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Pressure regulator, Series NL4-RGS-...-DS

- G 1/2
- Qn = 9500 l/min
- Standard pressure regulator
- Activation Mechanical
- with continuous pressure supply
- suitable for ATEX

Parts	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
Pressure supply	double
Activation	Mechanical
Weight	0,867 kg

Technical data

Part No.	Port	Flow Qn	Adjustment range min./max.	Max. pressure gauge Ø in blocked state
0821302509	G 1/2	9500 l/min	0,1 ... 3 bar	63 mm
0821302508	G 1/2	9500 l/min	0,2 ... 6 bar	63 mm
0821302507	G 1/2	9500 l/min	0,5 ... 10 bar	63 mm

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
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).
Suitable for use in Ex zones 1, 2, 21, 22
Relieving exhaust (≤ 0.3 bar over set pressure)
With rear exhaust (> 3 bar)

Recommended pre-filtering 5 µm

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene

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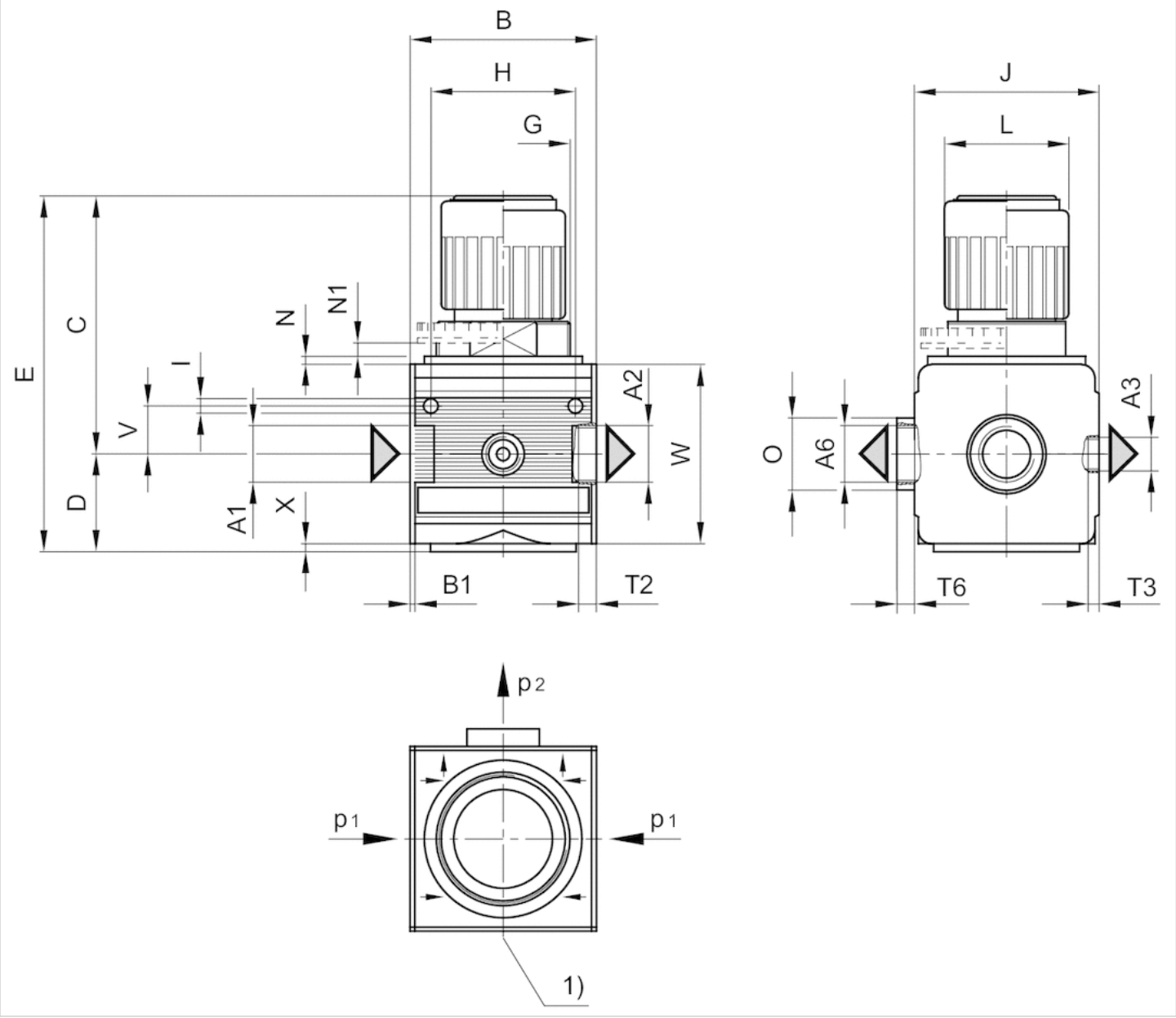
Material	
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



A1 = inputA2 = output
A3 = outputA6 = output
1) pressure gauge connectionp1 = working pressurep2 = secondary pressure

Dimensions in mm

A1	A2	A3	A6	B	B1	C	D	E	G	H	I	J	L	N	N1	O	T2	T3	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
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

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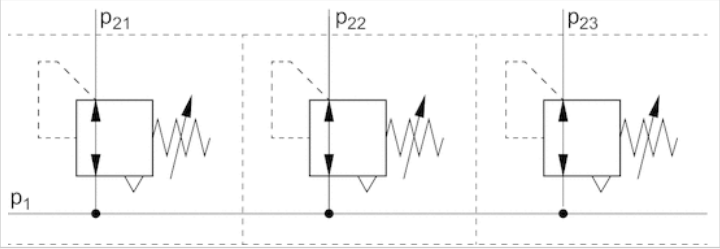
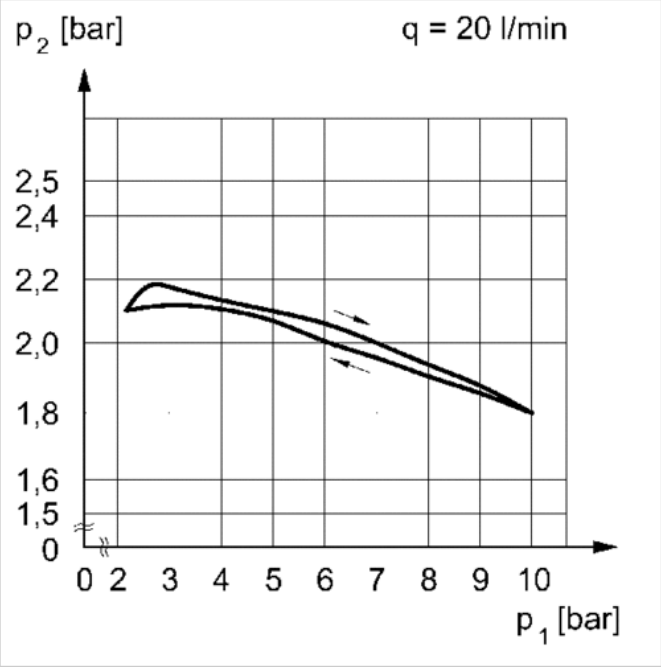
Diagrams

Application example



p1 = working pressure
p21; p22; p23 = secondary pressure

Pressure characteristics curve



p1 = working pressurep2 = secondary pressureq = flow rate

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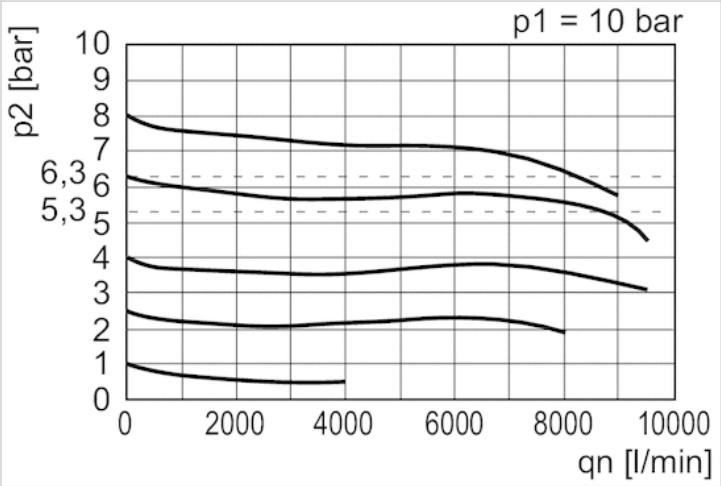
Flow rate characteristic (setting range p2: 0.5 - 10 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow