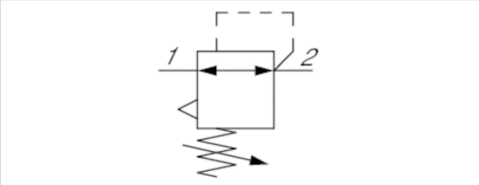
Precision pressure regulator, Series PR1-RGP

- G 1/4 G 3/8 G 1/2
- Qn = 2200-6500 l/min
- Precision pressure regulator
- Activation Mechanical
- suitable for ATEX



Parts	Precision pressure regulator
Mounting orientation	Any
Certificates	suitable for ATEX
Working pressure min./max.	0,5 ... 16 bar
Ambient temperature min./max.	-35 ... 60 °C
Medium temperature min./max.	-35 ... 60 °C
Medium	Compressed air Neutral gases
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Activation	Mechanical
Internal air consumption qv max.	6 l/min
Weight	1,5 kg

Technical data

Part No.	Port	Flow	Adjustment range min./max.
		Qn	
0821302565	G 1/4	2200 l/min	0,05 ... 3 bar
0821302566	G 1/4	2600 l/min	0,05 ... 5 bar
0821302567	G 1/4	3000 l/min	0,05 ... 7 bar
0821302554	G 3/8	3200 l/min	0,05 ... 3 bar
0821302555	G 3/8	4000 l/min	0,05 ... 5 bar
0821302556	G 3/8	5000 l/min	0,05 ... 7 bar
0821302173	G 1/2	6500 l/min	0,05 ... 7 bar

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

Internal air consumption depending on adjustment range, 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 .
Relieving exhaust (≤ 10 mbar over set pressure)
Mounting: mounting bracket R412004872 or installation in piping

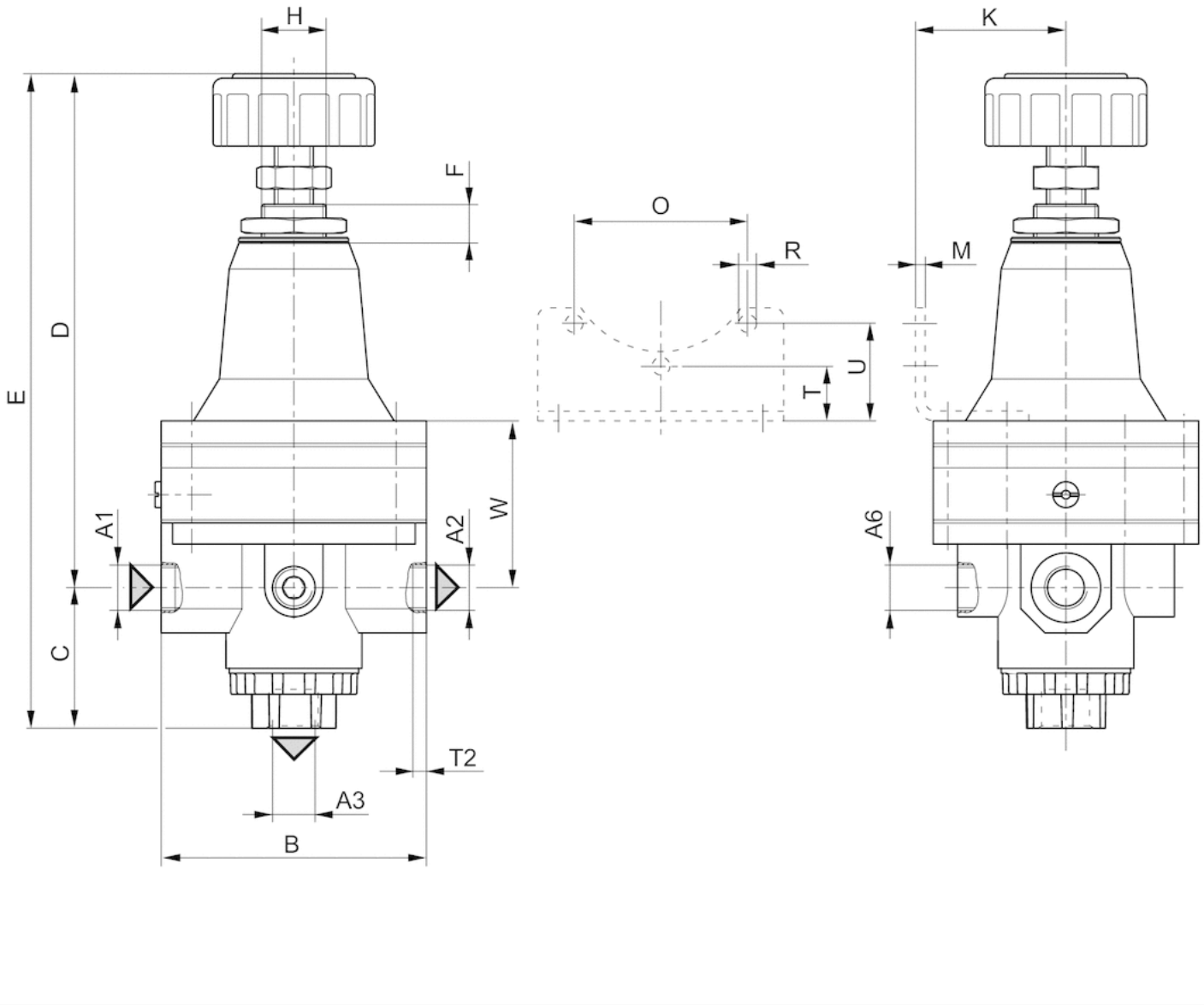
Recommended pre-filtering 0,01 µm

Technical information

Material	
Housing	Die cast zinc
Seals	Chloroprene rubber

Dimensions

Dimensions



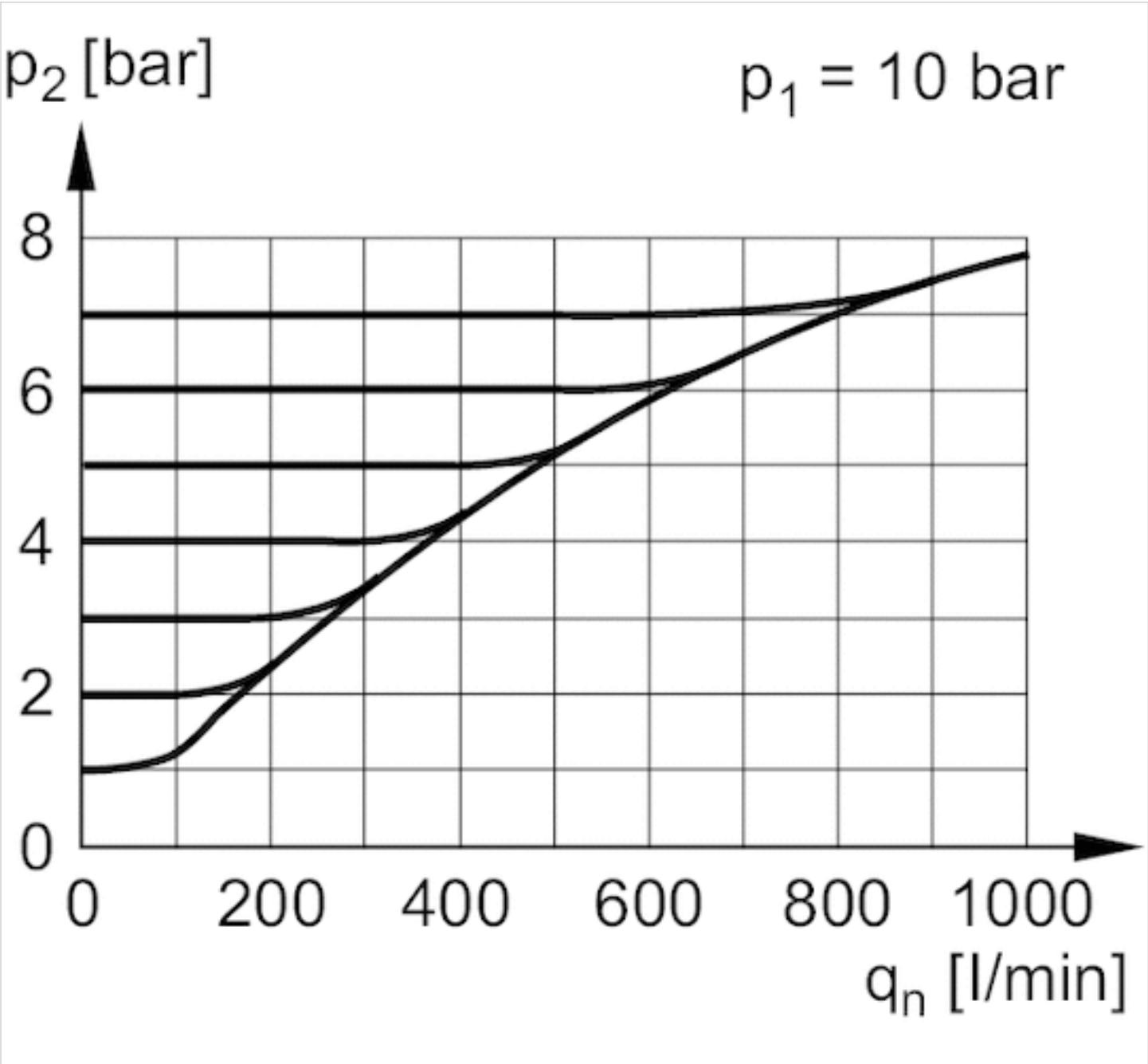
A1 = input
A2 = output
A3 = output
A6 = output

Dimensions in mm

A1	A2	A3	A6	B	C	D	E	F	H	K	M	O	R	T	T2	U	W
G 1/4	G 1/4	G 3/8	G 1/4	82	43.5	159	202.5	10	M20x1,5	47	3	54	4	17	16	30	51.6
G 3/8	G 3/8	G 3/8	G 1/4	82	43.5	159	202.5	10	M20x1,5	47	3	54	4	17	16	30	51.6
G 1/2	G 1/2	G 3/8	G 1/4	82	43.5	159	202.5	10	M20x1,5	47	3	54	4	17	16	30	51.6

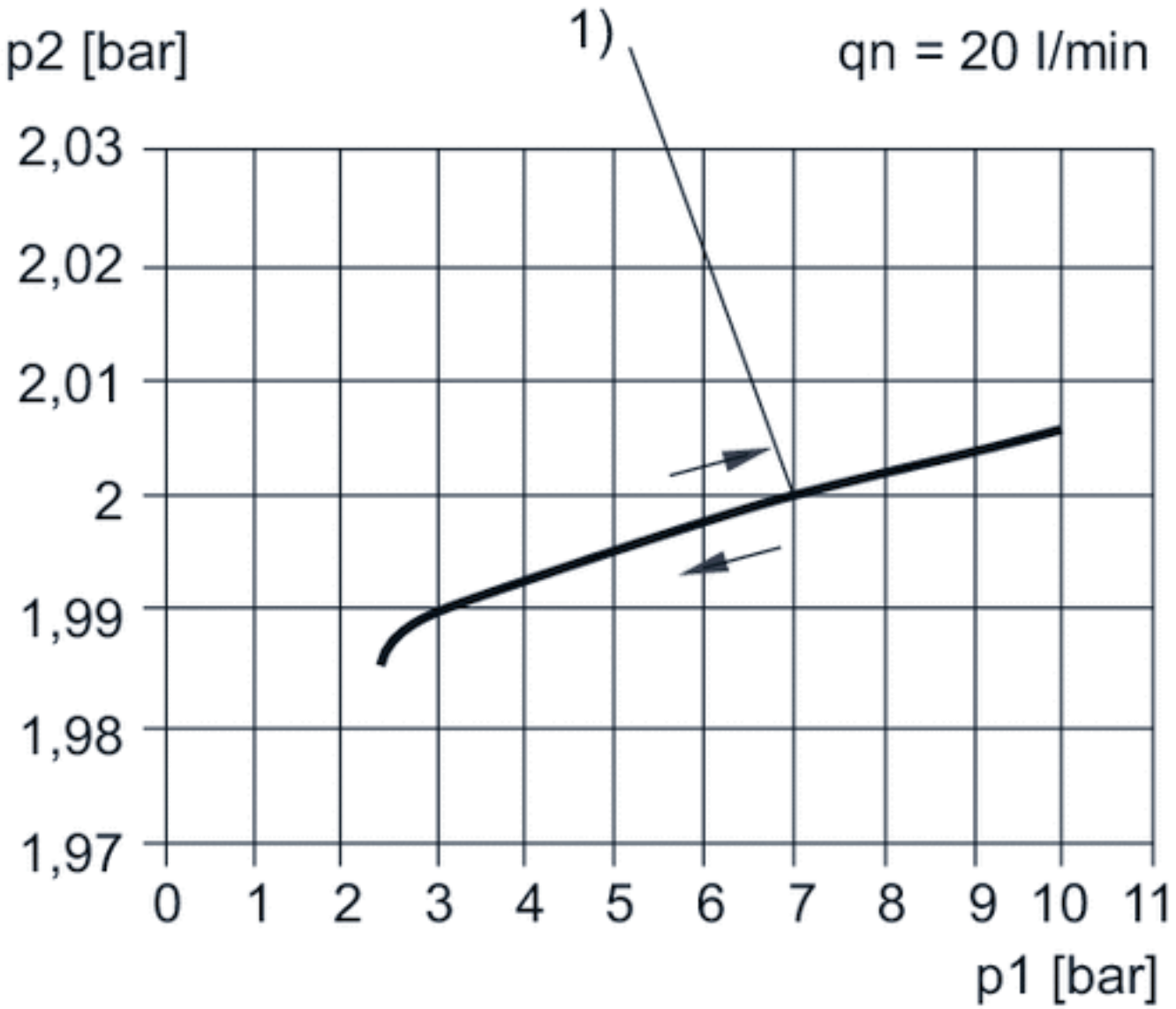
Diagrams

exhaust characteristics (contact limit 10 mbar)



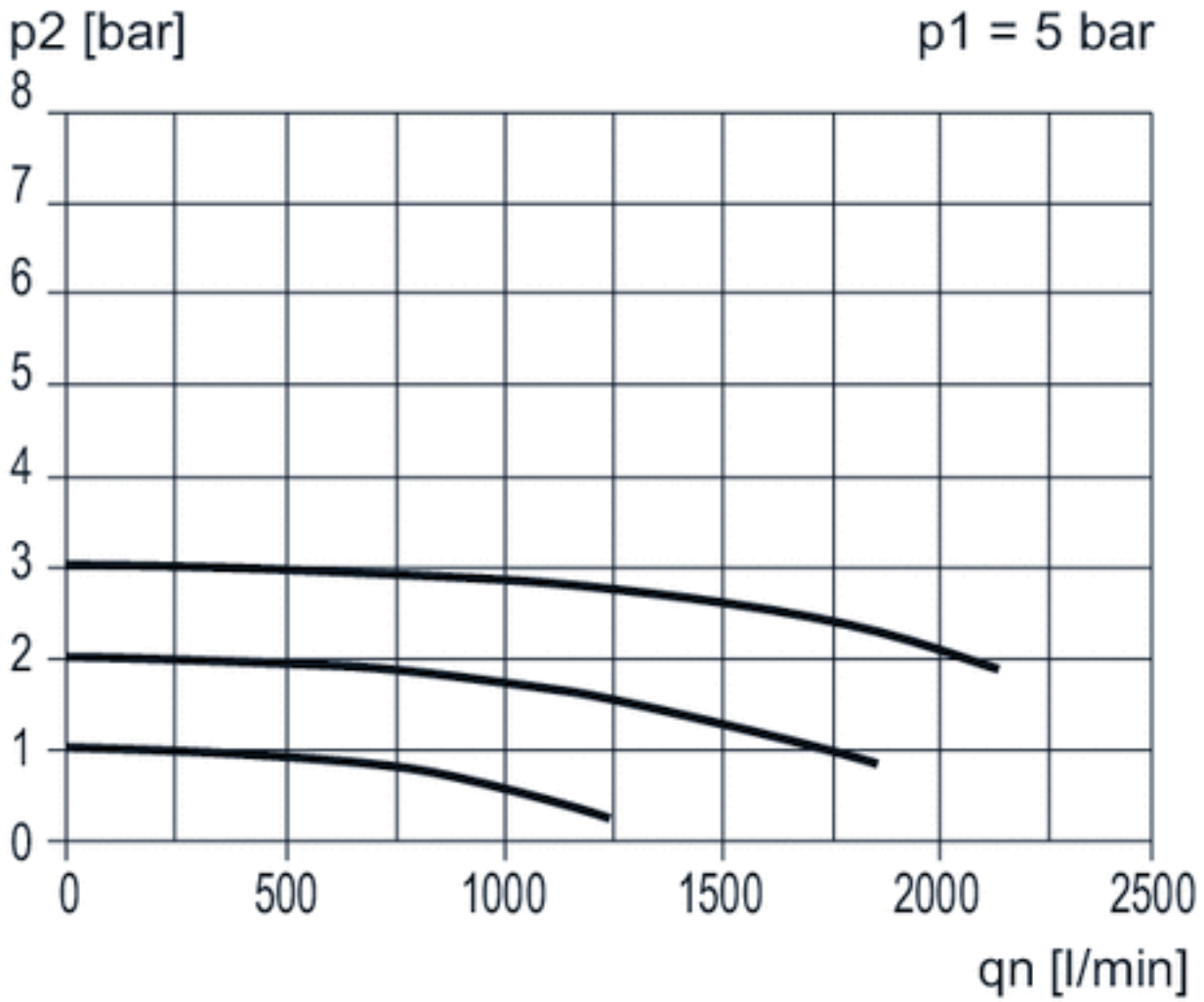
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Hysteresis



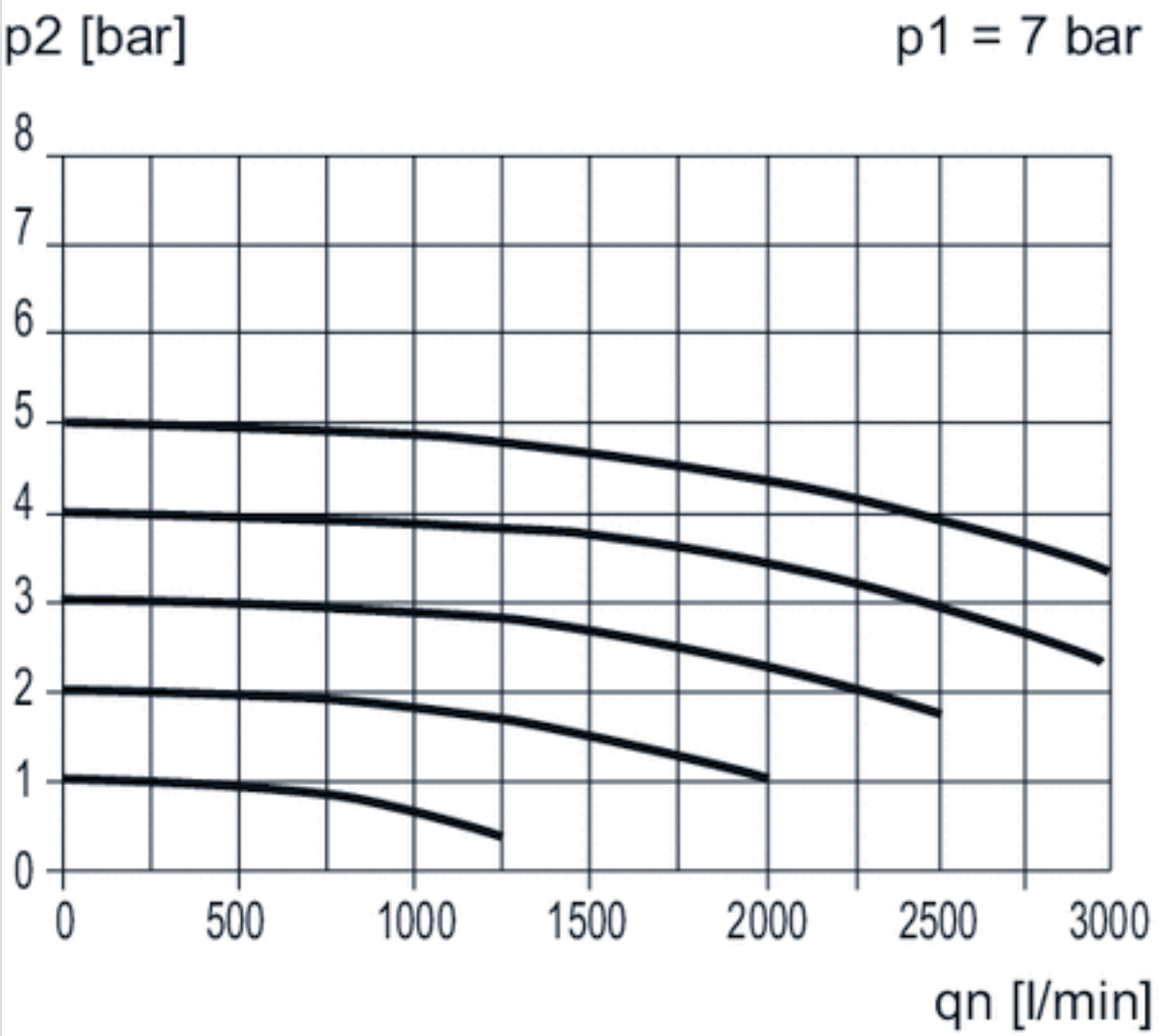
p1 = working pressure
p2 = secondary pressure
q = flow rate
1) * starting point

Flow rate characteristic, 0821302565



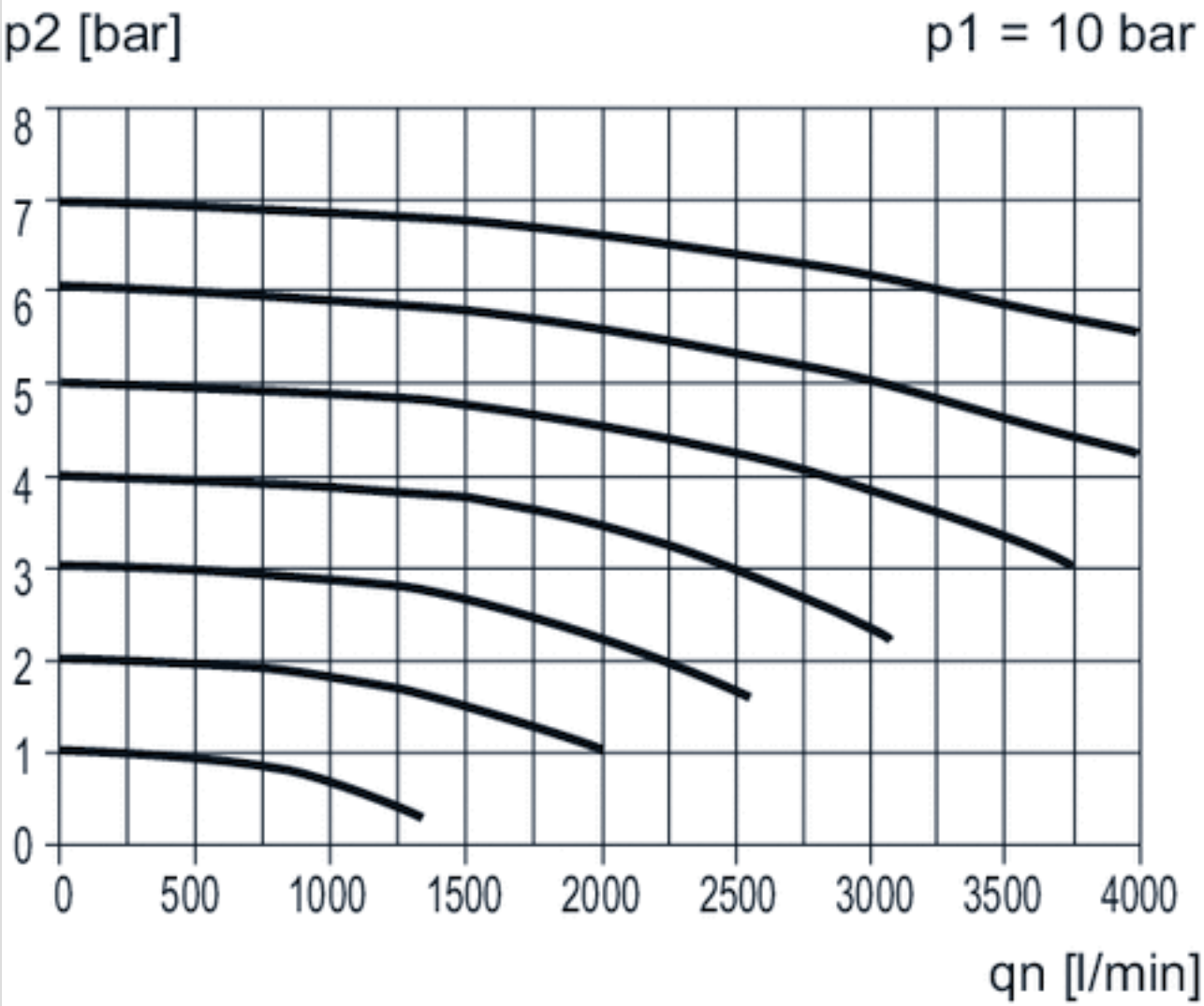
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic, 0821302566



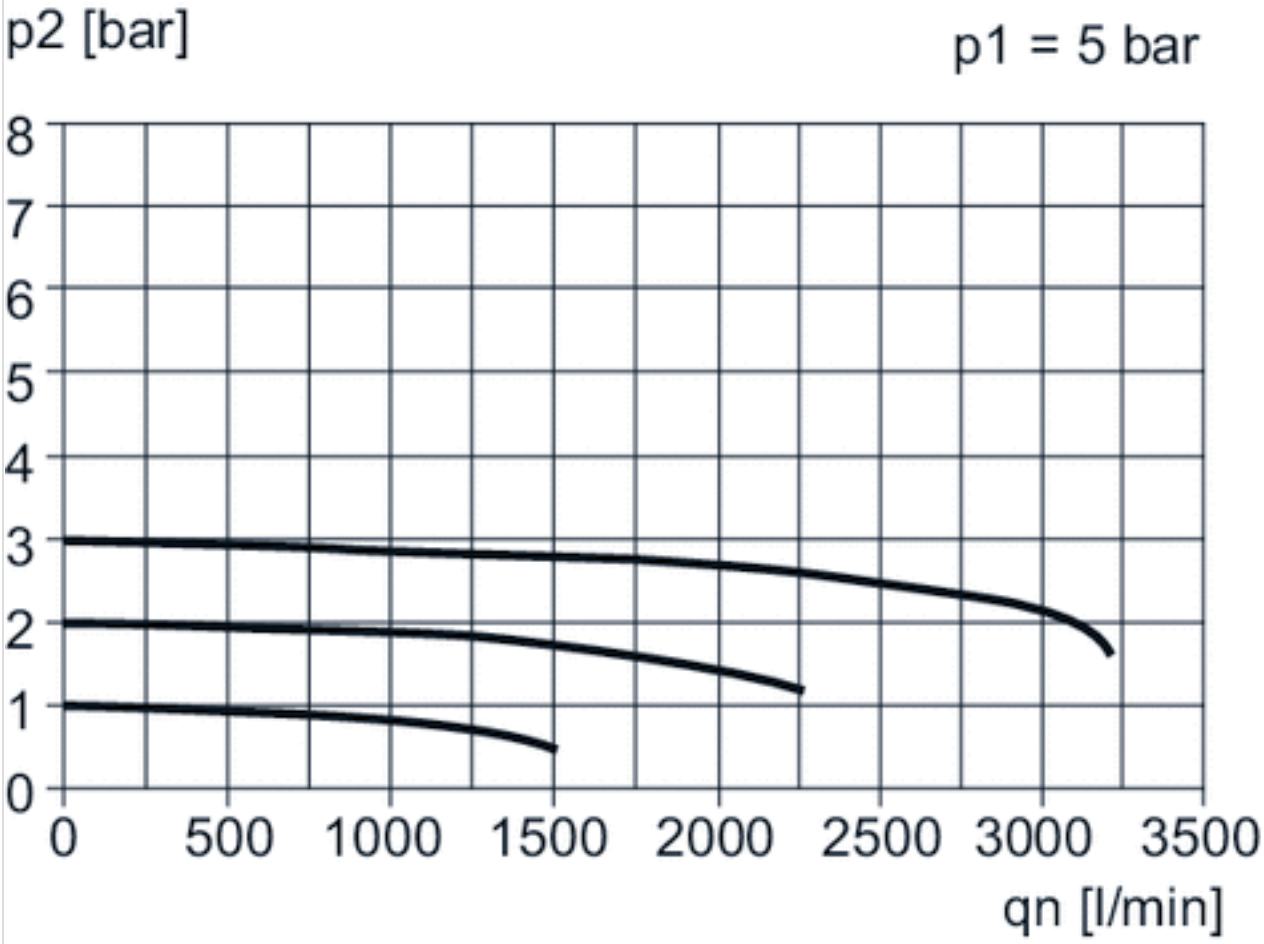
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic, 0821302567



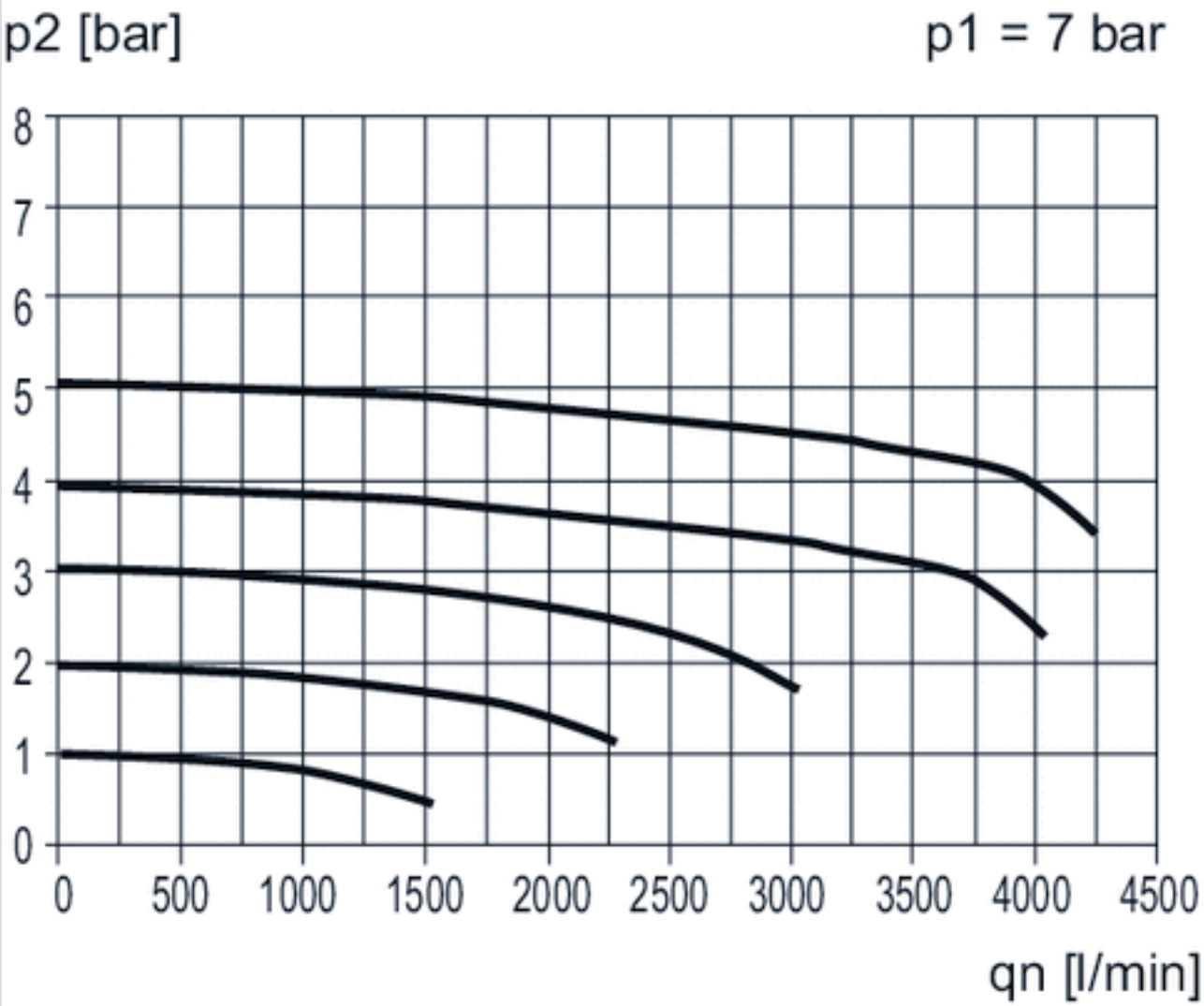
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic, 0821302554



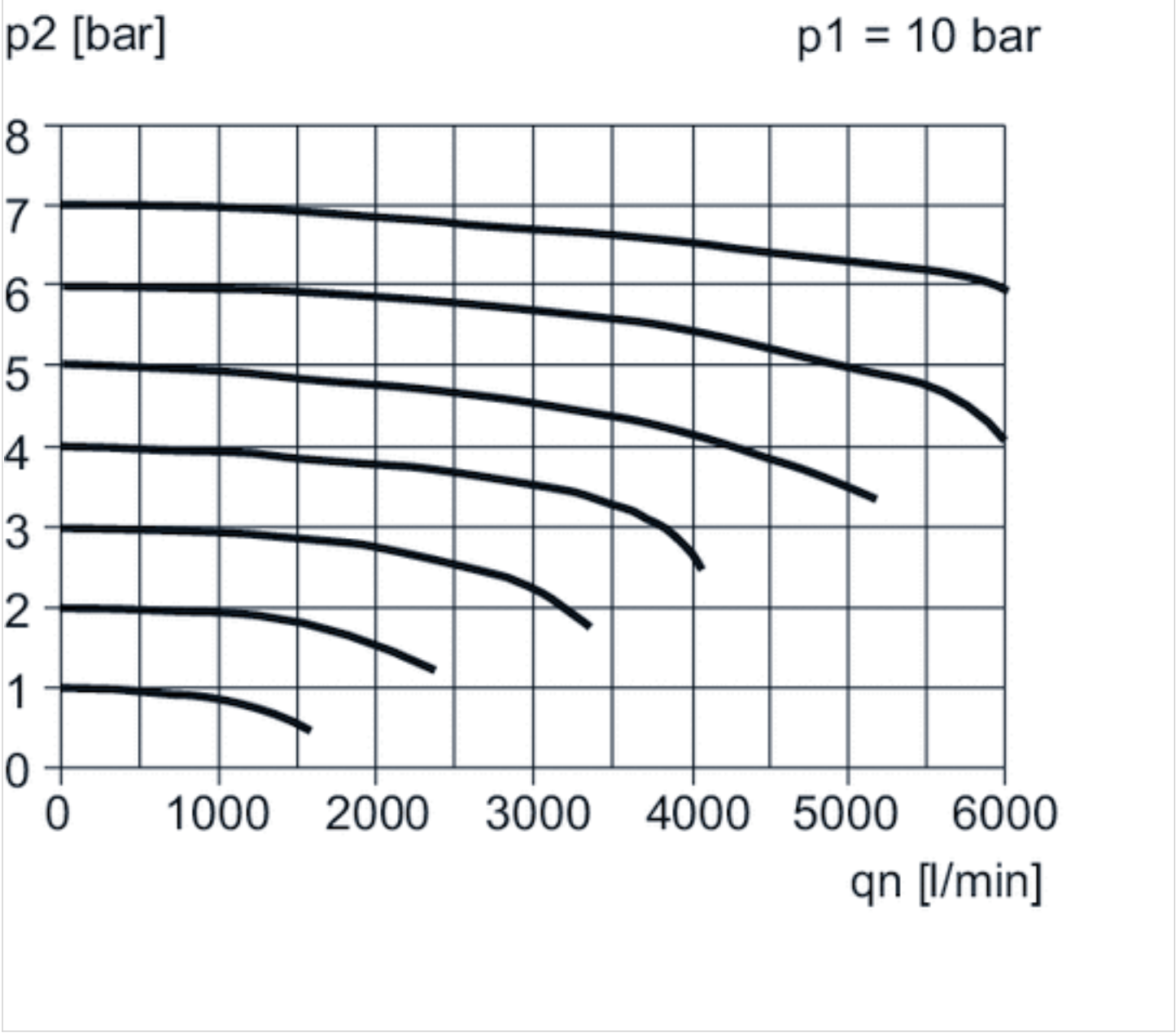
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic, 0821302555



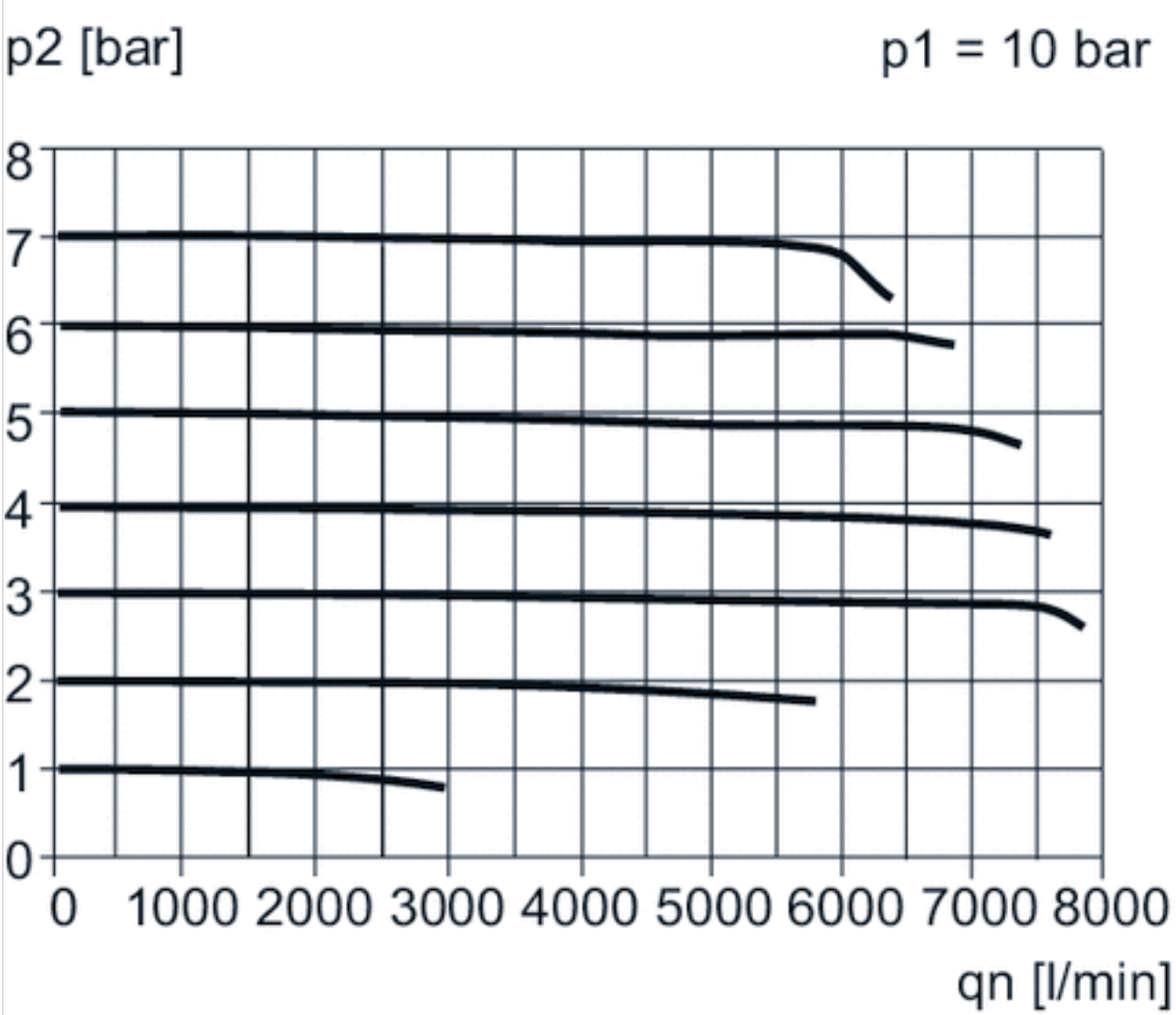
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic, 0821302556



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

Flow rate characteristic, 0821302173



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

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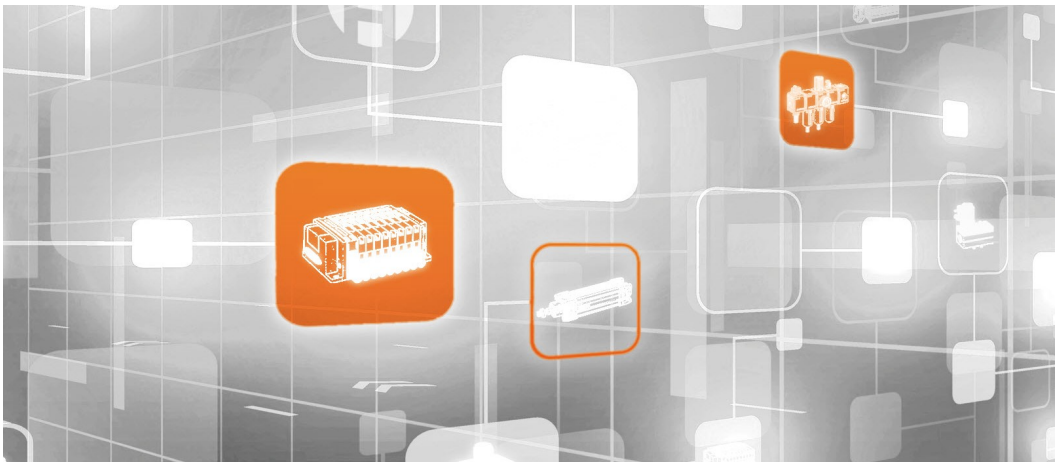

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