

Pressure regulator, Series NL4-RGS

- G 1/2
- Qn = 9500 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 ... 16 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 with relieving air exhaust
Regulator function	
Adjustment range min./max.	0,5 ... 10 bar
Pressure supply	single
Activation	Pneumatically
Weight	0,85 kg



Technical data

Part No.	Port	Flow
		Qn
R412004952	G 1/2	9500 l/min
R412007667	G 3/4	9500 l/min

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.

Relieving exhaust (≤ 0.3 bar over set pressure)

With rear exhaust (> 3 bar)

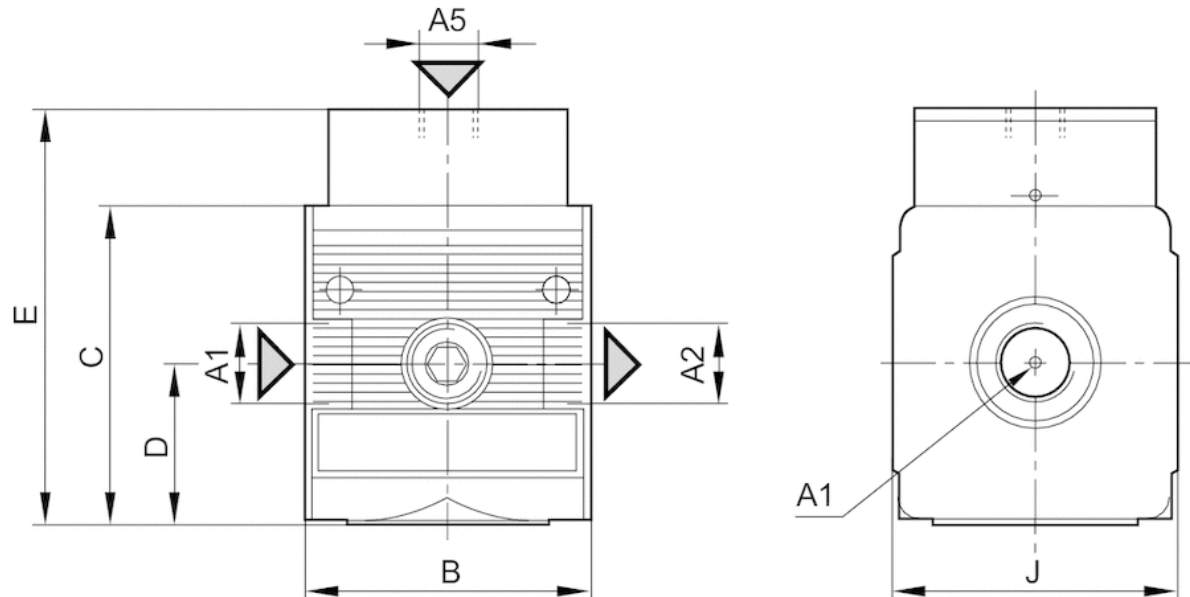
Recommended pre-filtering 5 μ m

Technical information

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

Dimensions

Dimensions



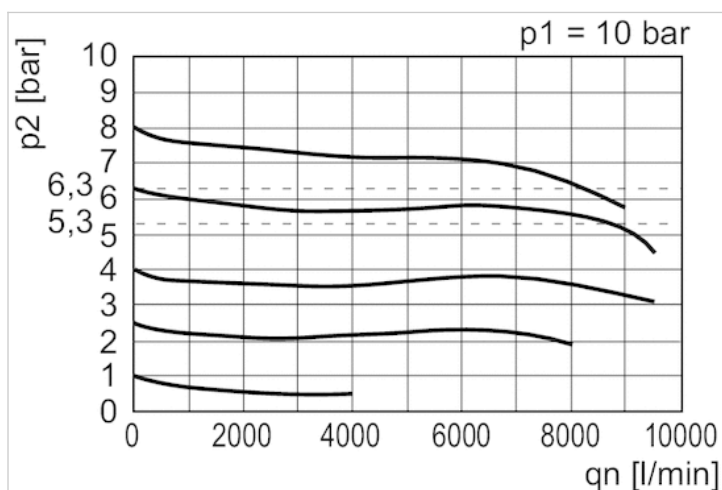
A1 = input
A2 = output
A5 = control pressure connection

Dimensions in mm

Part No.	A1	A2	A5	B	C	D	E	J
R412004952	G 1/2	G 1/2	G 1/4	69.5	70	36.5	93.5	67
R412007667	G 3/4	G 3/4	G 1/4	69.5	70	36.5	93.5	67

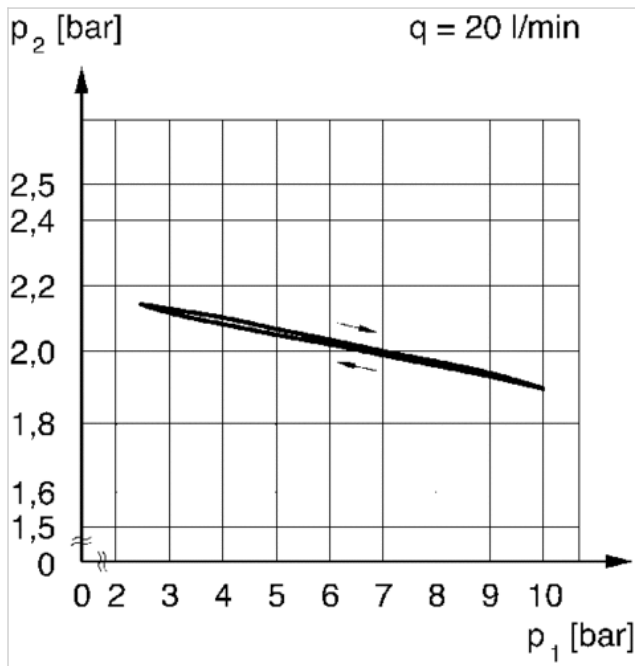
Diagrams

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



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

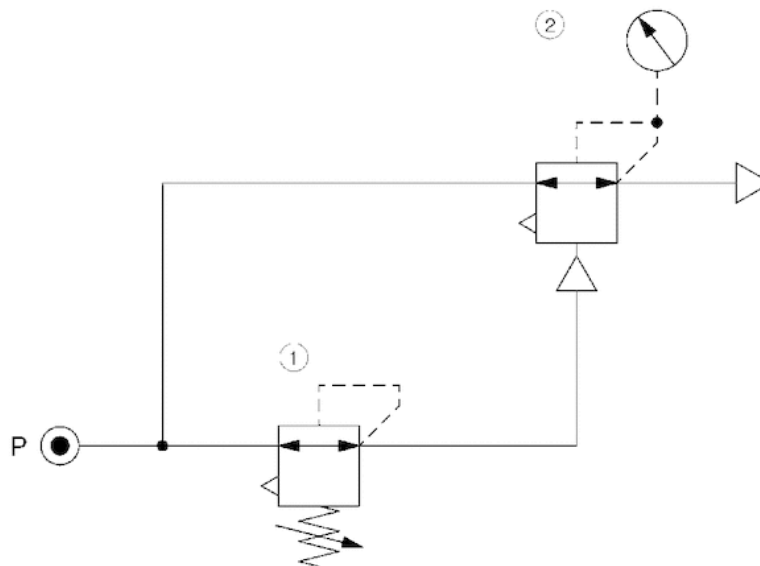
Pressure characteristics curve



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

Circuit diagram

Application example



1) precision pressure regulator 2) pressure regulator valve, pneumatically operated