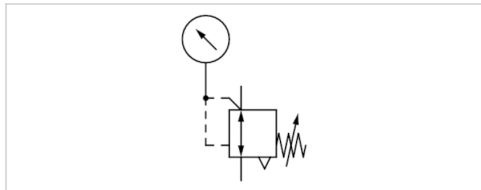





# Pressure regulator, Series NL2-RGS

- G 1/4
- Qn = 2000 l/min
- Standard pressure regulator
- Activation Mechanical
- with pressure gauge in hand wheel
- 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	0,4 kg

## Technical data

Part No.		Port	Flow	Adjustment range min./max.
			Qn	
0821302557		G 1/4	2000 l/min	0,1 ... 3 bar
0821302559		G 1/4	2000 l/min	0,2 ... 6 bar
0821302558		G 1/4	2000 l/min	0,5 ... 10 bar

Part No.	Pressure gauge
0821302557	with pressure gauge in hand wheel
0821302559	with pressure gauge in hand wheel
0821302558	with pressure gauge in hand wheel

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar, Panel nut included in scope of delivery

Suitable for use in Ex zones 1, 2, 21, 22

## Technical information



EMERSON™

AVENTICS®

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 ( $\leq 0.3$  bar over set pressure)

With rear exhaust ( $> 3$  bar )

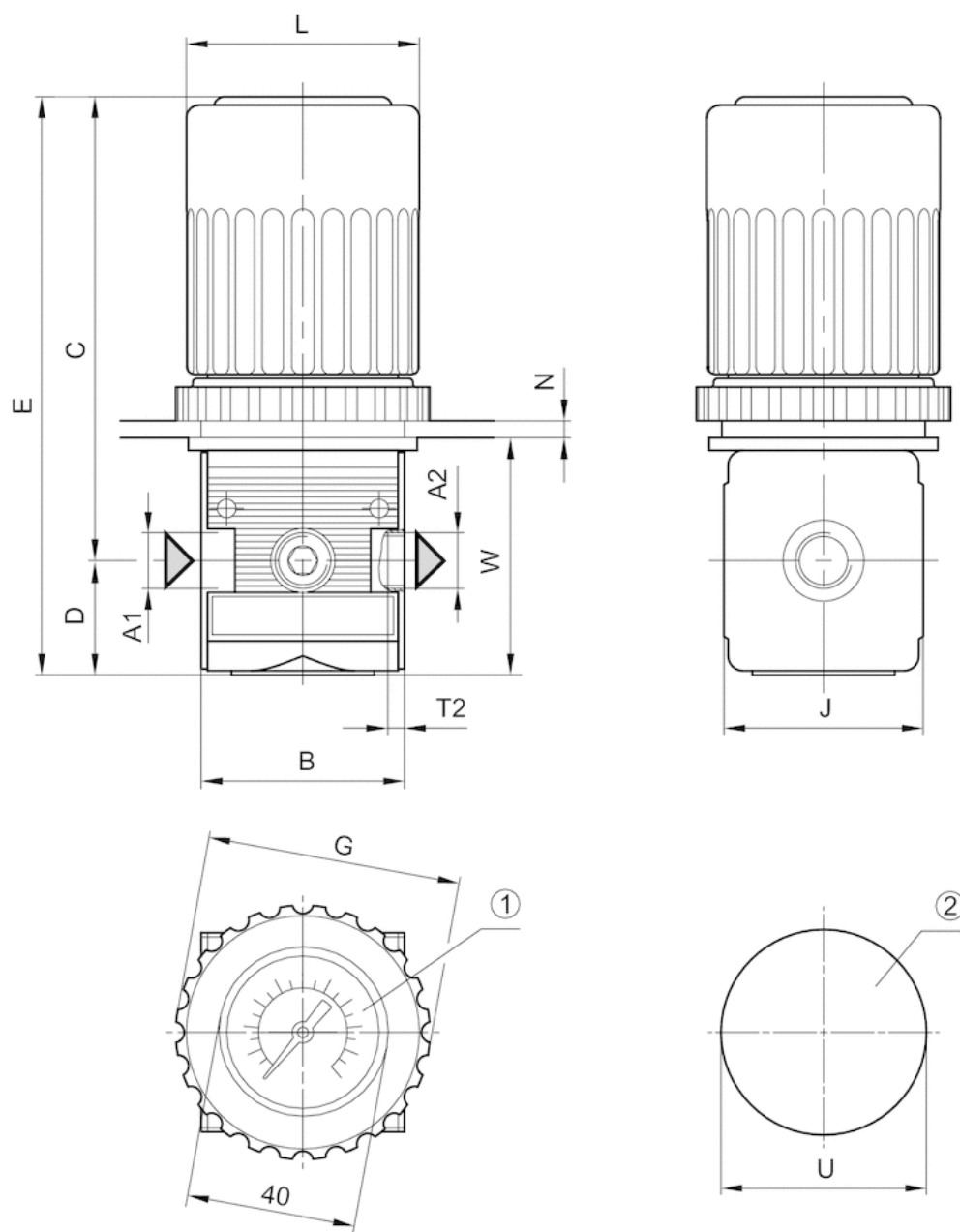
Recommended pre-filtering 5  $\mu\text{m}$

## Technical information

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

## Dimensions

### Dimensions



A1 = input A2 = output

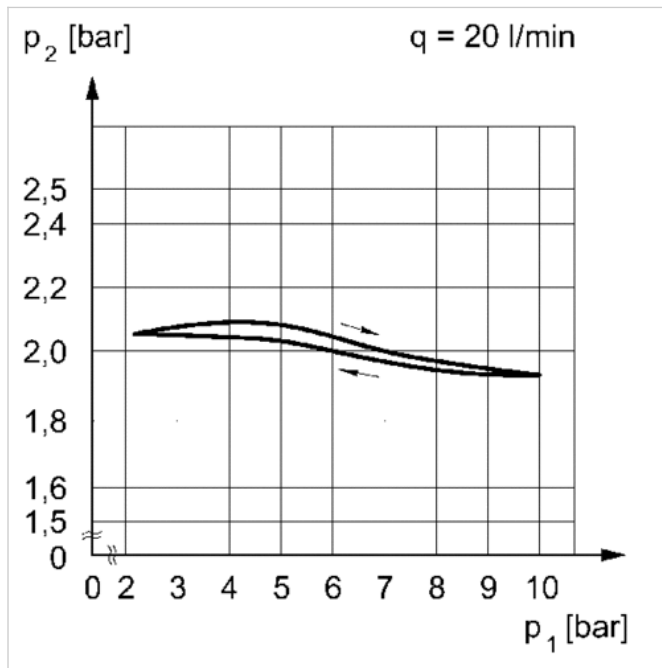
1) pressure gauge Ø 402) opening for control panel assembly

### Dimensions in mm

A1	A2	B	C	D	E	G	J	L	N	T2	U	W
G 1/4	G 1/4	48	107	27	133	60	47	54	4	9.5	48.5	55

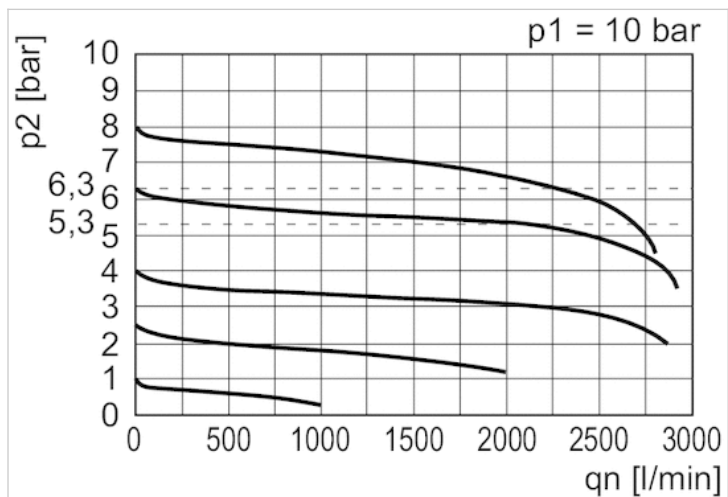
## Diagrams

### Pressure characteristics curve



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

### Flow rate characteristic (setting range $p_2$ : 0.5 - 10 bar)



$p_1$  = Working pressure  $p_2$  = Secondary pressure  $q_n$  = Nominal flow