Pressure regulator, Series NL6-RGS

- G 3/4 G 1
- Qn = 15000 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 ... 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
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			
0821302801		—	G 3/4	15000 l/min	-	1,46 kg	1)
0821302803			G 3/4	15000 l/min	with pressure gauge	1,55 kg	2)
0821302802		—	G 1	15000 l/min	-	1,46 kg	1)
0821302804			G 1	15000 l/min	with pressure gauge	1,55 kg	2)

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

1) Order pressure gauge separately, Suitable for use in Ex zones 1, 2, 21, 22.

2) Pressure gauge enclosed 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).

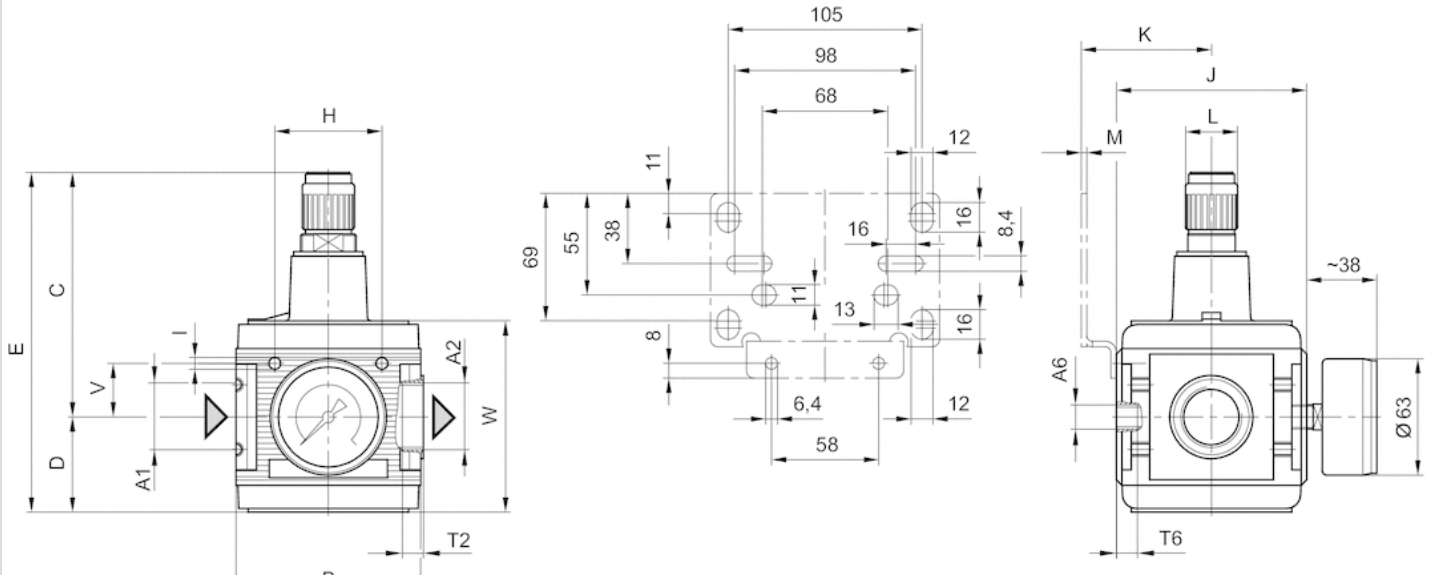
Recommended pre-filtering 5 µm

Technical information

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

Dimensions

Dimensions



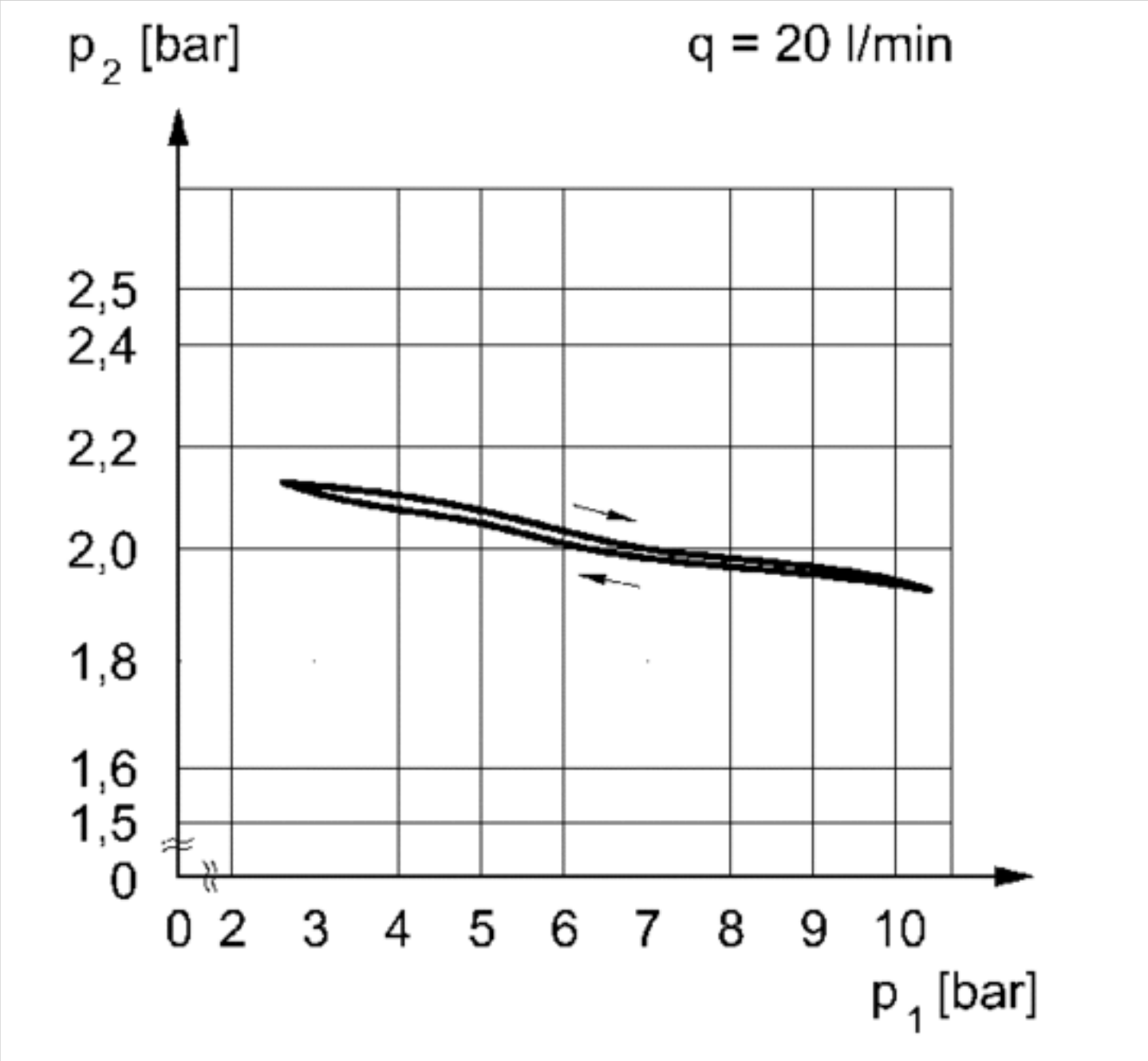
A1 = input
A2 = output
A6 = output

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	132	51.5	183.5	58	M6	103	70.5	28	3	18	7	29	103.5
G 1	G 1	G 1/4	100	132	51.5	183.5	58	M6	103	70.5	28	3	18	7	29	103.5

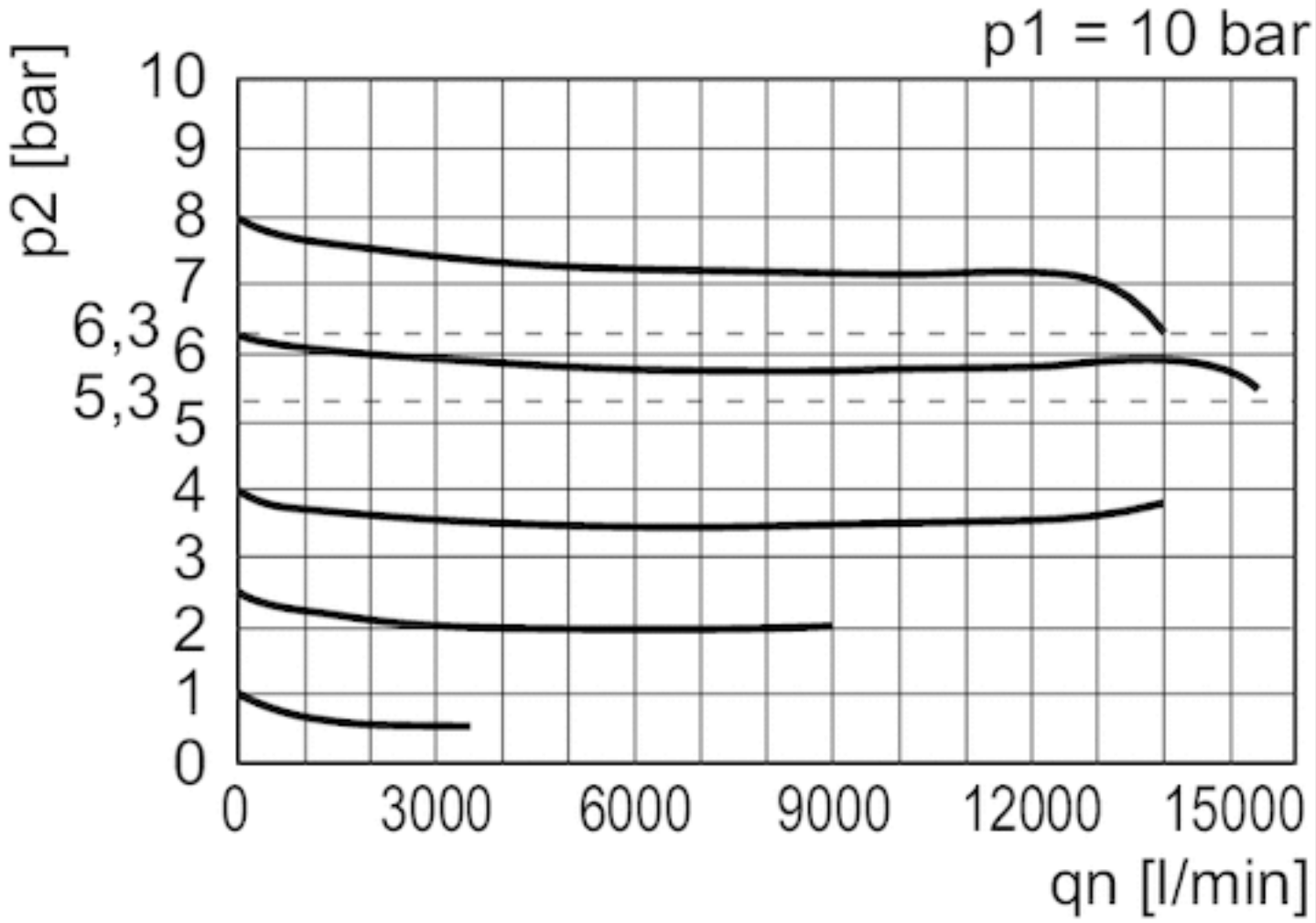
Diagrams

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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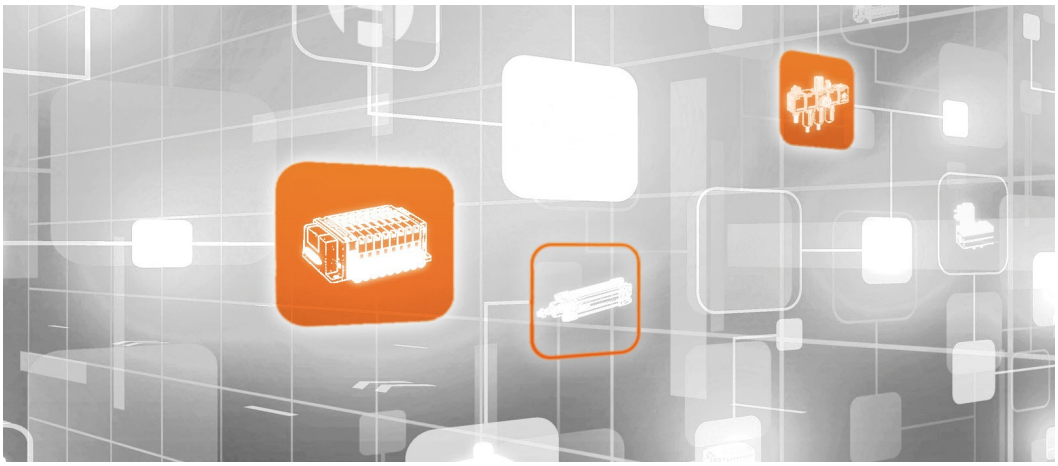

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