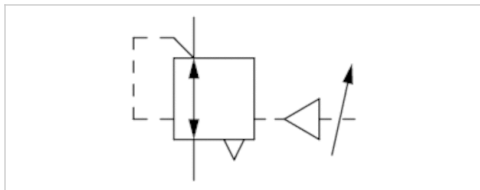


# Pressure regulator, Series AS2-RGS

- G 1/4 G 3/8
- Qn = 2700 l/min
- Standard pressure regulator
- Activation Pneumatically



Parts	Pressure regulator
Mounting orientation	Any
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °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 ... 16 bar
Pressure supply	single
Activation	Pneumatically
Weight	0,314 kg

## Technical data

Part No.	Port	Flow
		Qn
R412006094	G 1/4	2700 l/min
R412006095	G 3/8	2700 l/min

Control pressure: see diagram, Nominal flow Qn with secondary pressure p2 = 6 bar at  $\Delta p = 1$  bar

Order pressure gauge separately

## Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .  
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 ( $\leq 0.3$  bar over set pressure)

With rear exhaust ( $> 3$  bar )

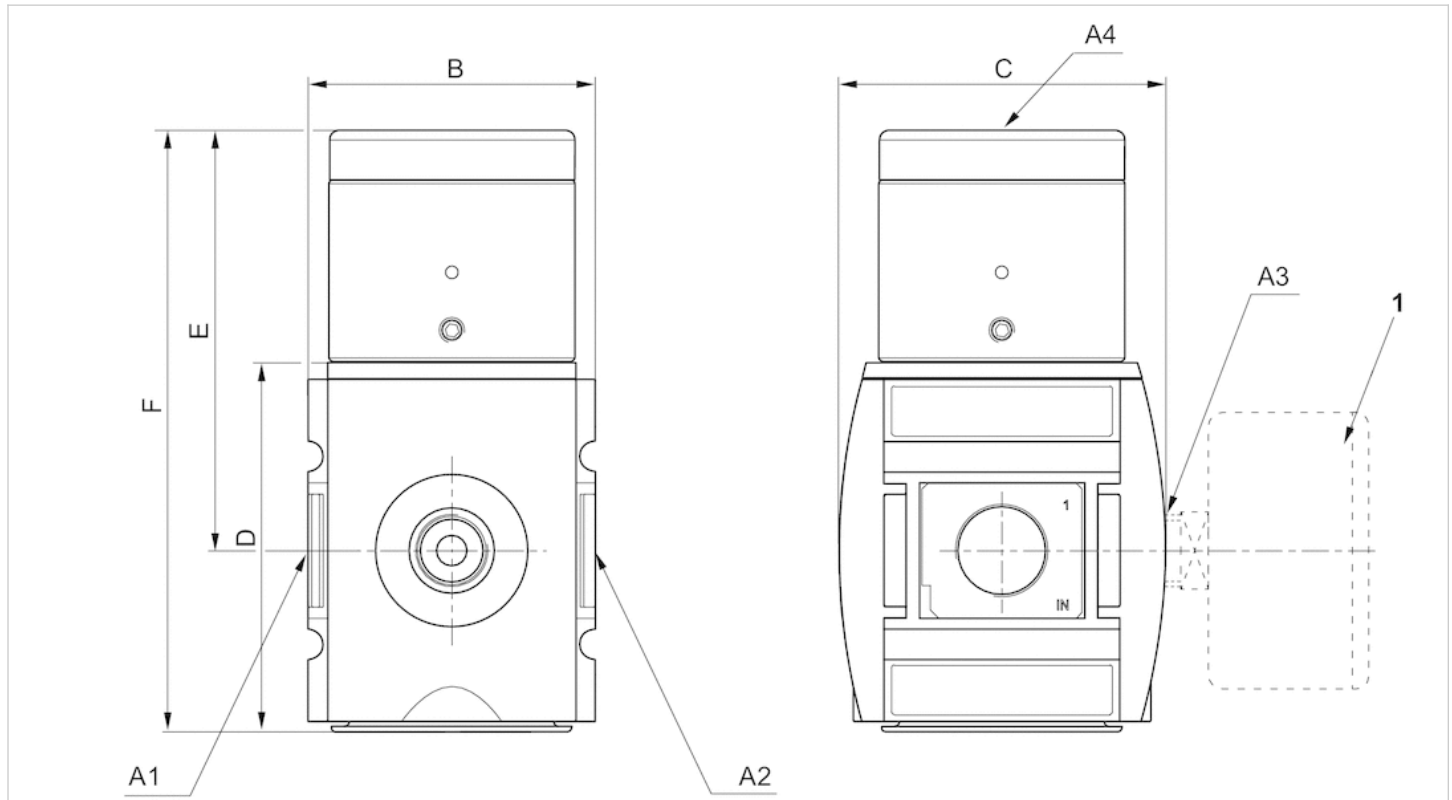
## Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene

Material	
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

## Dimensions

### Dimensions



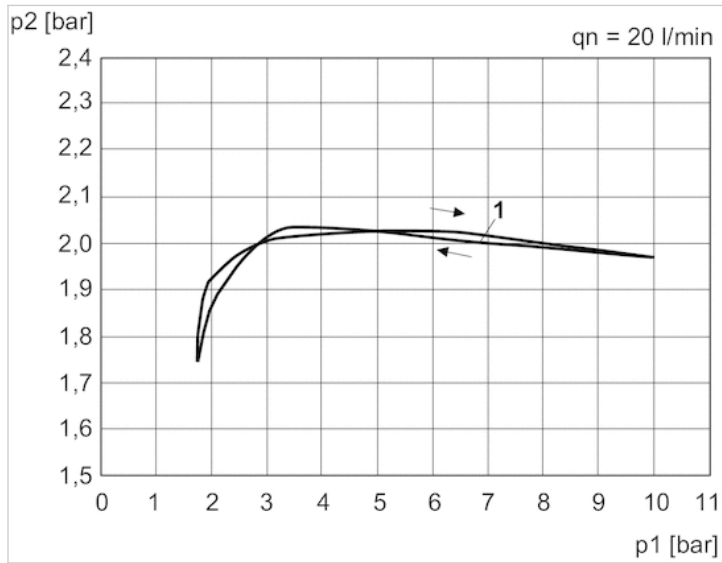
- A1 = input
- A2 = output
- A3 = pressure gauge connection
- A4 = control pressure connection
- 1) Order pressure gauge separately

### Dimensions in mm

A1	A2	A3	A4	B	C	D	E	F
G 1/4	G 1/4	G 1/4	G 1/8	52	59	66.8	72	105
G 3/8	G 3/8	G 3/8	G 1/8	52	59	66.8	72	105

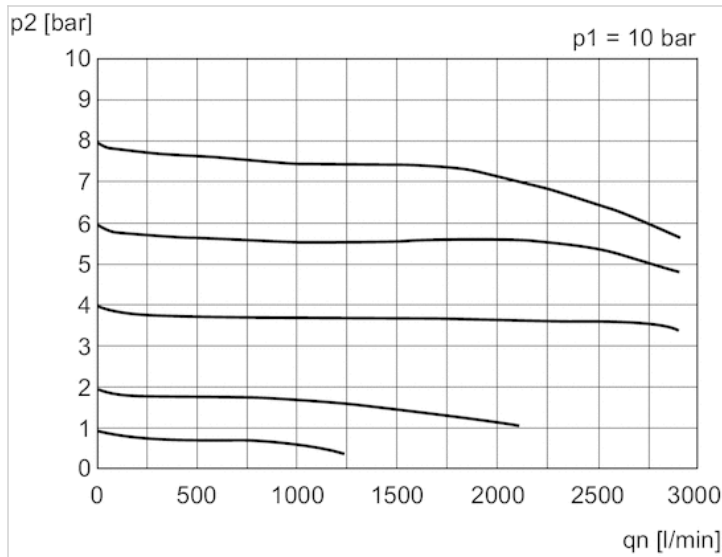
# Diagrams

## Pressure characteristics curve



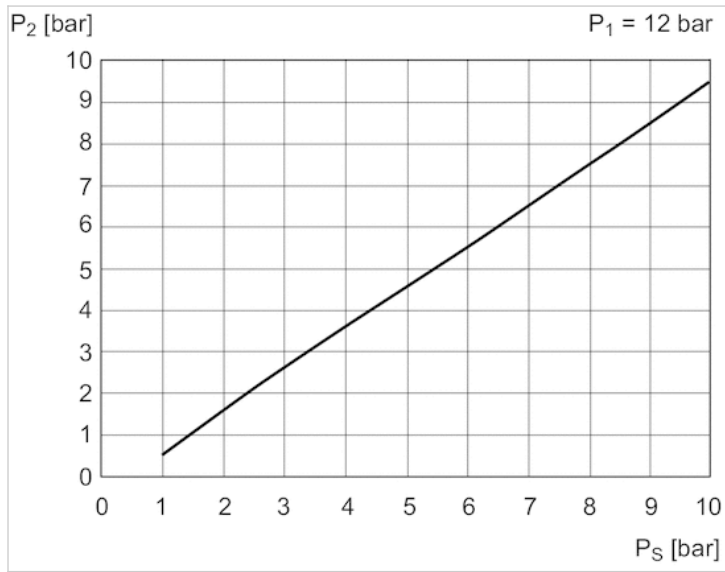
p1 = Working pressure  
p2 = Secondary pressure  
qn = Nominal flow  
1) = Starting point

## Flow rate characteristic (p2: 0.5 - 8 bar)



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

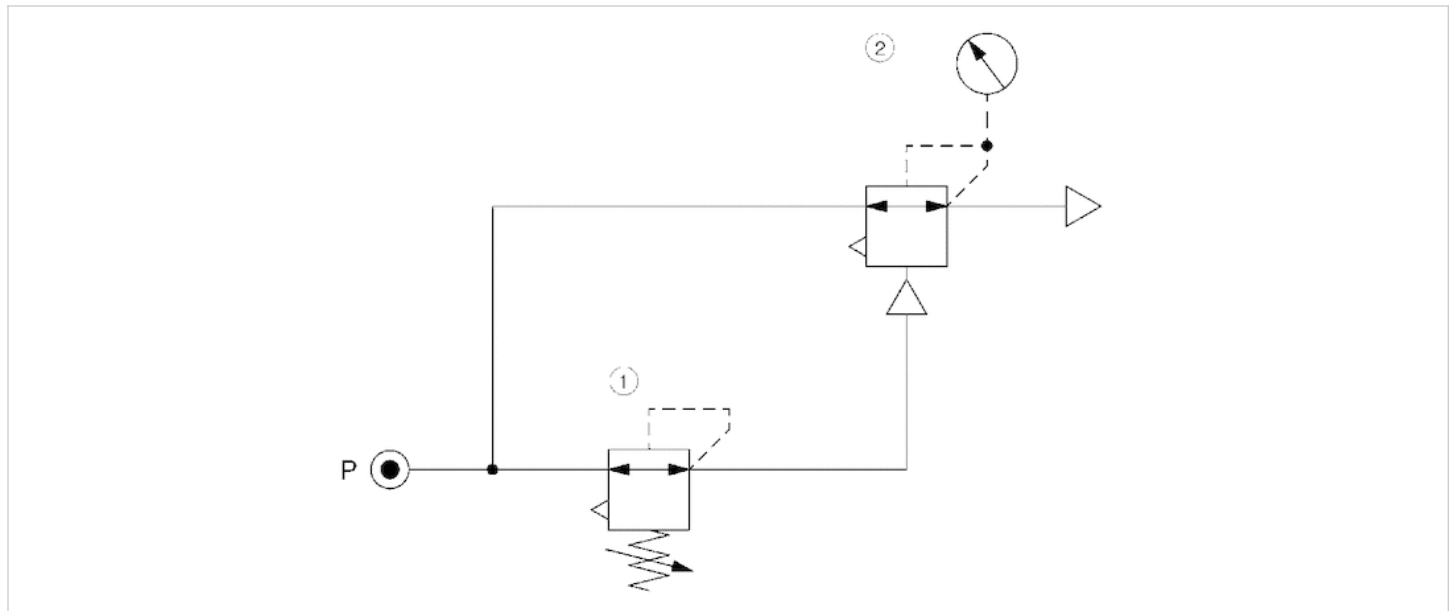
### control pressure characteristic



$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $PS$  = control pressure

### Circuit diagram

### Application example



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