

Pressure regulator, Series NL2-RGS

- G 1/4 G 3/8
- Qn = 2000 l/min
- Standard pressure regulator
- Activation Mechanical
- suitable for ATEX



Parts	Pressure regulator
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	single
Activation	Mechanical
Weight	See table below

Technical data

Part No.			Port	Flow	Adjustment range min./max.	Pressure gauge
				Qn		
0821302404			G 1/4	2000 l/min	0,1 ... 3 bar	with pressure gauge
0821302560			G 1/4	2000 l/min	0,2 ... 6 bar	with pressure gauge
0821302400			G 1/4	2000 l/min	0,5 ... 10 bar	with pressure gauge
0821302405		—	G 1/4	2000 l/min	0,1 ... 3 bar	-
0821302406		—	G 1/4	2000 l/min	0,2 ... 6 bar	-
0821302401		—	G 1/4	2000 l/min	0,5 ... 10 bar	-
0821302451			G 3/8	2000 l/min	0,1 ... 3 bar	with pressure gauge
0821302452			G 3/8	2000 l/min	0,2 ... 6 bar	with pressure gauge
0821302440			G 3/8	2000 l/min	0,5 ... 10 bar	with pressure gauge
0821302444		—	G 3/8	2000 l/min	0,1 ... 3 bar	-
0821302453		—	G 3/8	2000 l/min	0,2 ... 6 bar	-
0821302441		—	G 3/8	2000 l/min	0,5 ... 10 bar	-

Part No.	Weight
0821302404	0,41 kg
0821302560	0,41 kg
0821302400	0,41 kg
0821302405	0,325 kg
0821302406	0,325 kg
0821302401	0,325 kg
0821302451	0,41 kg
0821302452	0,41 kg
0821302440	0,41 kg

Part No.	Weight
0821302444	0,325 kg
0821302453	0,325 kg
0821302441	0,325 kg

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

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.

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.

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).

Relieving exhaust (≤ 0.3 bar over set pressure).

With rear exhaust (> 3 bar).

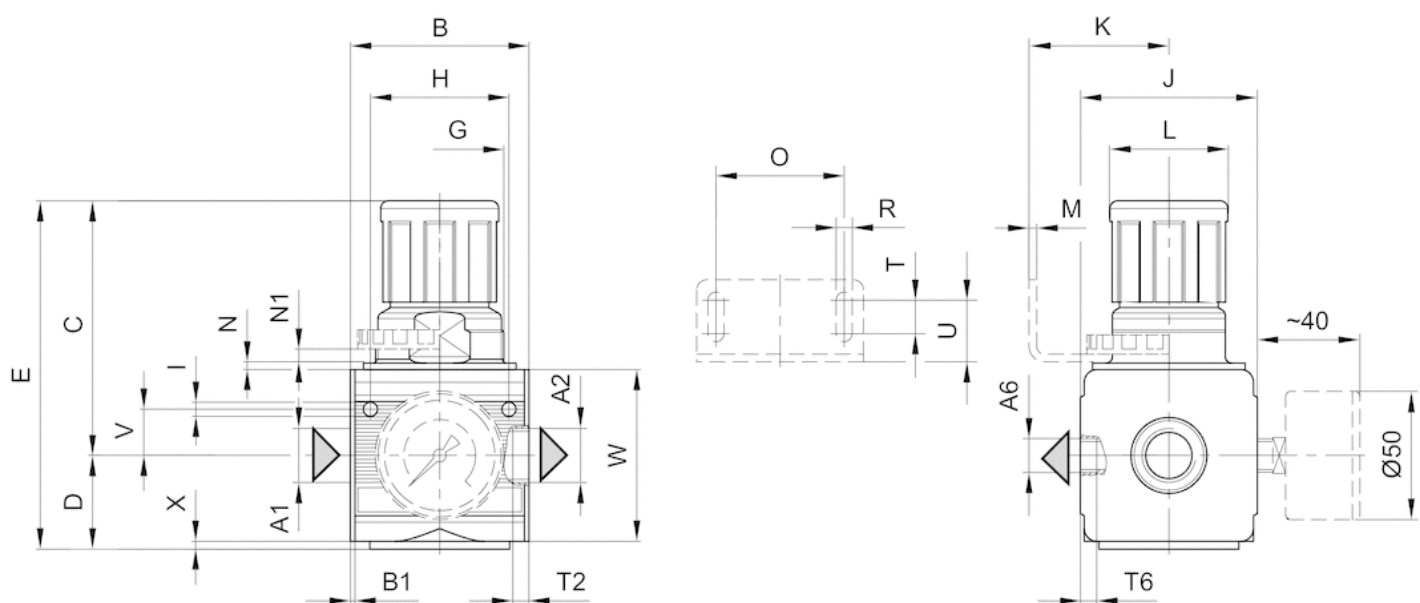
Recommended pre-filtering 5 μm

Technical information

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

Dimensions

Dimensions



A1 = input

A2 = output

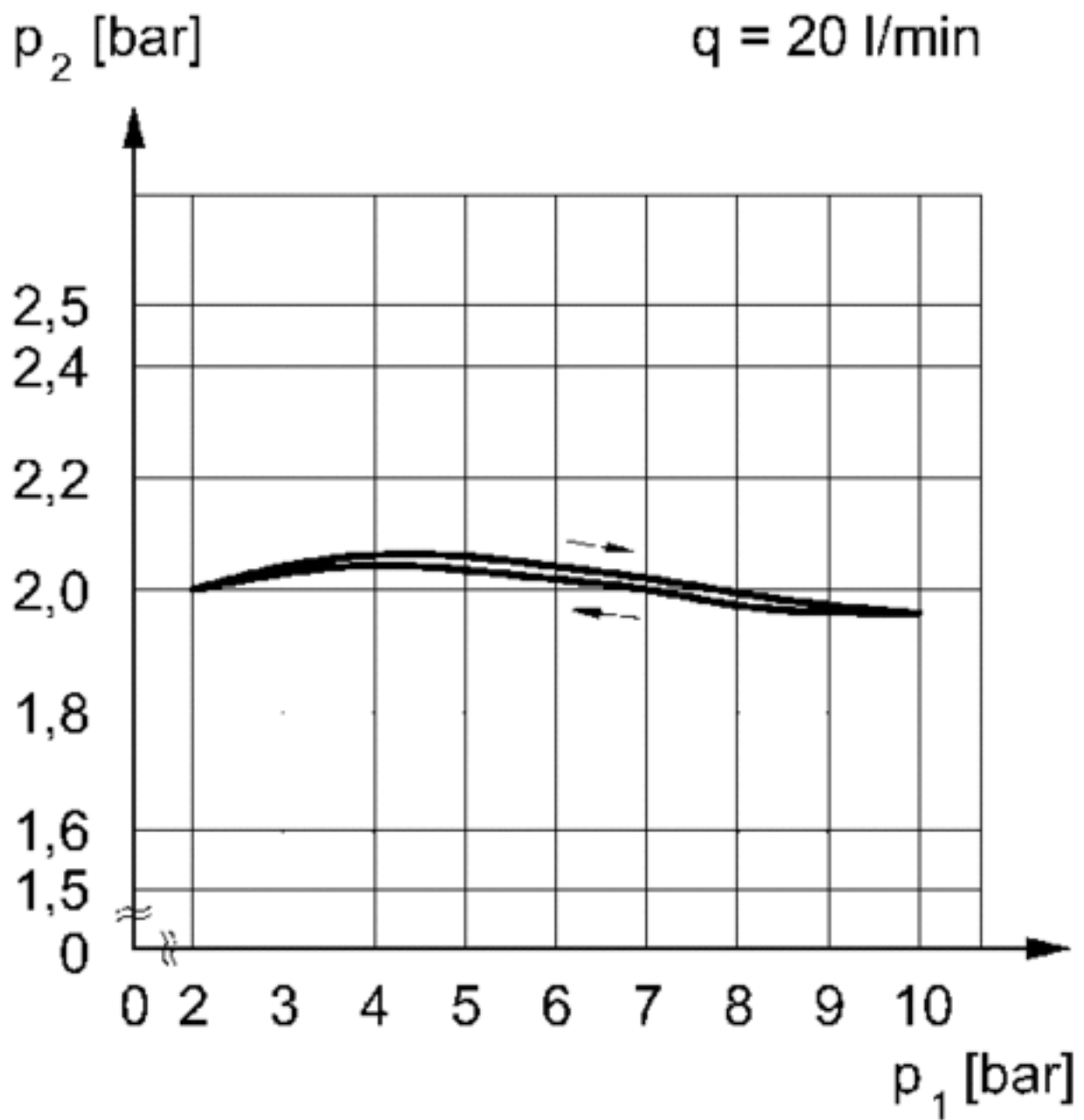
A6 = output

Dimensions in mm

A2	A6	B	B1	C	D	E	G	H	I	J	K	L	M	N	N1	O	R	T	T2	T6	U	V	W	X
G 1/4	G 1/4	48	1.5	67.5	27	94.5	M30x1,5	36	4.4	47	43.5	28	3	3	3.5	38	5.4	8	9.5	7	18.5	12.3	52	1
G 3/8	G 1/4	48	1.5	67.5	27	94.5	M30x1,5	36	4.4	47	43.5	28	3	3	3.5	38	5.4	8	9.5	7	18.5	12.3	52	1

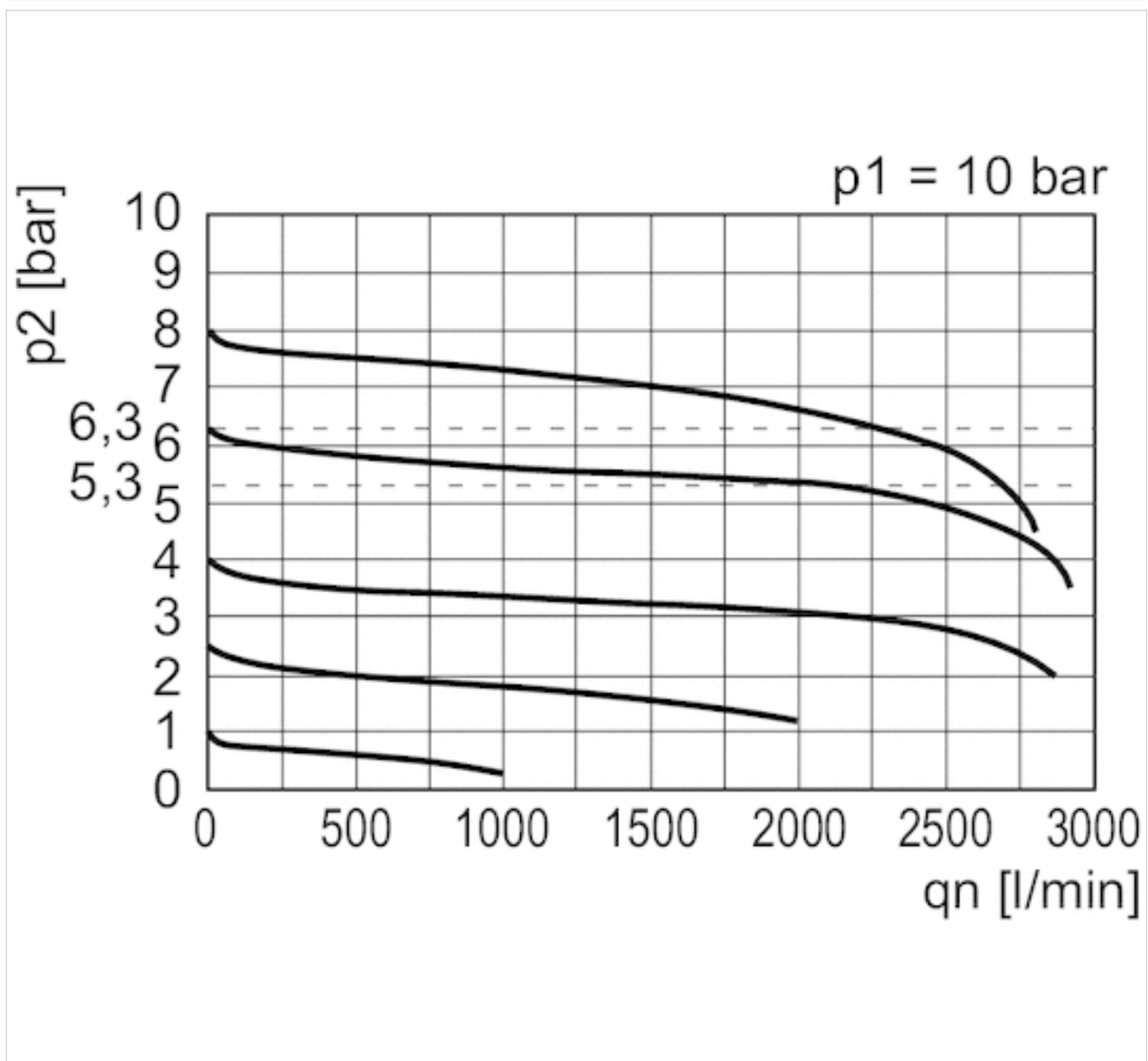
Diagrams

Pressure characteristics curve



p_1 = working pressure
 p_2 = secondary pressure
 q = flow rate

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



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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