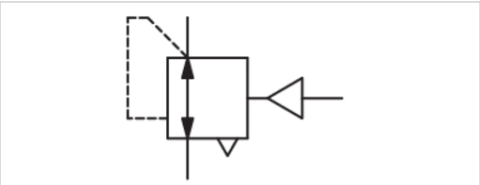
UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

Pressure regulator, Series NL6-RGS

- G 3/4 G 1
- Qn = 15000 l/min
- Standard pressure regulator
- Activation Pneumatically
- suitable for ATEX



Parts	Pressure regulator
Mounting orientation	Any
Certificates	suitable for ATEX
Working pressure min./max.	0,5 ... 20 bar
Control pressure max.	10 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.	0,5 ... 10 bar
Pressure supply	single
Activation	Pneumatically
Weight	1,35 kg

Technical data

Part No.	Port	Flow
		Qn
0821302809	G 3/4	15000 l/min
0821302810	G 1	15000 l/min

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
Mounting: mounting bracket 1821336017 / block assembly kit 1827009593
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).
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.
Relieving exhaust (≤ 0.3 bar over set pressure)
With rear exhaust (> 3 bar)

Recommended pre-filtering 5 µm

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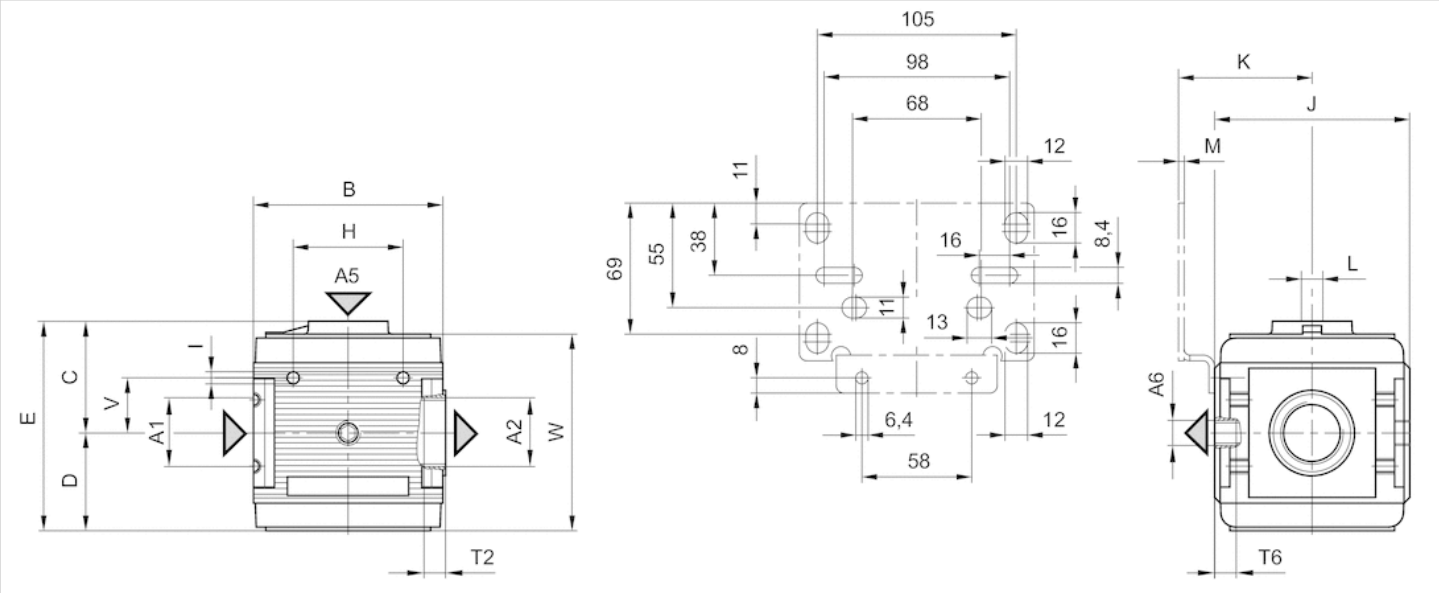
Technical information

Material	
Housing	Die-cast aluminum
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



A1 = inputA2 = output
A5 = control pressure connection
A6 = ventilation port

Dimensions in mm

A1	A2	A5	A6	B	C	D	E	H	I	J	K	L	M	N	T2	T6	V	W
G 3/4	G 3/4	G 1/8	G 1/4	100	61	51.5	112.5	58	M6	103	70.5	G 1/4	3	7	9.5	7	29	103.5
G 1	G 1	G 1/8	G 1/4	100	61	51.5	112.5	58	M6	103	70.5	G 1/4	3	7	18	7	29	103.5

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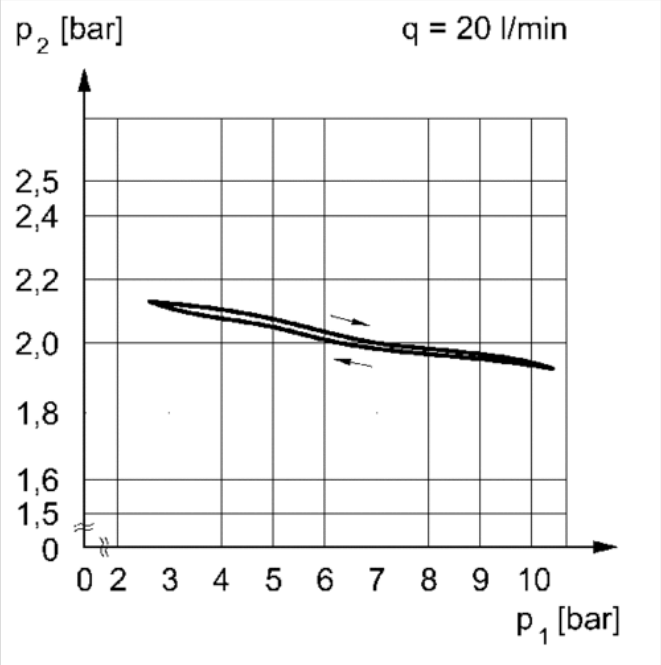
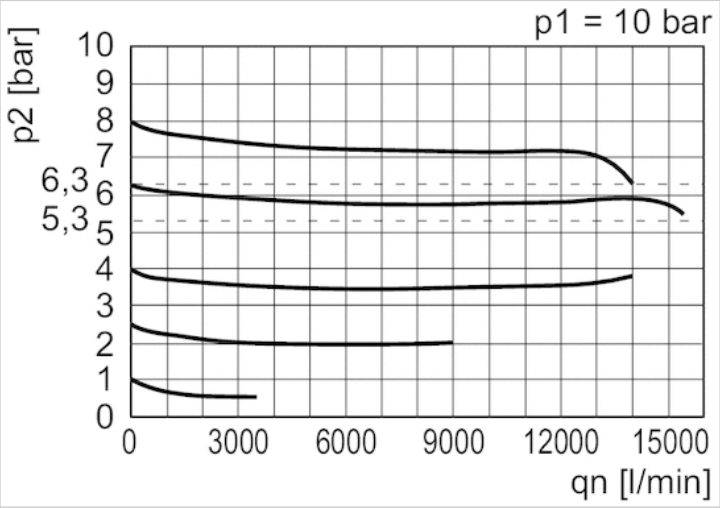
Diagrams

Pressure characteristics curve



p1 = working pressurep2 = secondary pressureq = flow rate

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



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

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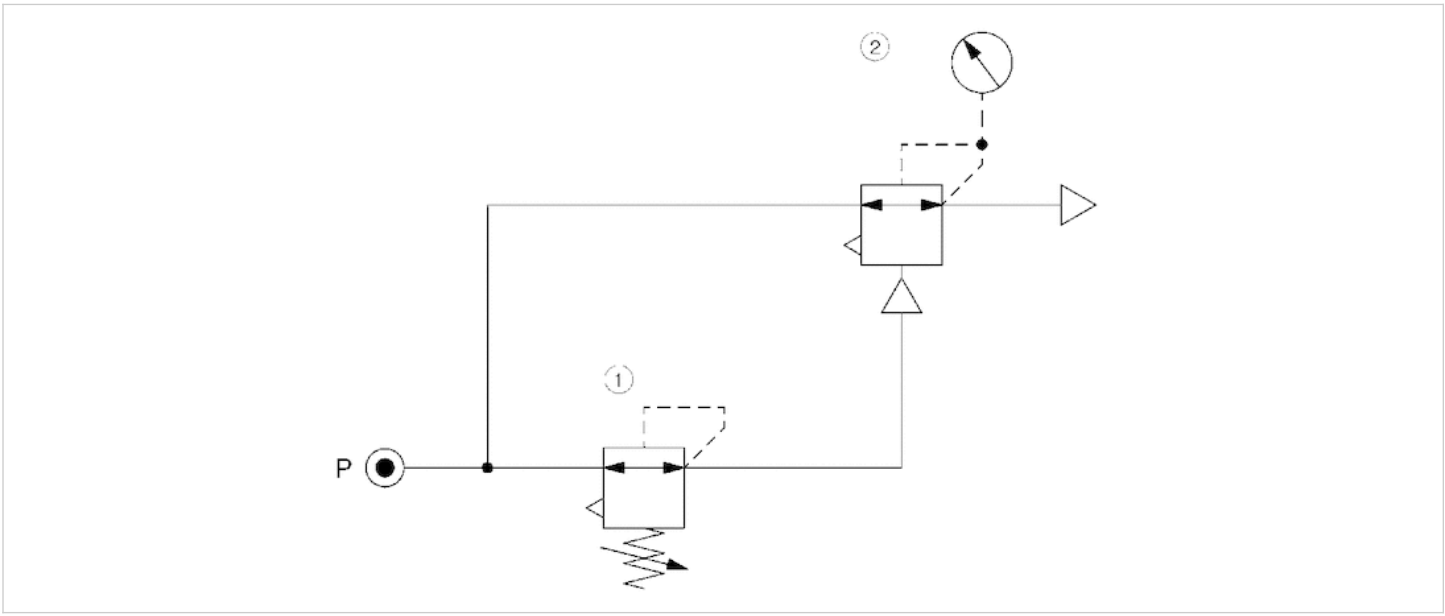
Circuit diagram

Application example



1) precision pressure regulator2) pressure regulator valve, pneumatically operated