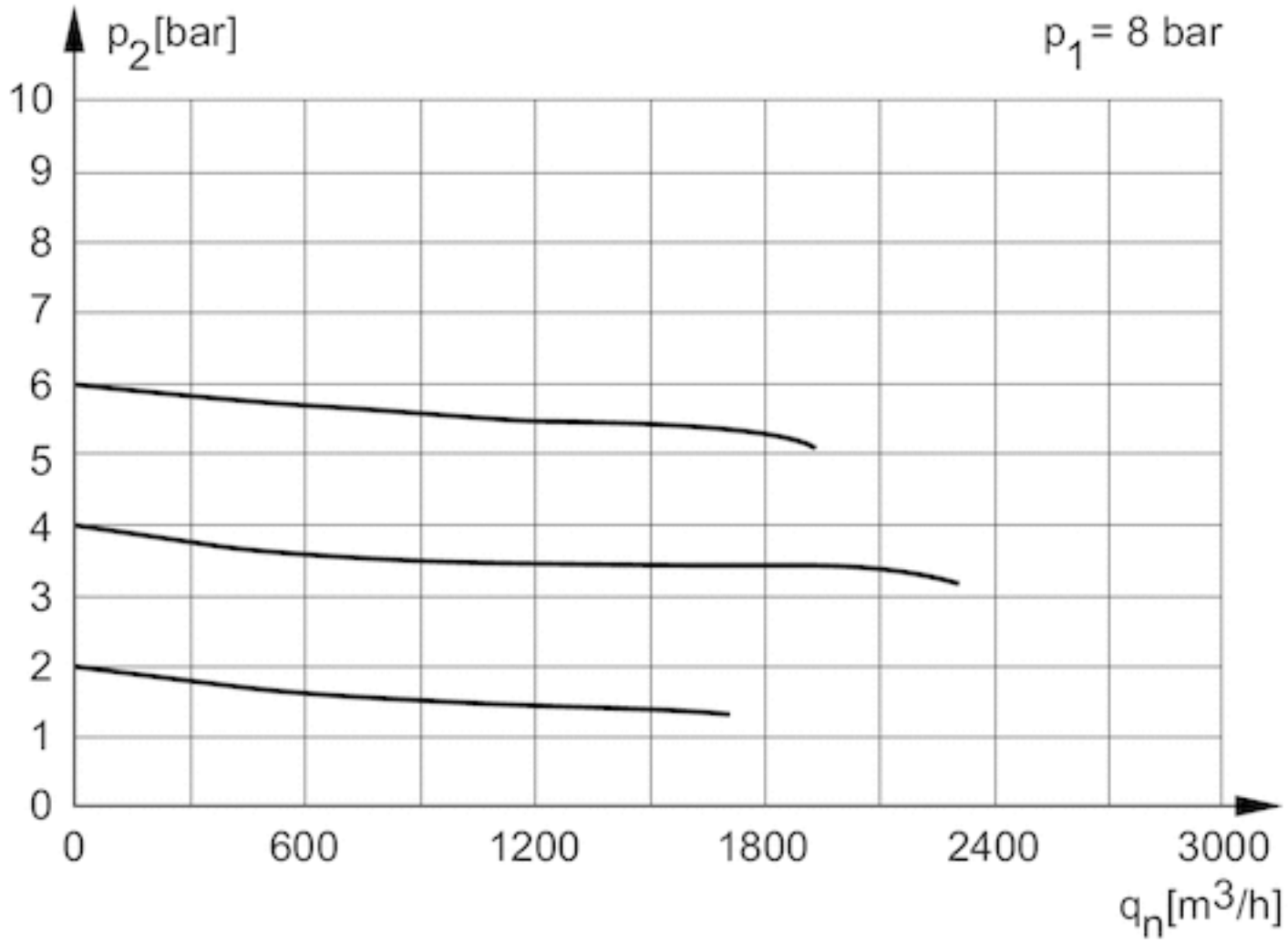
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure characteristics curve, Fig. 2



p1 = working pressure, p2 = secondary pressure, q = flow rate
1) = Starting point

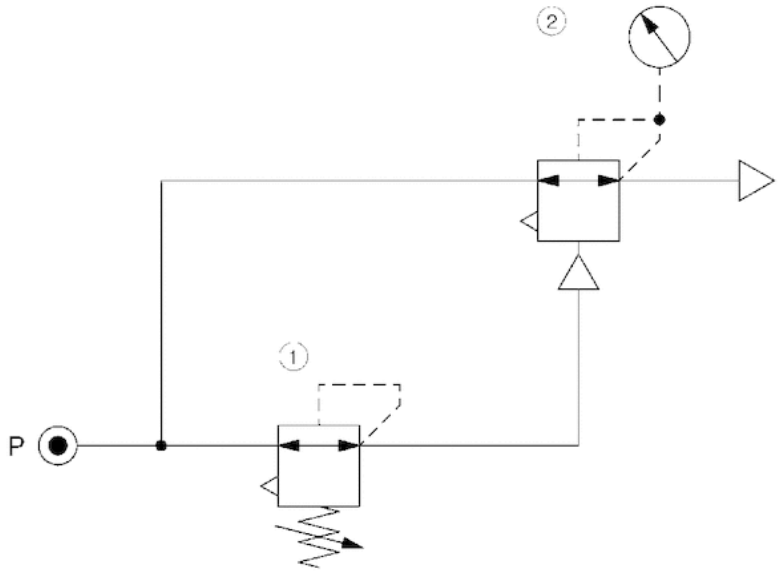
Flow rate characteristic, Fig. 2



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Circuit diagram

Application example



1) precision pressure regulator
2) pressure regulator valve, pneumatically operated

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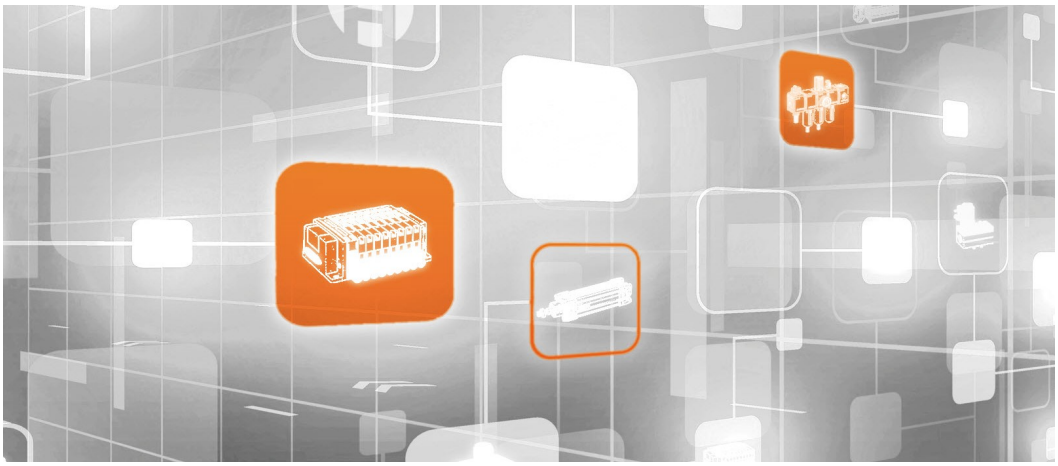

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