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Pressure regulator, Series NL1-RGS-...-DS

- G 1/4
- Qn = 1350 l/min
- Pressure regulator, high flow rate
- Activation Mechanical
- with continuous pressure supply
- with pressure gauge in hand wheel
- 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 ... 50 °C
Medium temperature min./max.	-10 ... 50 °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.	0,2 ... 6 bar
Pressure supply	single
Activation	Mechanical
Weight	0,35 kg

Technical data

Part No.	Port	Flow	Pressure gauge
		Qn	
0821302743	G 1/4	1350 l/min	with pressure gauge in hand wheel

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
Seals	Nitrile rubber

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Dimensions

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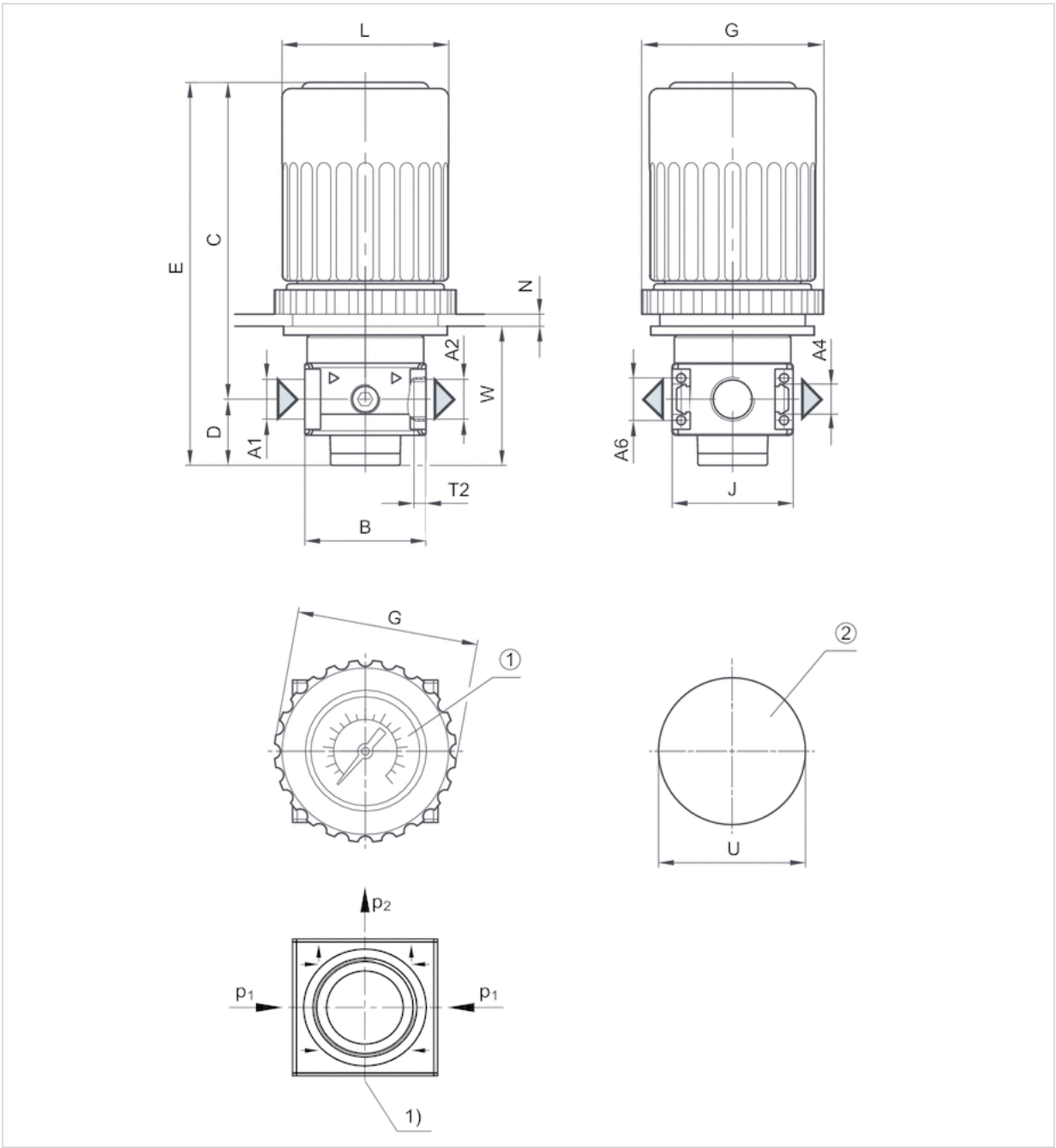

A1 = inputA2 = output
A4 = outputA6 = output
1) pressure gauge Ø 402) opening for control panel assembly

Dimensions

A1	A2	A4	A6	B	C	D	E	G	J	L	N	T2	U	W
G 1/4	G 1/4	G 1/8	G 1/4	40	90	22	112	40	40	33.6	4	8	31.5	43

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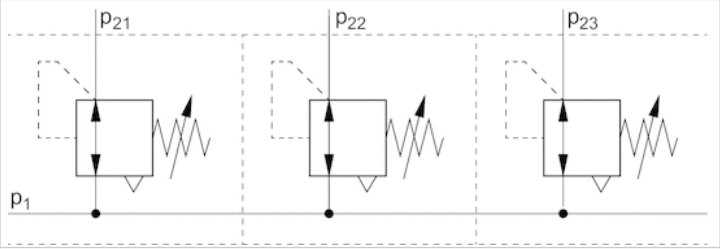
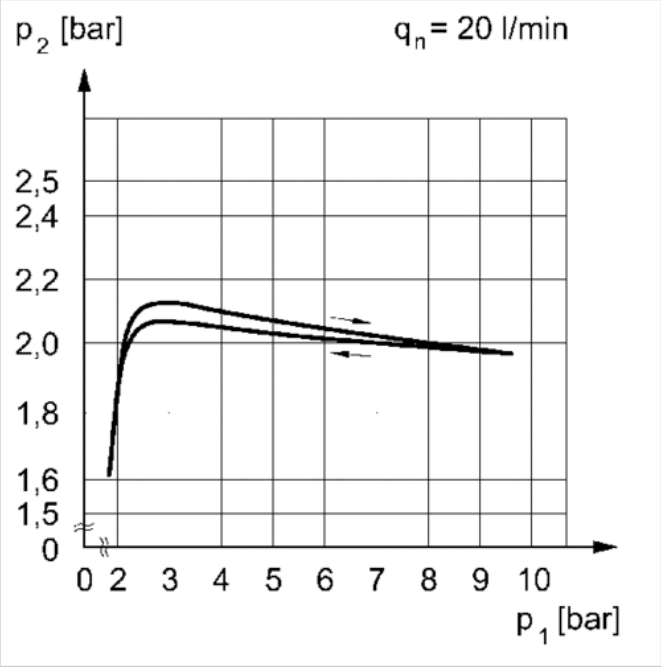
Diagrams

Application example



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

Pressure characteristics curve



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

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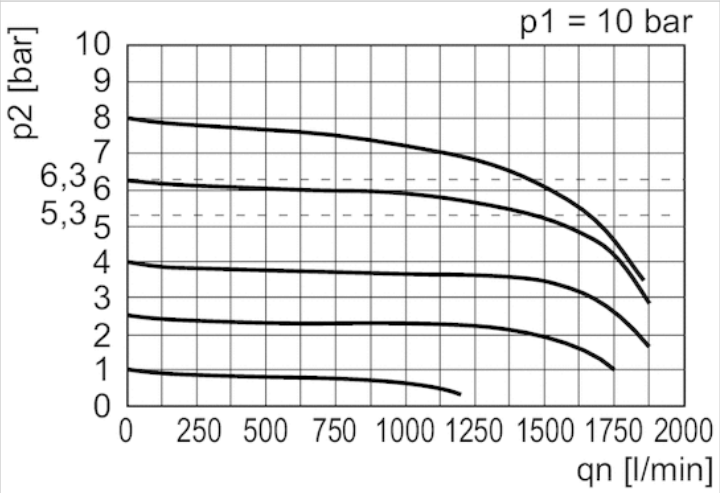
Flow rate characteristic (setting range p2: 0.5 - 10 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow