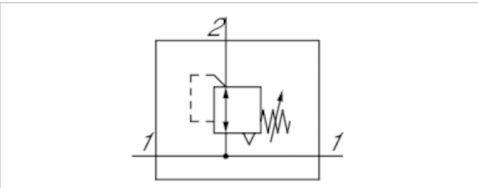


Precision pressure regulator, Series NL2-RGP-...-DS

- G 1/4
- Qn = 1500 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	0,325 kg

Technical data

Part No.	Port	Flow	Adjustment range min./max.	Max. pressure gauge Ø in blocked state
		Qn		
0821302527	G 1/4	1500 l/min	0,1 ... 3 bar	50 mm
0821302528	G 1/4	1500 l/min	0,2 ... 6 bar	50 mm
0821302529	G 1/4	1500 l/min	0,5 ... 10 bar	50 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

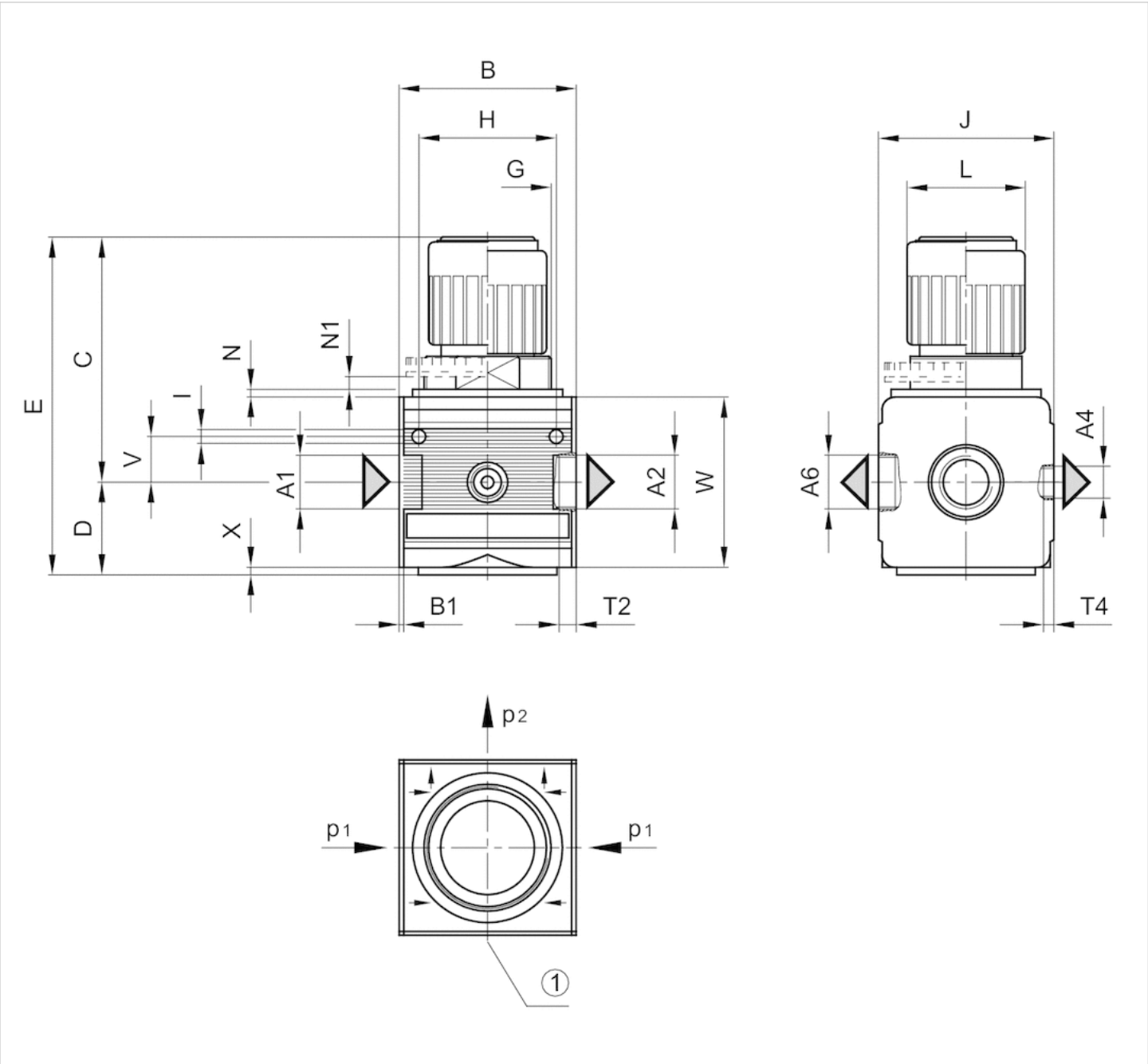
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 Suitable for use in Ex zones 1, 2, 21, 22.
 Recommended pre-filtering 5 µm

Technical information

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

Dimensions

Dimensions



A1 = input
 A2 = output
 A6 = output

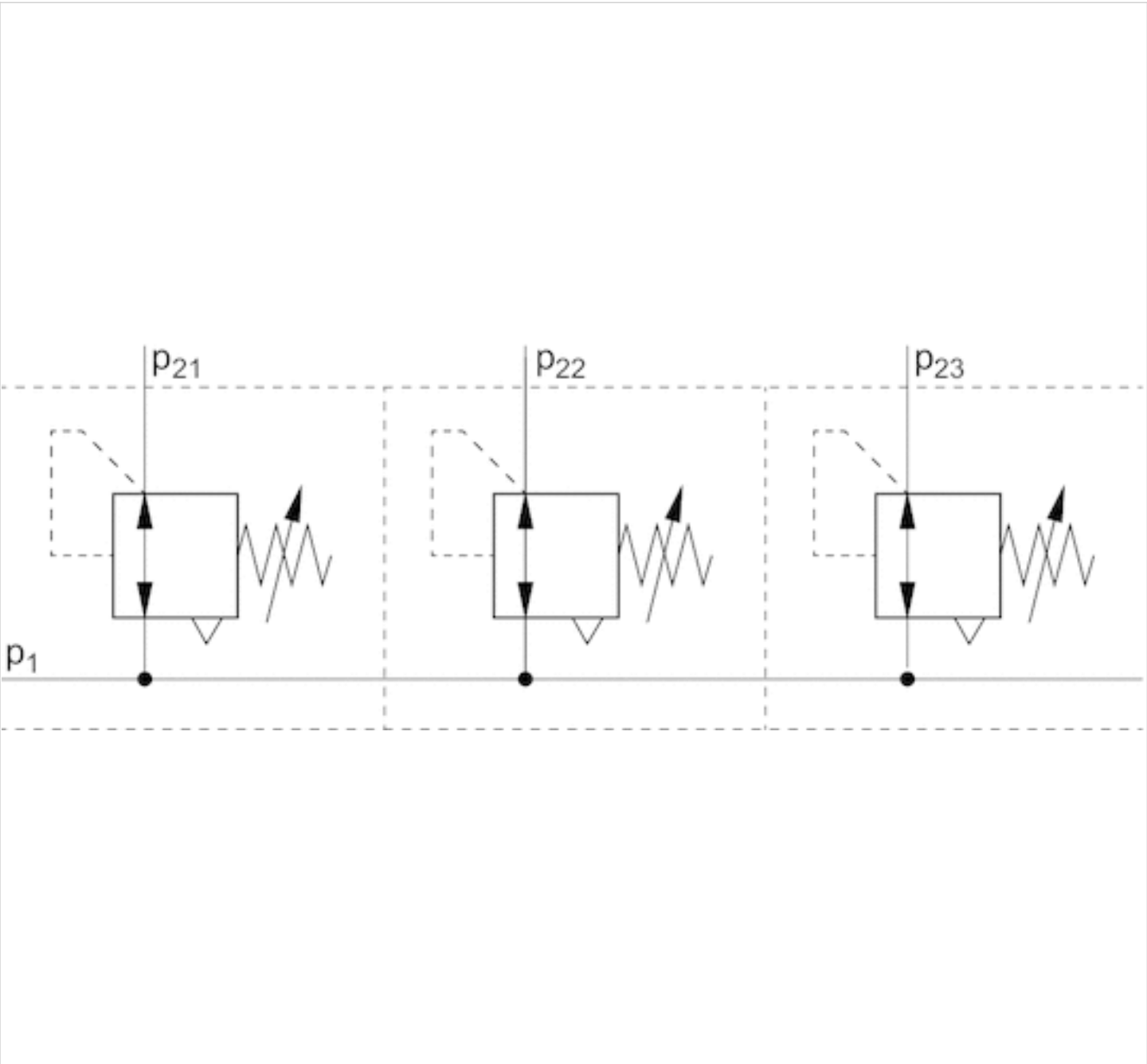
1) pressure gauge connection
 p1 = working pressure
 p2 = secondary pressure

Dimensions in mm

A1	A2	A4	A6	B	B1	C	D	E	G	H	I	J	L	N	N1	T2	T4	V	W	X
G 1/4	G 1/4	G 1/4	G 1/4	48	1.5	67.5	27	94.5	M30x1,5	36	4.4	47	28	3	3.5	9.5	7	12.3	52	1

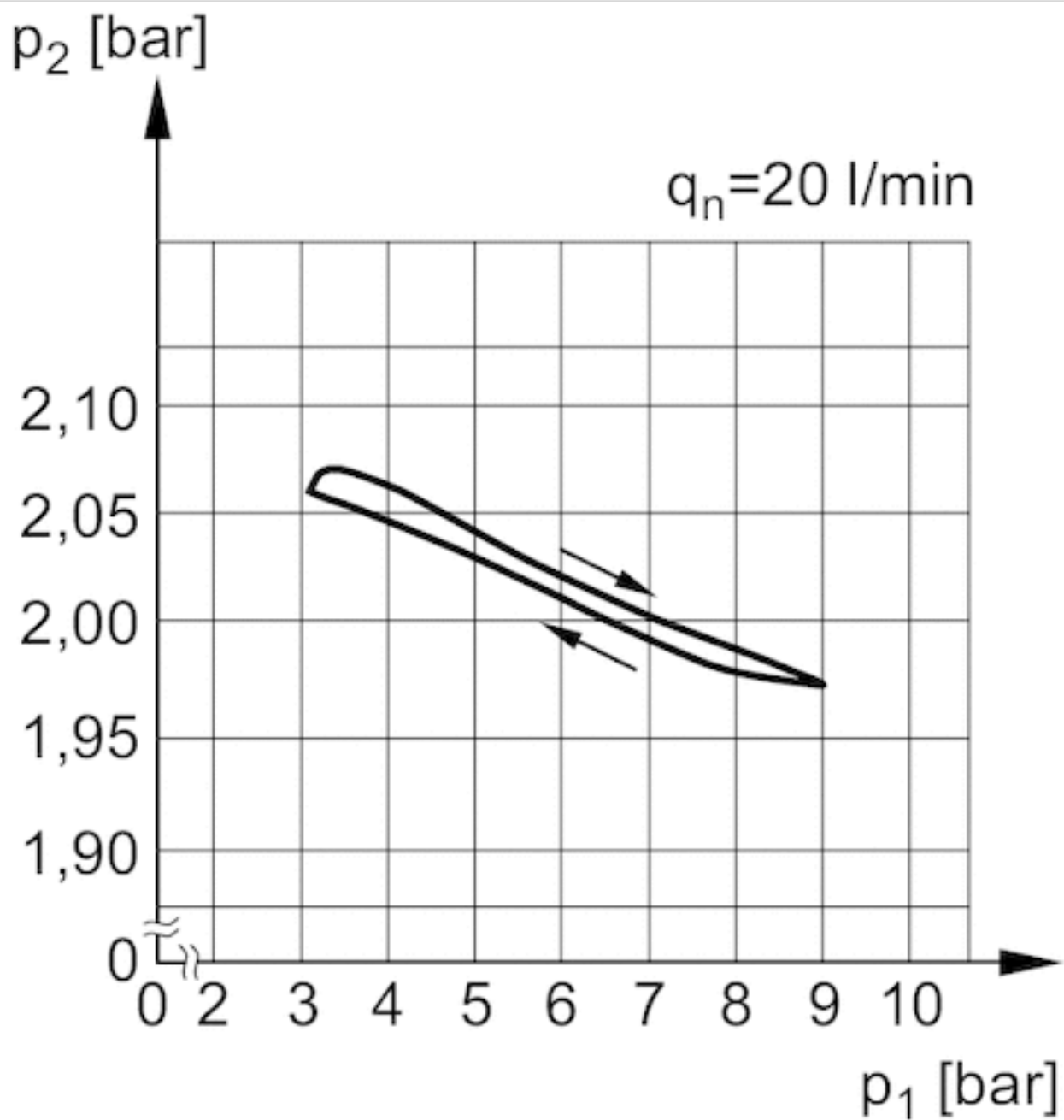
Diagrams

Application example



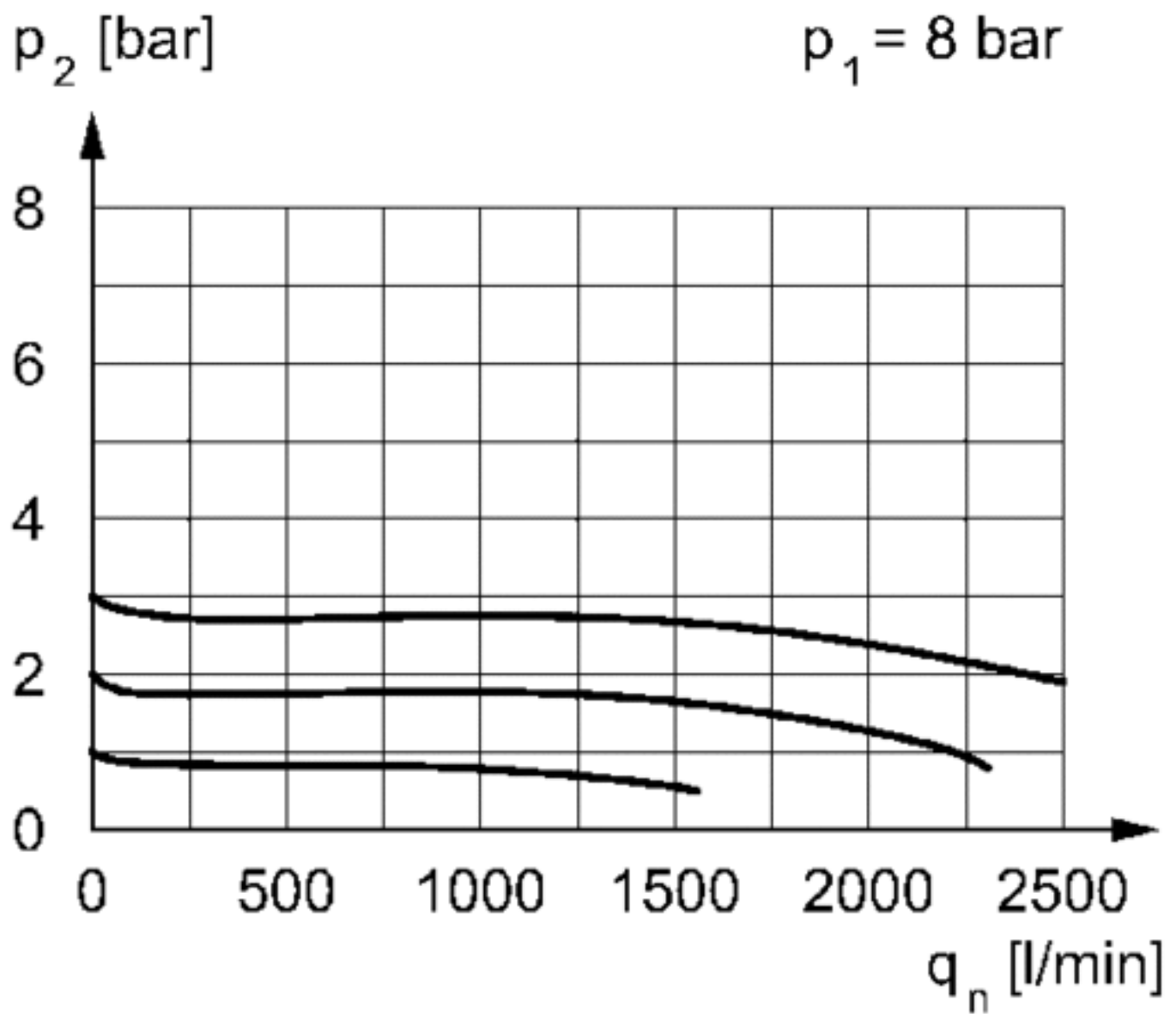
p1 = working pressure

Pressure characteristics curve



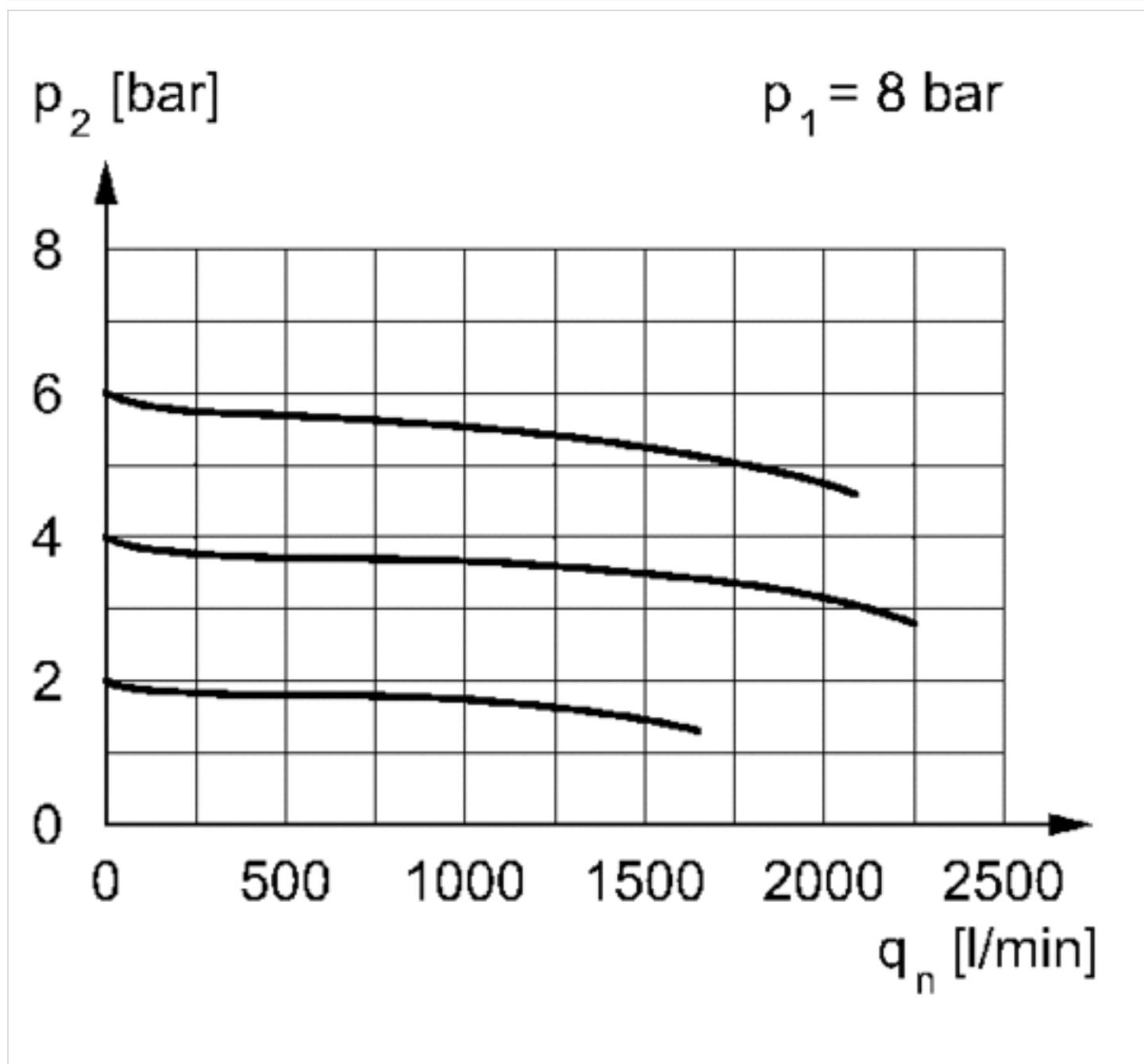
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic



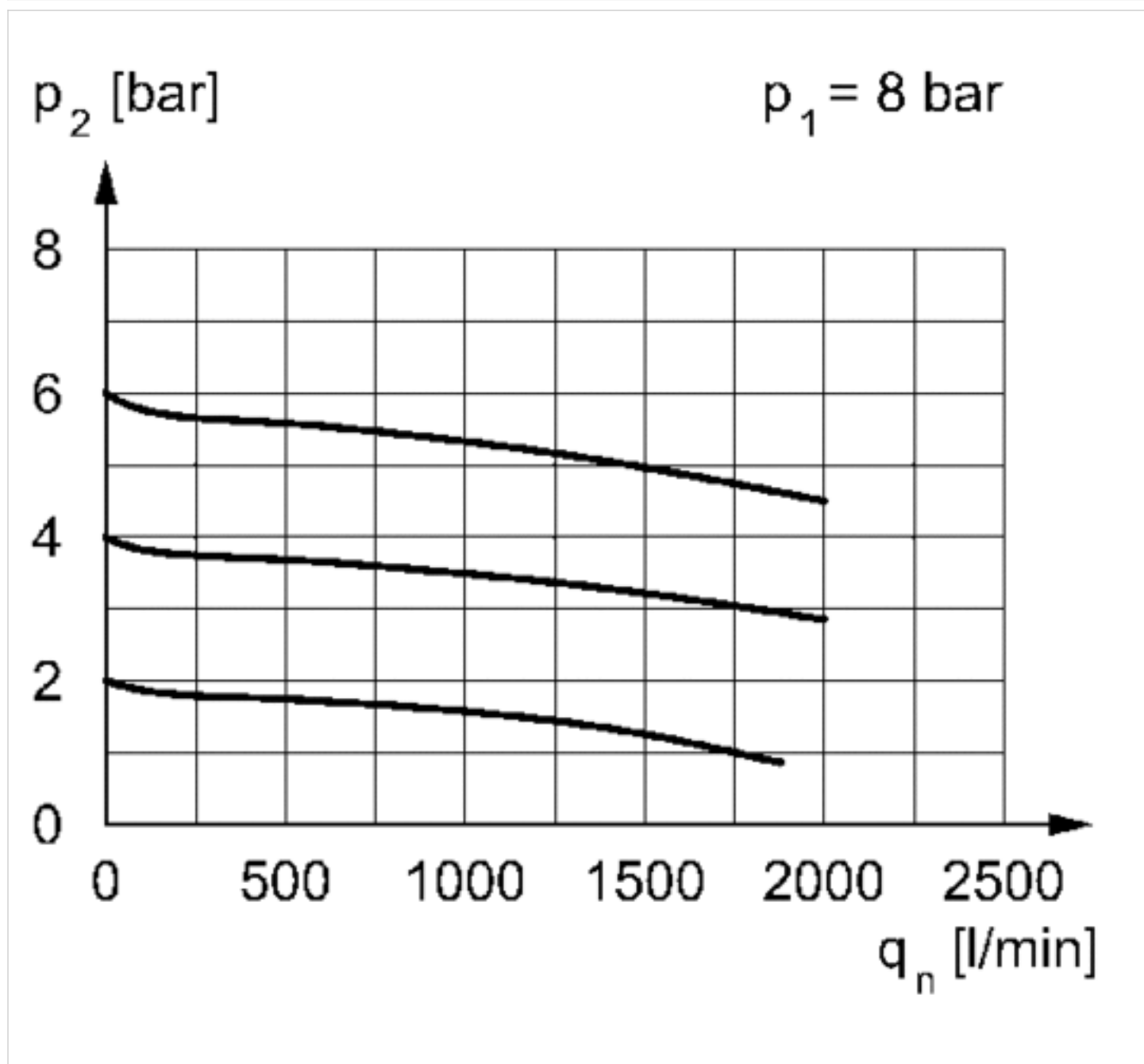
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 $p_2 = 0,1 - 3 \text{ bar}$

Flow rate characteristic



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 $p_2 = 0,2 - 6$ bar

Flow rate characteristic



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 p_2 = 0,5 - 10 bar

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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