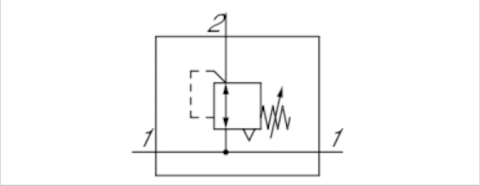
Precision pressure regulator, Series NL4-RGP-...-DS

- G 1/2
- Qn = 5600 l/min
- Precision pressure regulator
- Activation Mechanical
- with continuous pressure supply
- suitable for ATEX



Parts	Precision pressure regulator with continuous pressure supply
Mounting orientation	Any
Certificates	suitable for ATEX
Working pressure min./max.	0,5 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °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	Mechanical
Internal air consumption qv max.	2,6 l/min
Weight	0,867 kg

Technical data

Part No.	Port	Flow	Adjustment range min./max.	Max. pressure gauge Ø in blocked state
		Qn		
0821302524	G 1/2	5600 l/min	0,1 ... 3 bar	40 mm
0821302525	G 1/2	5600 l/min	0,2 ... 6 bar	40 mm
0821302526	G 1/2	5600 l/min	0,5 ... 10 bar	40 mm

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

Order pressure gauge separately, 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.
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).

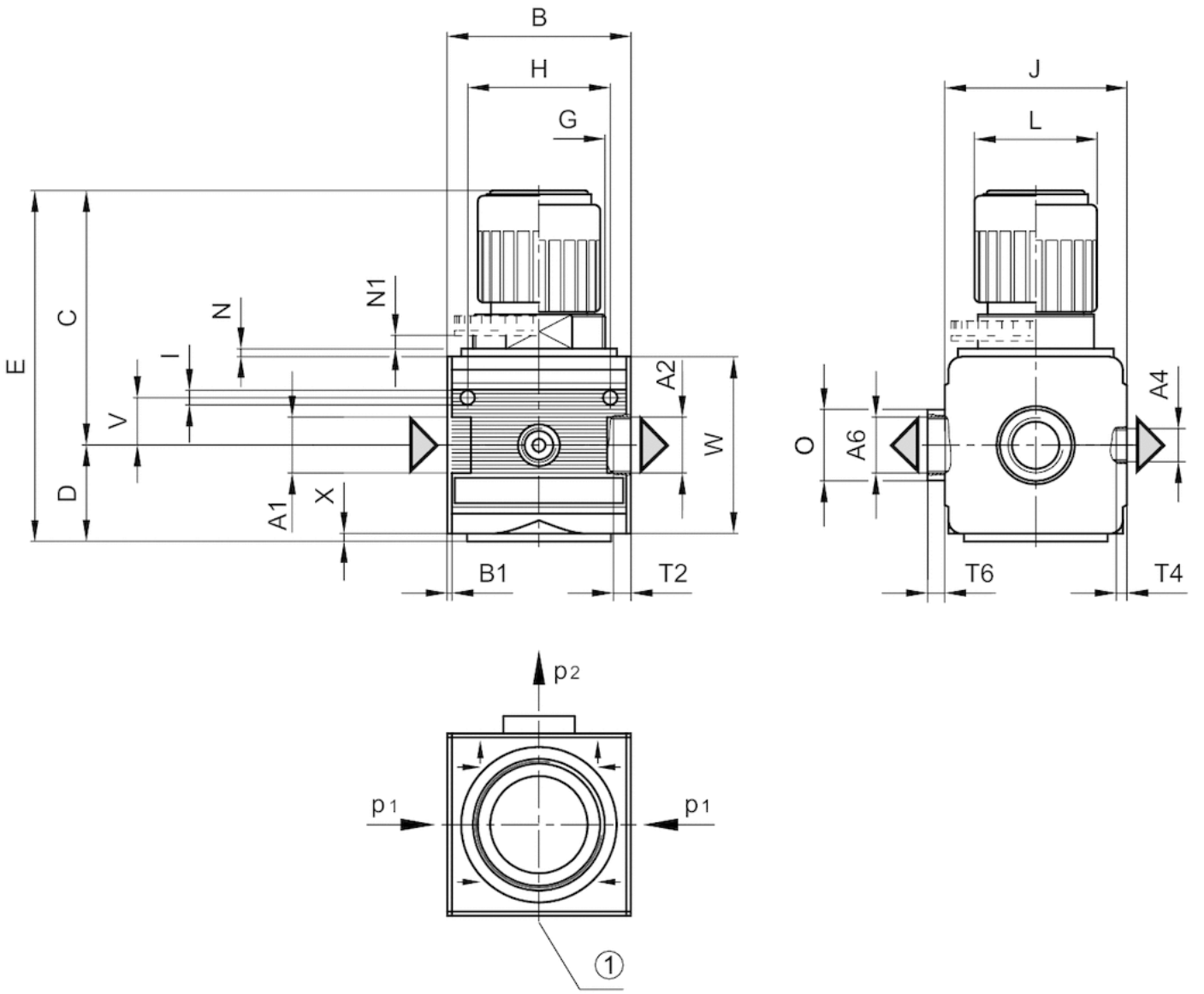
Recommended pre-filtering 5 µm

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



A1 = input
A2 = output
A4 = output

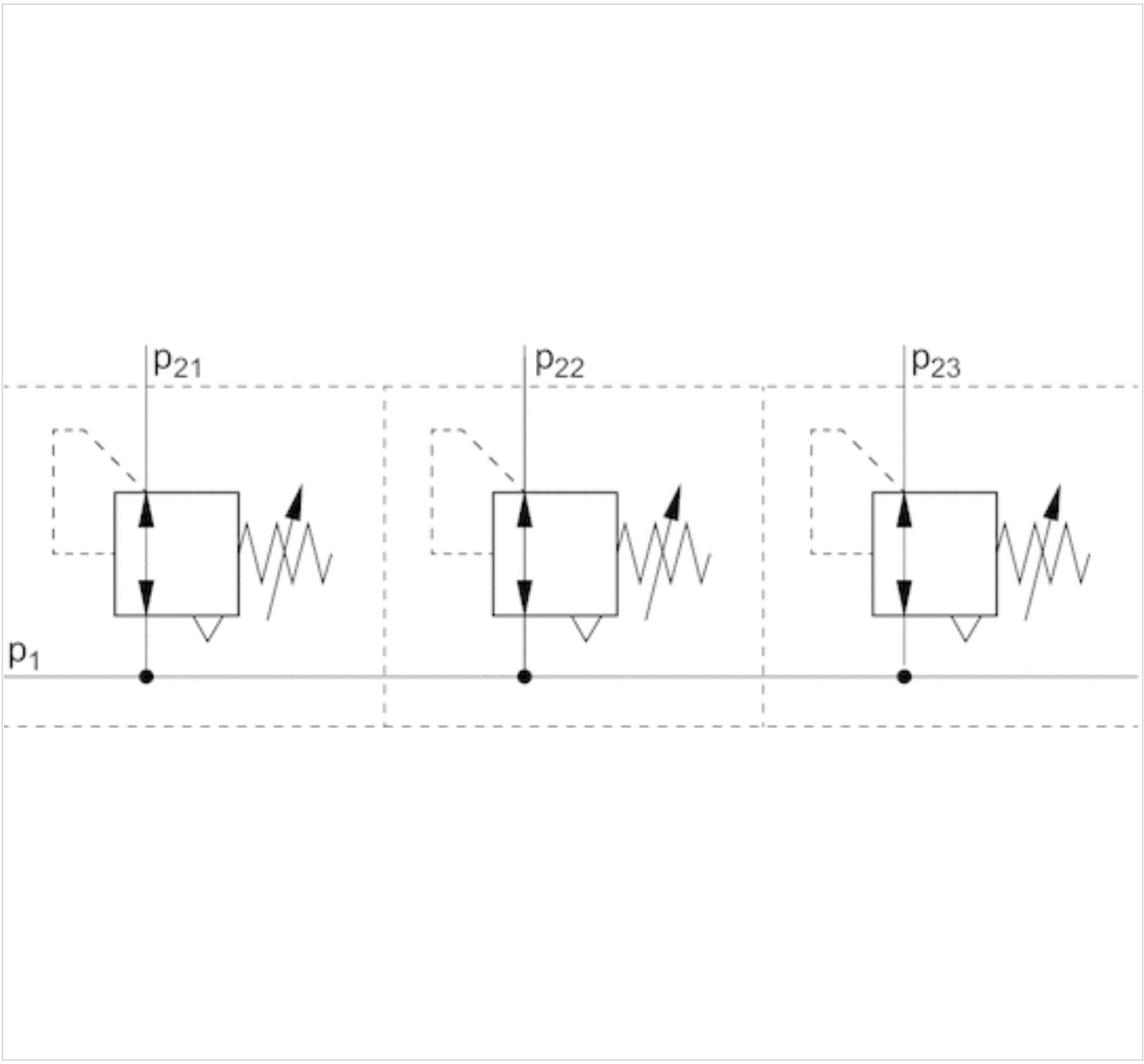
A6 = output
1) pressure gauge connection
p1 = working pressure
p2 = secondary pressure

Dimensions in mm

A1	A2	A4	A6	B	B1	C	D	E	G	H	I	J	L	N	N1	O	T2	T4	T6	V	W	X
G 1/2	G 1/2	G 1/4	G 1/2	69.6	1.8	97	35.5	132.5	M50x1,5	54	5.5	69	46	3	5.5	27	13	7	6	18	67	2

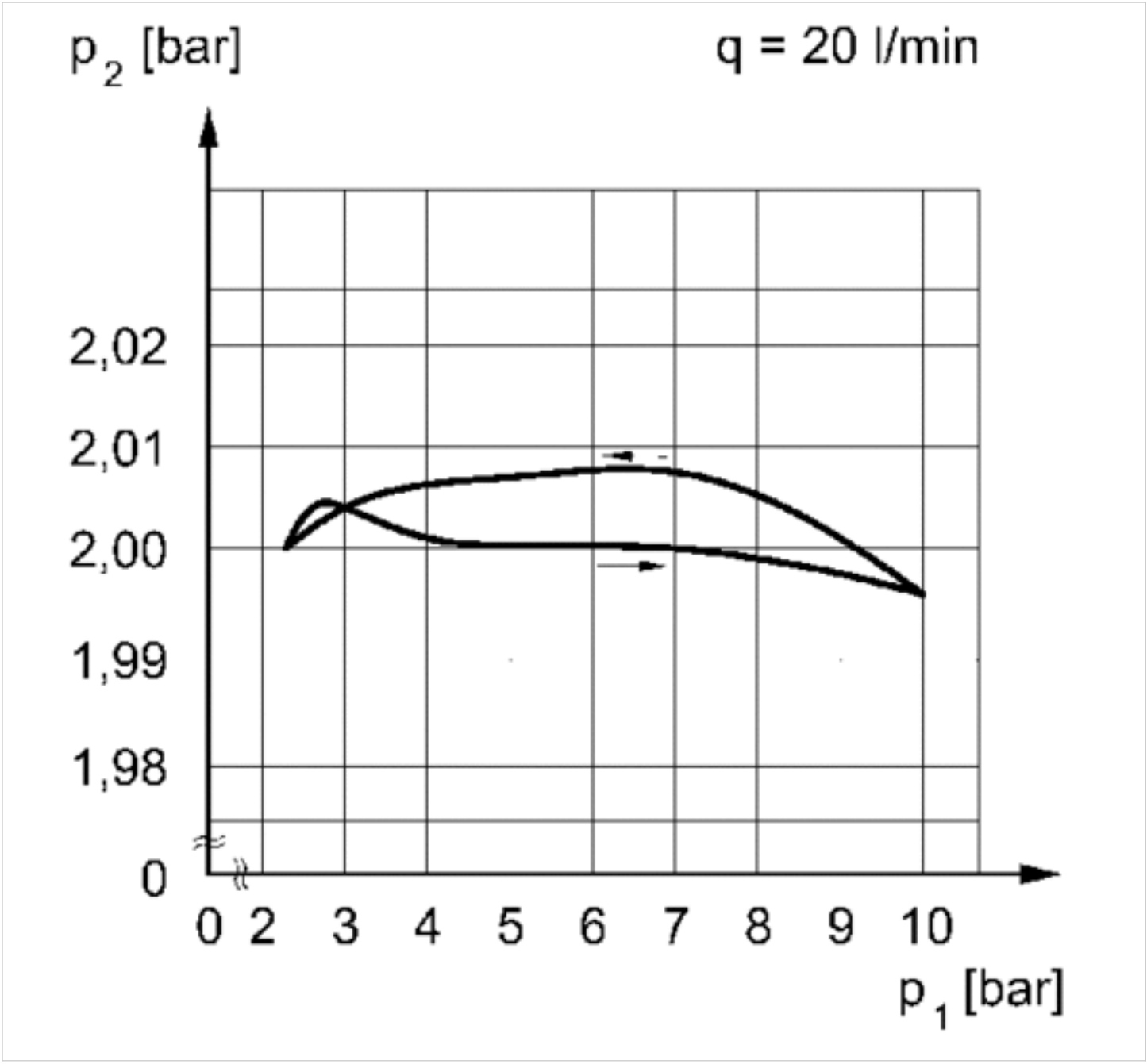
Diagrams

Application example



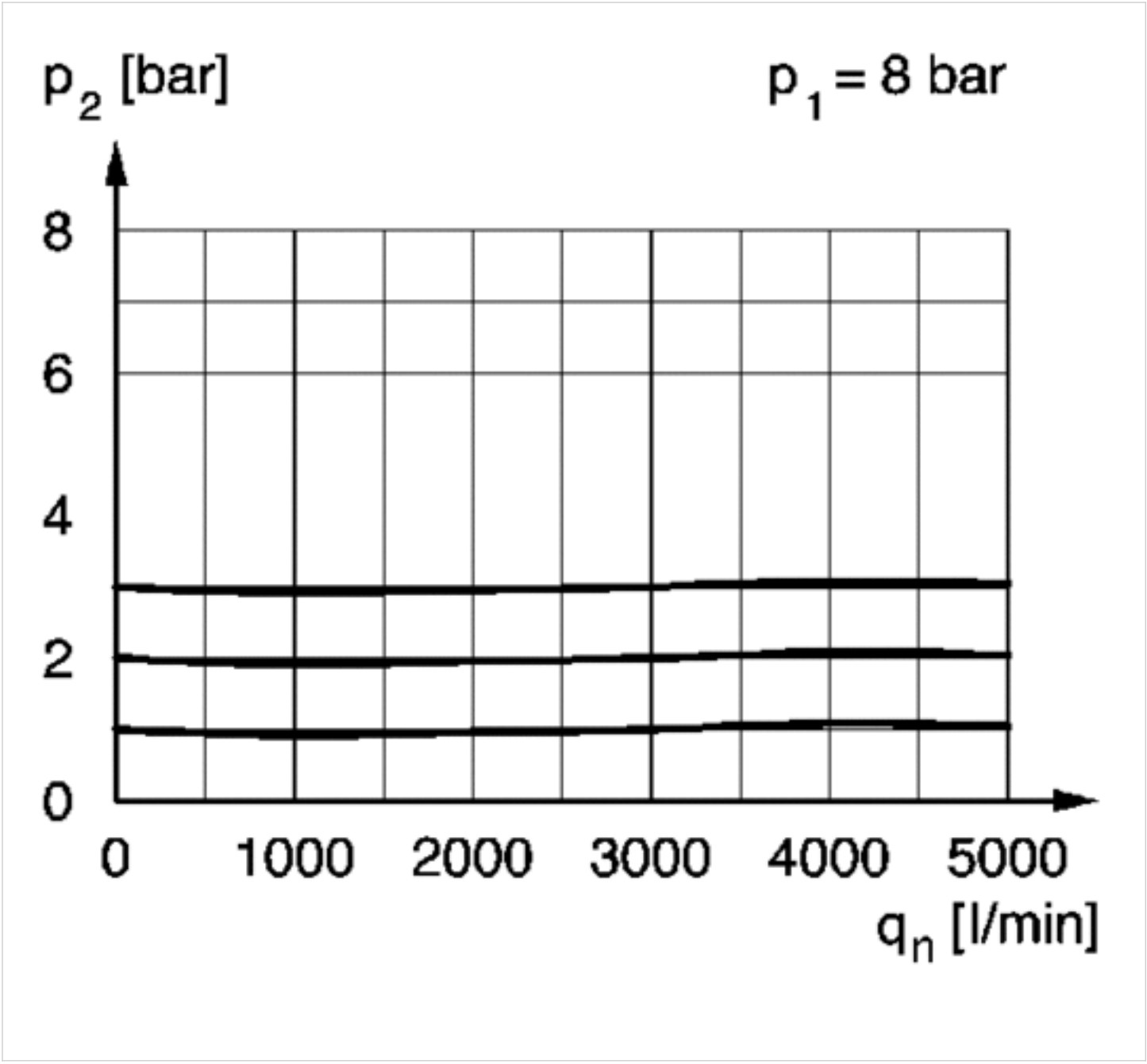
p1 = working pressure

Pressure characteristics curve



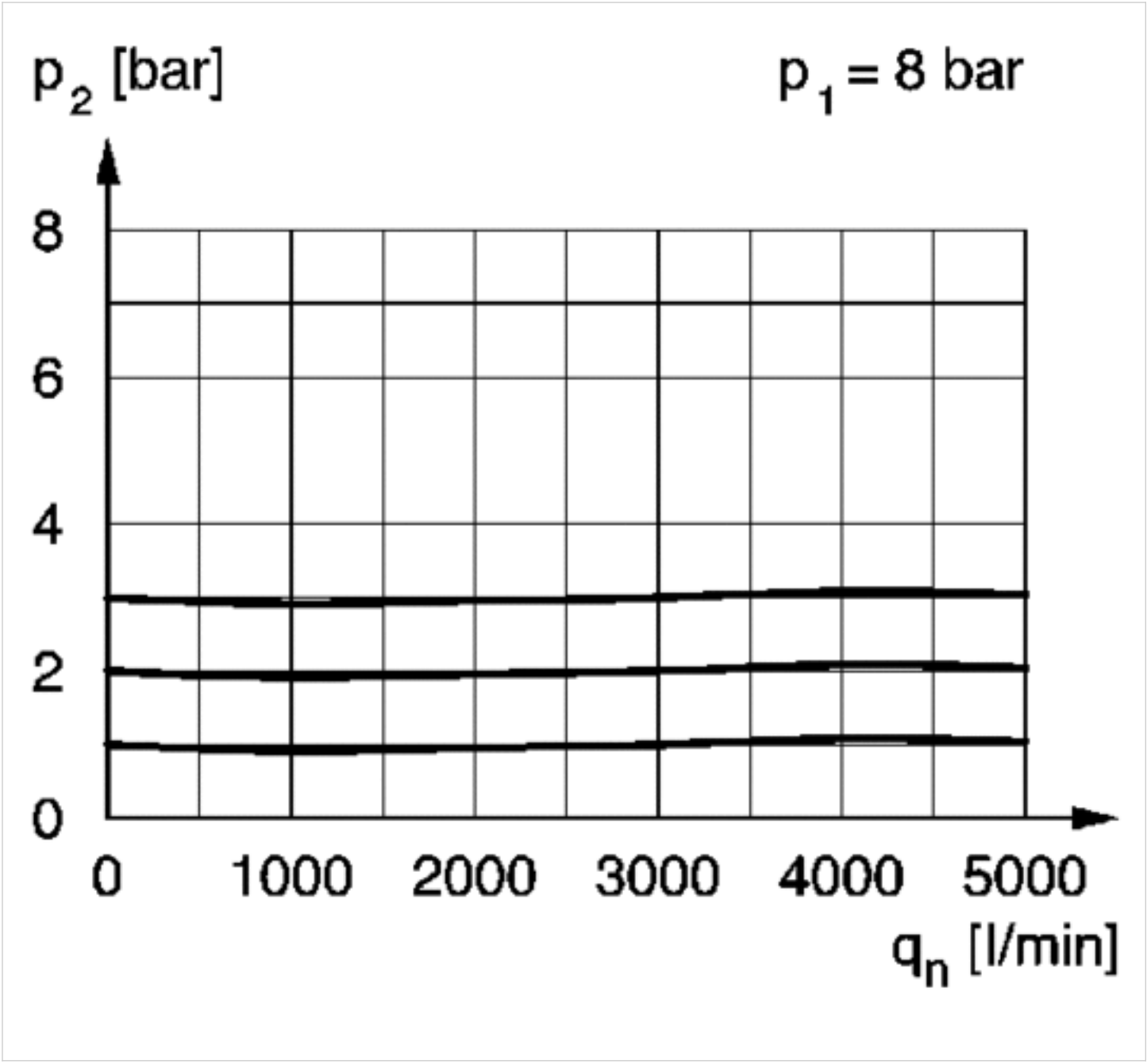
p1 = working pressure
p2 = secondary pressure
q = flow rate

Flow rate characteristic



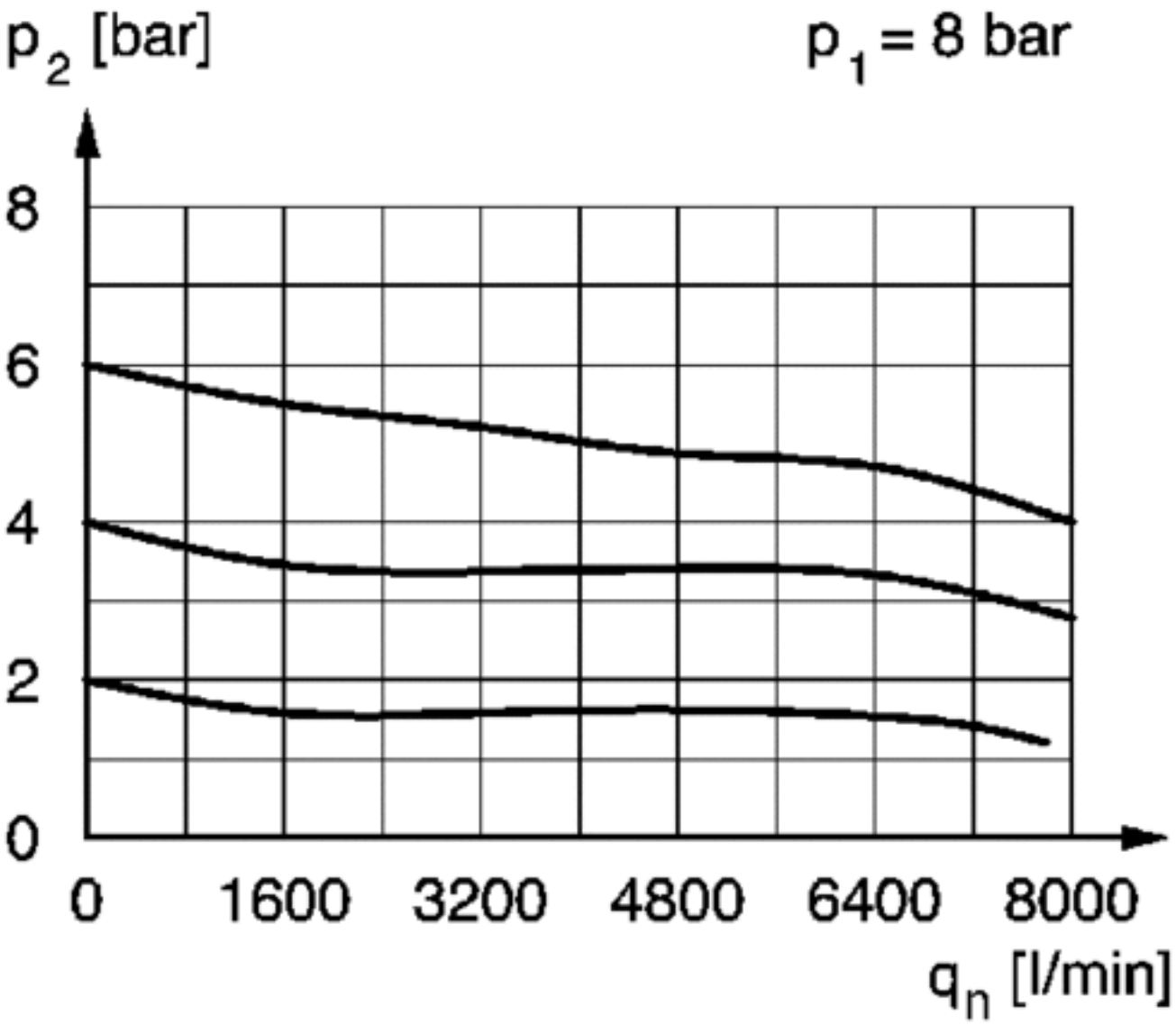
p2 = 0,1 - 3 bar
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic



p2 = 0,2 - 6 bar
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Flow rate characteristic



p2 = 0,5 - 10 bar
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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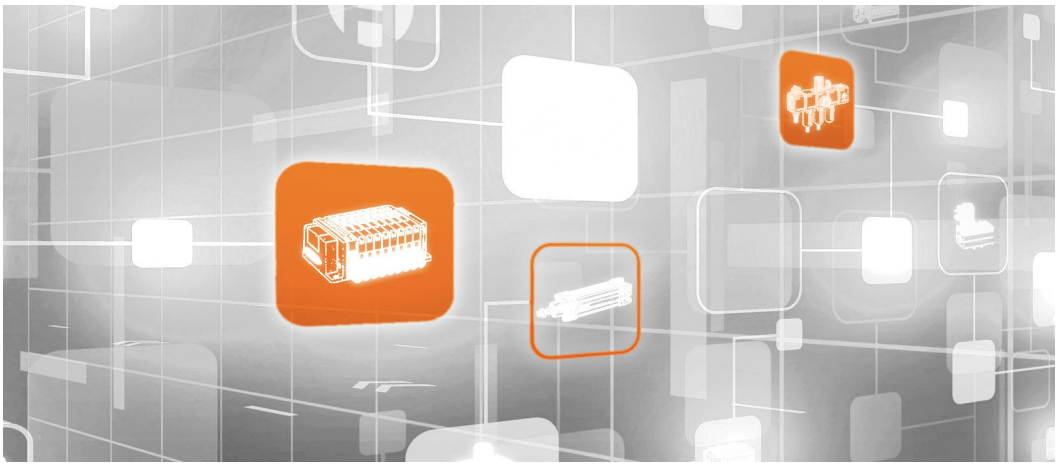

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