






Pressure regulator, Series NL6-RGS

- G 3/4 G 1
- Qn = 15000 l/min
- Standard pressure regulator
- Activation Mechanical
- lockable
- with key
- suitable for ATEX



Parts	Pressure regulator
Mounting orientation	Any
Certificates	suitable for ATEX
Working pressure min./max.	0,5 ... 20 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
Lock type	with key
Pressure supply	single
Activation	Mechanical
Internal air consumption qv max.	0,5 l/min
Weight	See table below

Technical data

Part No.			Port	Flow	Pressure gauge	Weight	
				Qn			
0821302807			G 3/4	15000 l/min	with pressure gauge	1,66 kg	1)
0821302806		—	G 1	15000 l/min	-	1,57 kg	2)
0821302808			G 1	15000 l/min	with pressure gauge	1,64 kg	1)

- Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar
- 1) Pressure gauge enclosed separately, Suitable for use in Ex zones 1, 2, 21, 22.
- 2) 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).

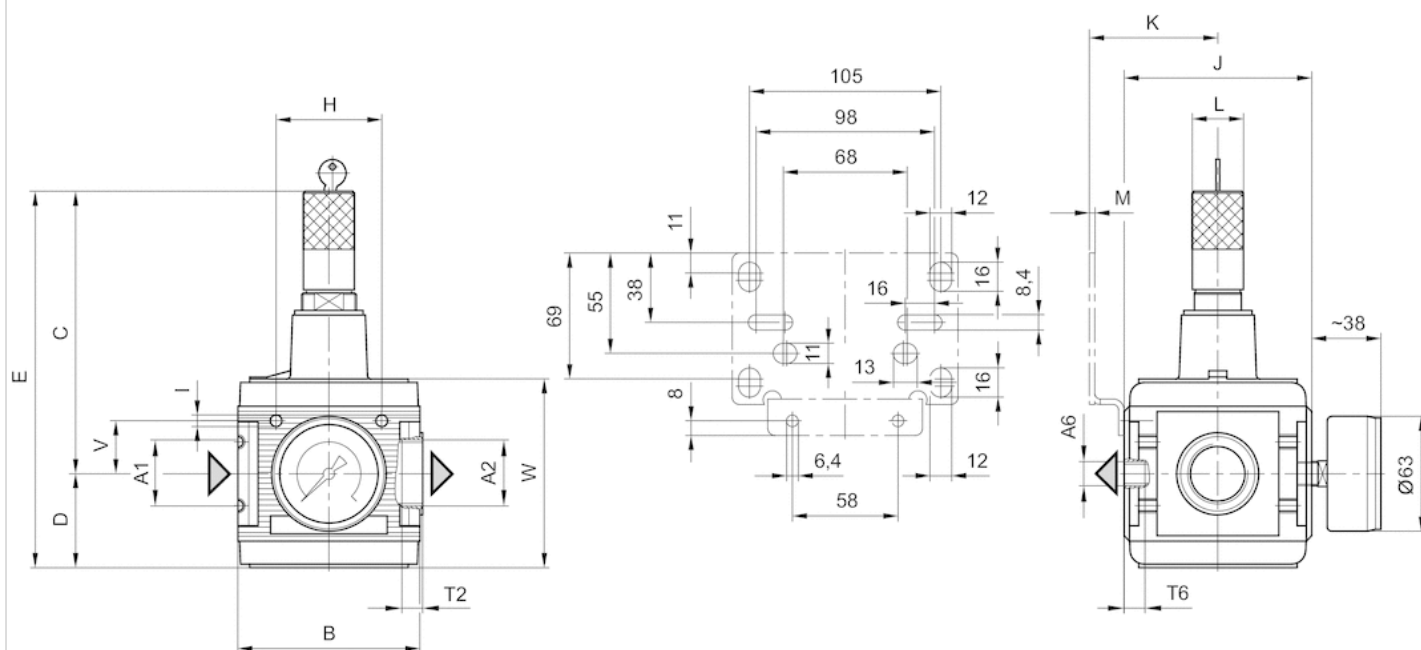
Recommended pre-filtering 5 µm

Technical information

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

Dimensions

Dimensions



A1 = input

A2 = output

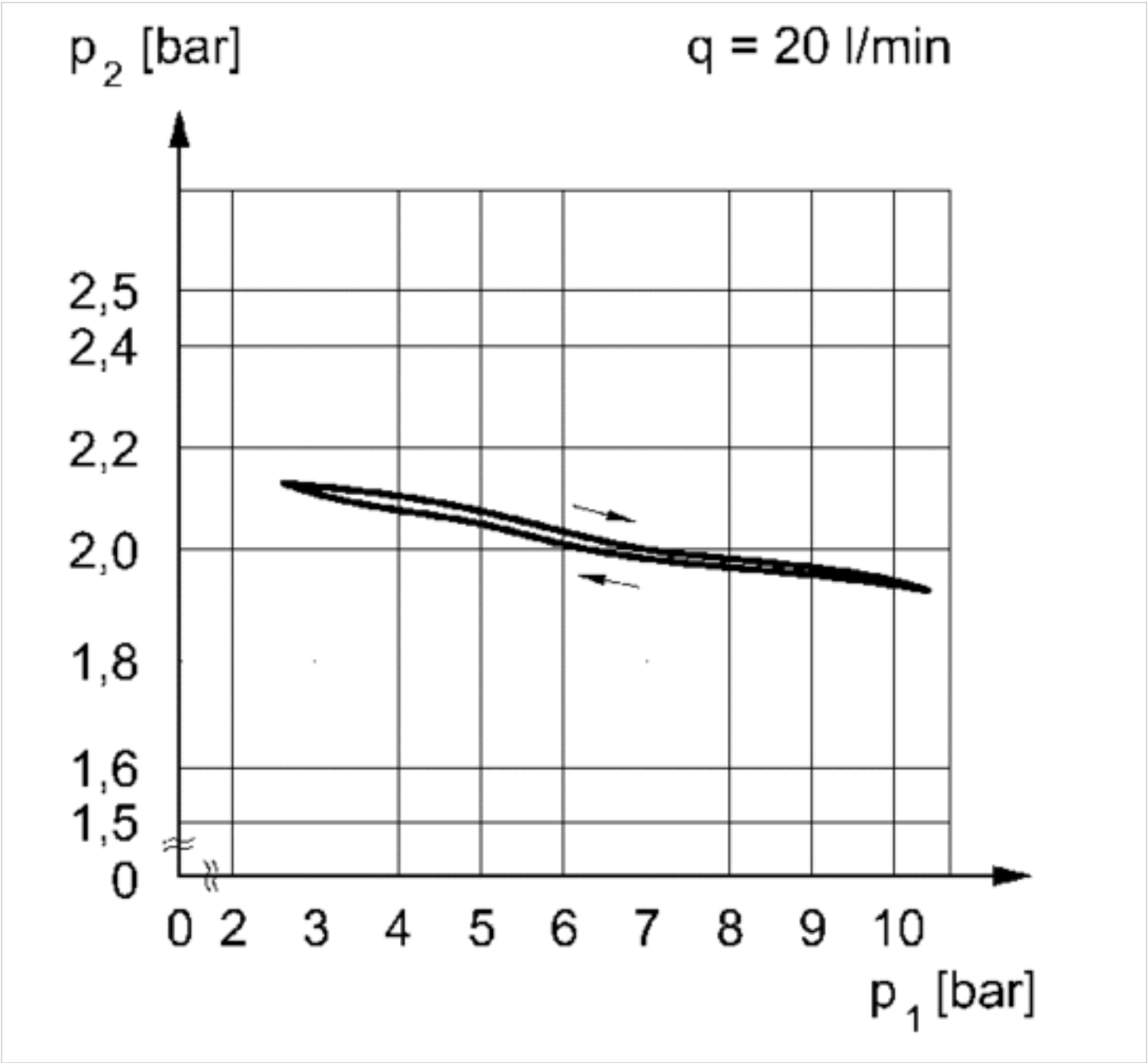
A6 = output

Dimensions in mm

A1	A2	A6	B	C	D	E	H	I	J	K	L	M	T2	T6	V	W
G 3/4	G 3/4	G 1/4	100	156.5	51.5	208	58	M6	103	70.5	28	3	18	7	29	103.5
G 1	G 1	G 1/4	100	156.5	51.5	208	58	M6	103	70.5	28	3	18	7	29	103.5

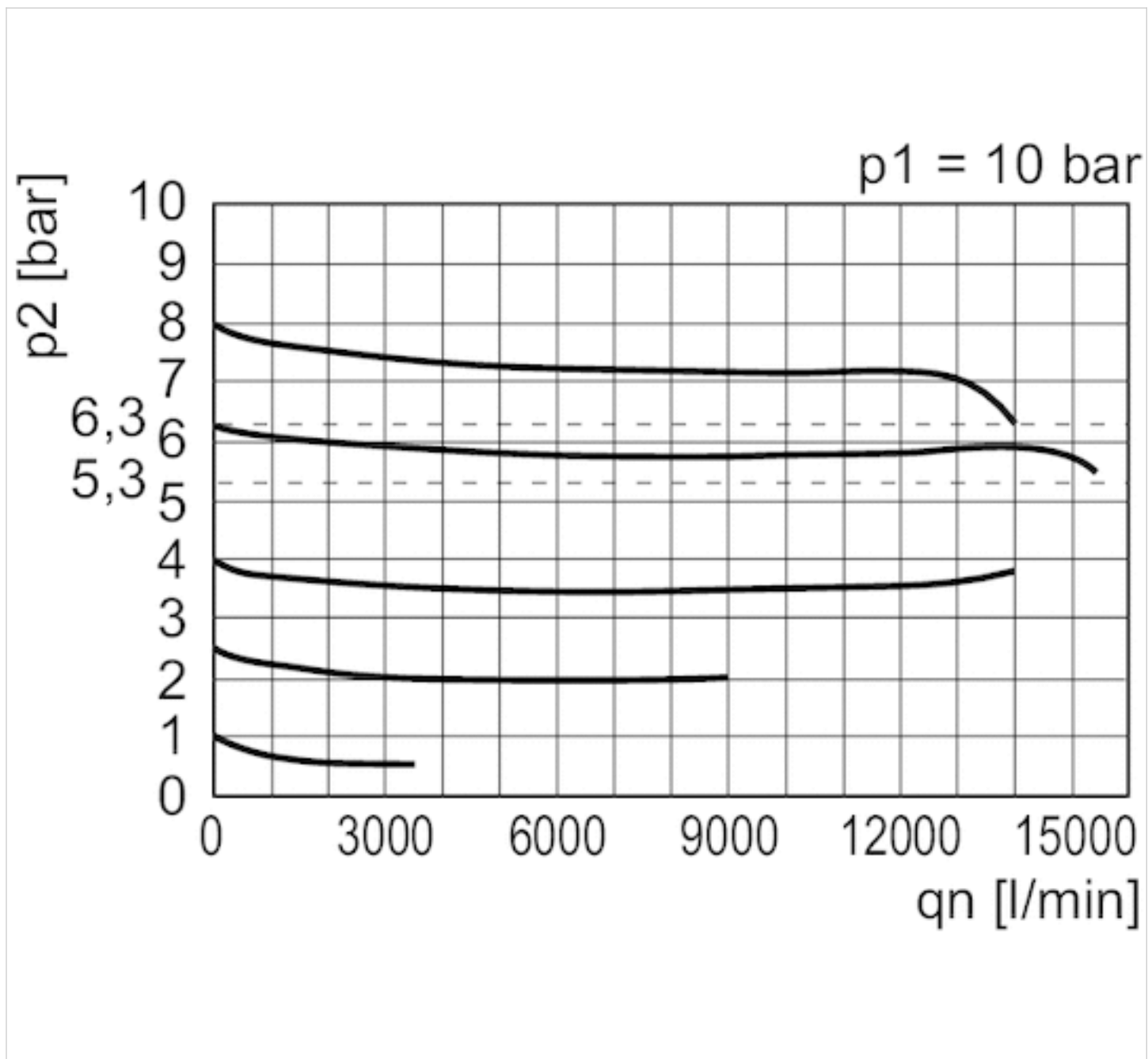
Diagrams

Pressure characteristics curve



p1 = working pressure
 p2 = secondary pressure
 q = flow rate

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



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

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