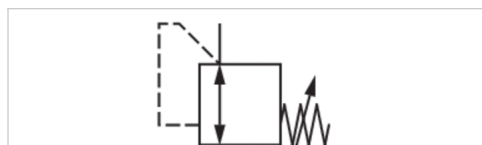


# Precision pressure regulator, Series NL2-RGP-...-DS

- G 1/4
- Qn = 1500 l/min
- Precision pressure regulator
- Activation Mechanical
- with continuous pressure supply
- suitable for ATEX



## Parts

Mounting orientation

Certificates

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Regulator type

Regulator function

Adjustment range min./max.

Pressure supply

Activation

Internal air consumption q max.

Weight

Precision pressure regulator with continuous pressure supply

Any

suitable for ATEX

0,5 ... 16 bar

-10 ... 60 °C

-10 ... 60 °C

Compressed air Neutral gases

Diaphragm-type pressure regulator Can be assembled into blocks

with relieving air exhaust

See table

double

Mechanical

2,6 l/min

0,325 kg

## Technical data

Part No.	Port	Flow	Adjustment range min./max.	Max. pressure gauge Ø in blocked state
		Qn		
0821302527	G 1/4	1500 l/min	0,1 ... 3 bar	50 mm
0821302528	G 1/4	1500 l/min	0,2 ... 6 bar	50 mm
0821302529	G 1/4	1500 l/min	0,5 ... 10 bar	50 mm

## 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

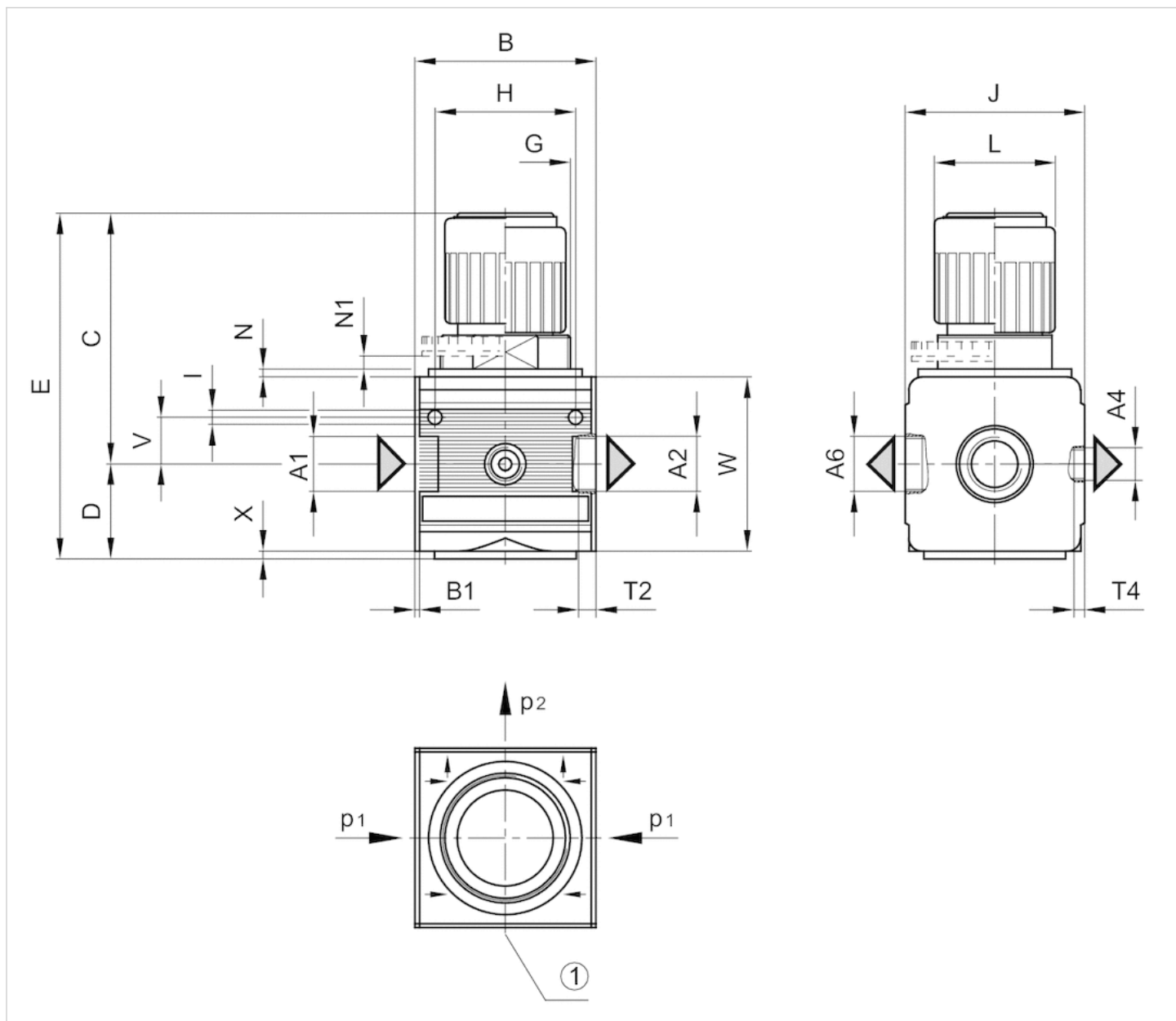
Recommended pre-filtering 5 µm

## Technical information

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

## Dimensions

### Dimensions



A1 = input A2 = output A6 = output

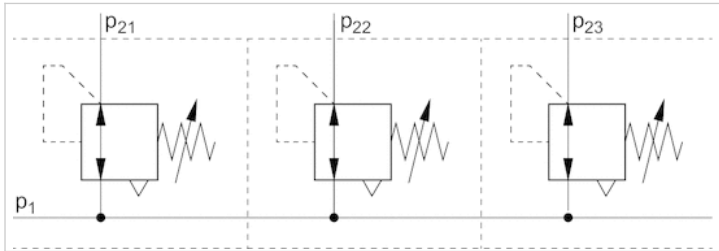
1) pressure gauge connection p1 = working pressure p2 = secondary pressure

### Dimensions in mm

A1	A2	A4	A6	B	B1	C	D	E	G	H	I	J	L	N	N1	T2	T4	V	W	X
G 1/4	G 1/4	G 1/4	G 1/4	48	1.5	67.5	27	94.5	M30x1,5	36	4.4	47	28	3	3.5	9.5	7	12.3	52	1
G 1/4	G 1/4	G 1/4	G 1/4	48	1.5	67.5	27	94.5	M30x1,5	36	4.4	47	28	3	3.5	9.5	7	12.3	52	1

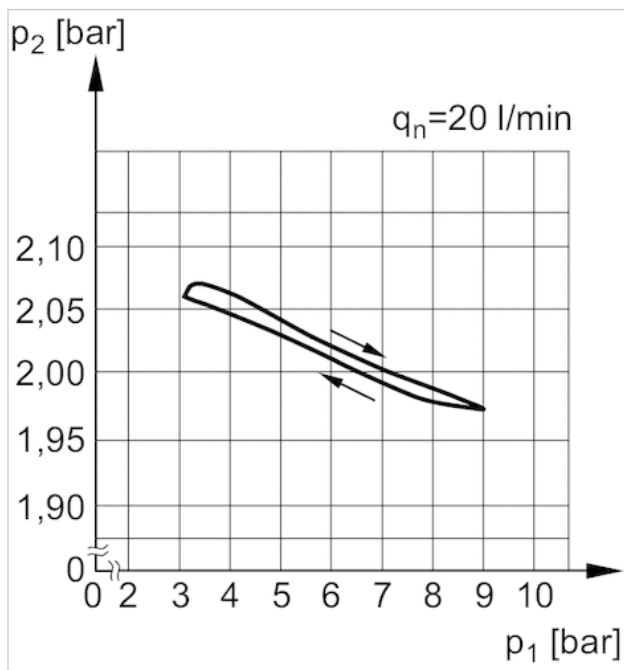
## Diagrams

### Application example



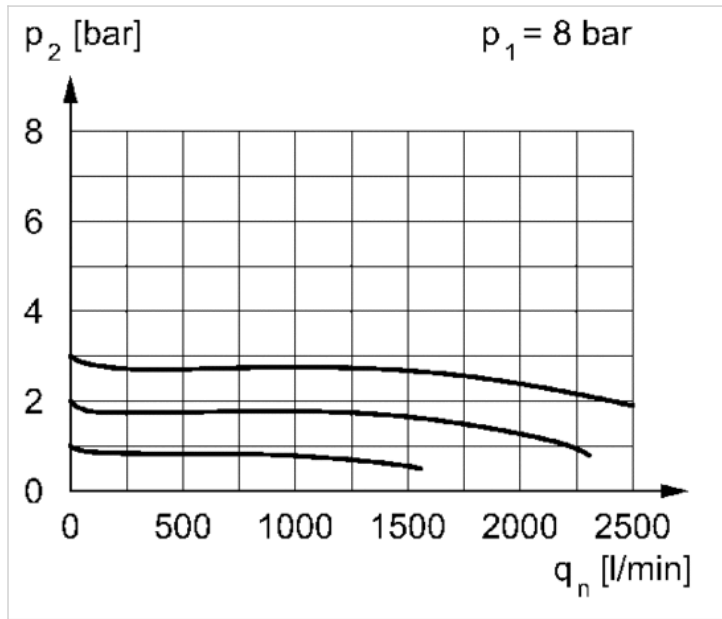
$p_1$  = working pressure  
 $p_{21}$ ;  $p_{22}$ ;  $p_{23}$  = secondary pressure

### Pressure characteristics curve



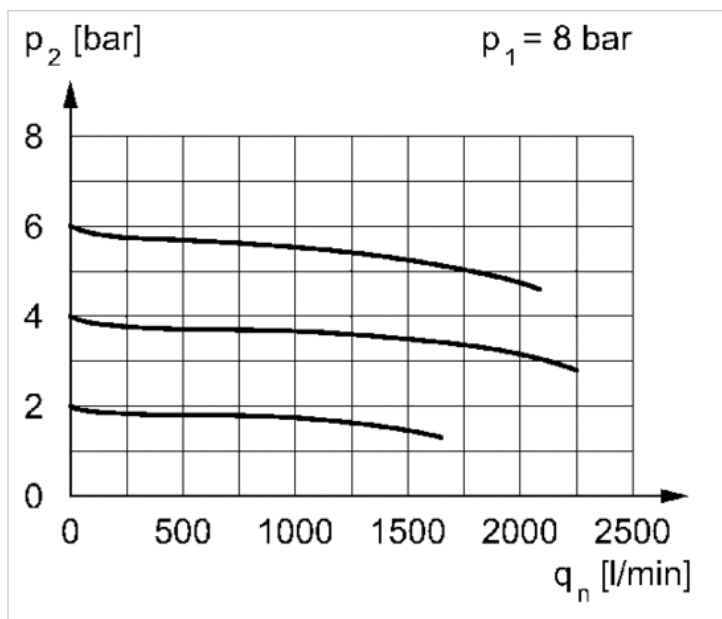
$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow

Flow rate characteristic



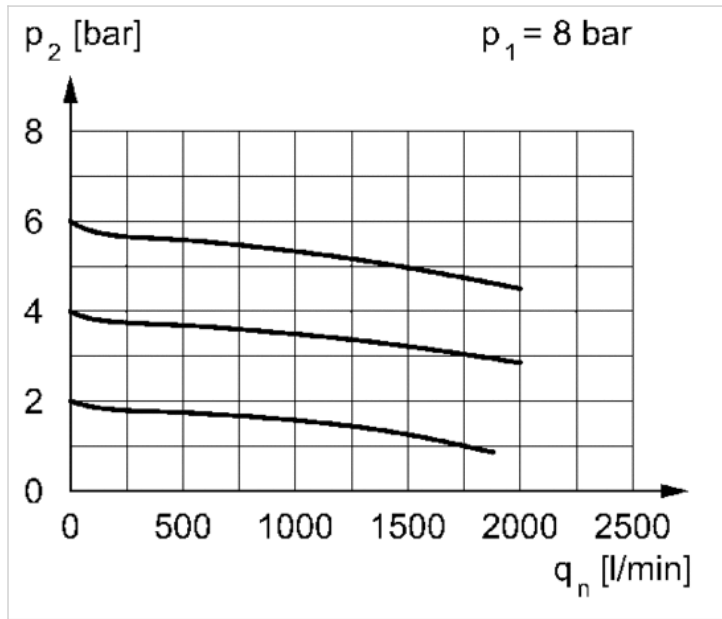
$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow  
 $p_2 = 0,1 - 3 \text{ bar}$

Flow rate characteristic



$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow  
 $p_2 = 0,2 - 6 \text{ bar}$

### Flow rate characteristic



$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow  
 $p_2 = 0,5 - 10$  bar