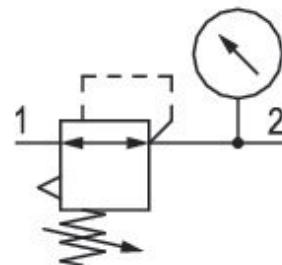


# Pressure regulator, Series AS2-RGS

## R412006119

### General series information Series AS2

- The AVENTICS Series AS2 is a modular, versatile maintenance unit for universal application. This Series offers compact dimensions, is highly efficient, lightweight and easy-to-use. The AVENTICS Series AS guarantees reliability, safety, and efficiency with a simplified assembly and maintenance efforts.



### Technical data

Industry  
Industrial  
Function  
Standard pressure regulator  
Parts  
Pressure regulator  
Port  
G 3/8  
Nominal flow Qn  
2700 l/min  
Pressure gauge  
with pressure gauge  
Mounting orientation  
Any

Regulator type  
Diaphragm-type pressure regulator  
Regulation range min.  
0.5 bar  
Regulation range max.  
8 bar  
Working pressure min.  
0.5 bar  
Working pressure max  
16 bar  
Min. ambient temperature  
-10 °C  
Max. ambient temperature  
50 °C

Activation	Lock type
Mechanical	for padlocks
Regulator function	Medium
with relieving air exhaust	Compressed air
Regulator type	Neutral gases
Can be assembled into blocks	Weight
Pressure supply	0.32 kg
single	

## Material

Housing material	Material threaded bushing
Polyamide	Die cast zinc
Material front plate	Part No.
Acrylonitrile butadiene styrene	R412006119
Seal material	
Acrylonitrile butadiene rubber	

## 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).

Nominal flow Qn with secondary pressure  $p_2 = 6$  bar at  $\Delta p = 1$  bar

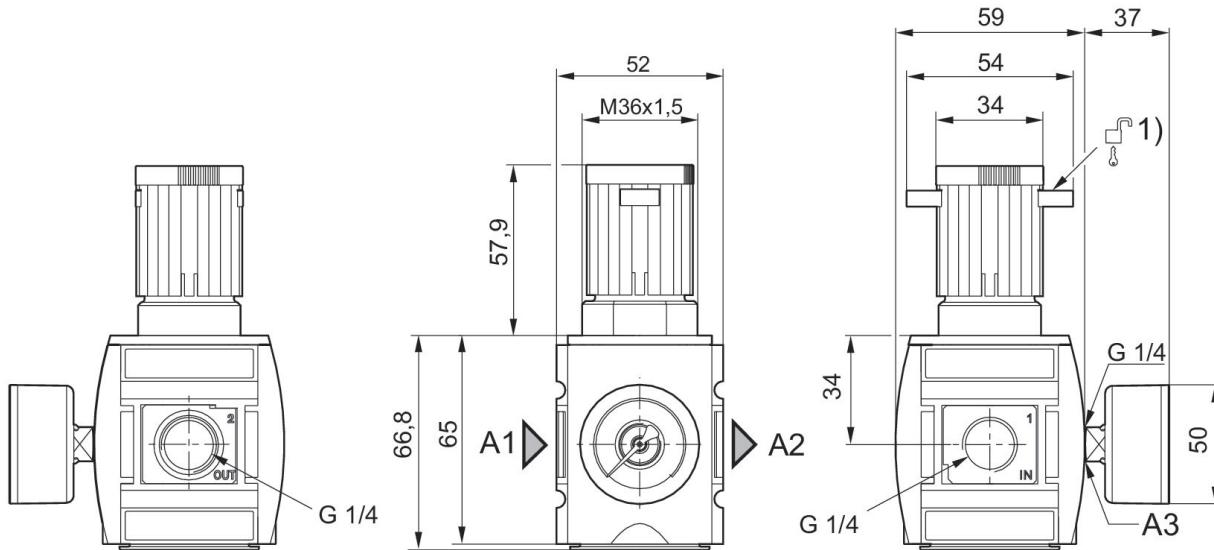
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Relieving exhaust ( $\leq 0.3$  bar over set pressure)

Pressure gauge enclosed separately

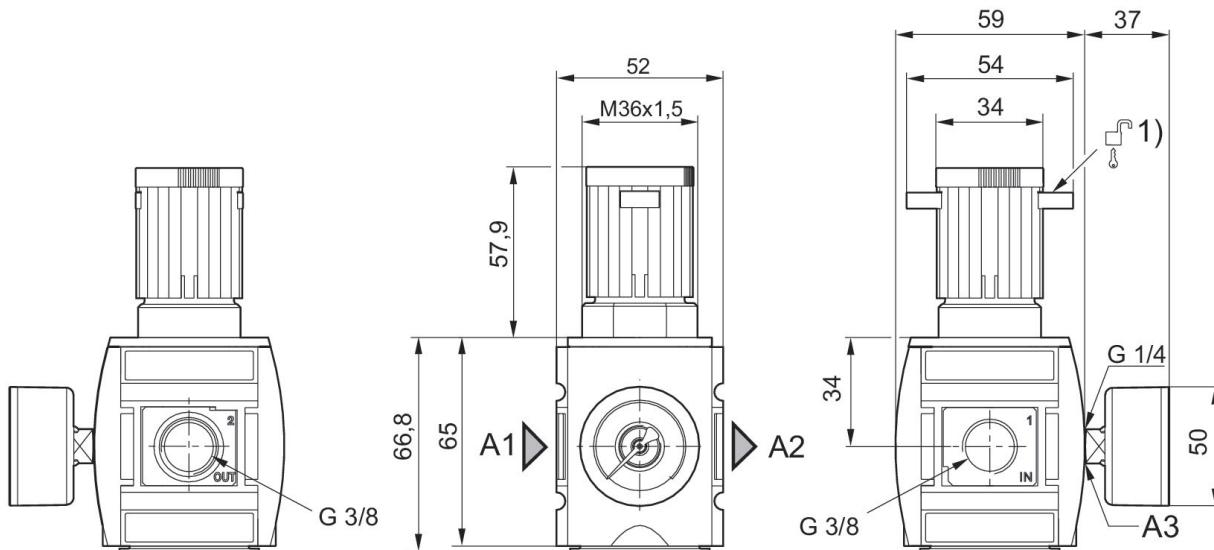
With rear exhaust ( $>3$  bar)

## Dimensions in mm



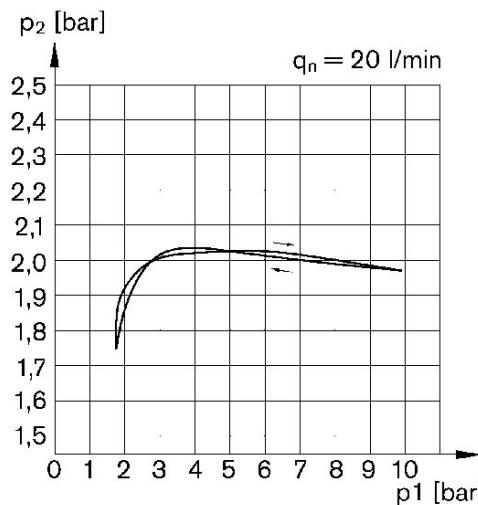
A1 = input A2 = output  
A3 = pressure gauge connection  
1) Mounting option for padlocks, max. shackle Ø 8

## Dimensions in mm Fig. 2



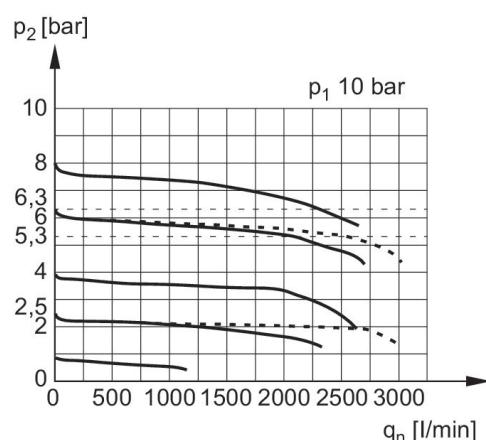
A1 = input A2 = output  
A3 = pressure gauge connection  
1) Mounting option for padlocks, max. shackle Ø 8

Pressure characteristics curve  
Standard version



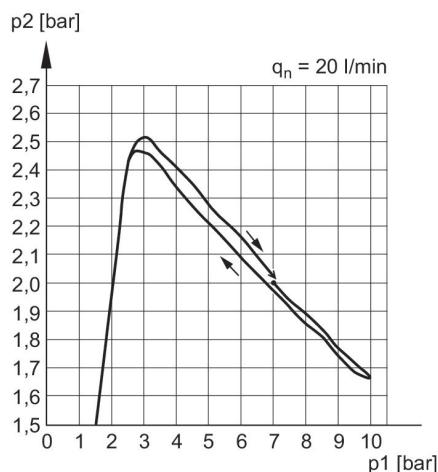
$p_1$  = Working pressure  $p_2$  = Secondary pressure  $q_n$  = Nominal flow

Flow rate characteristic ( $p_2$ : 0,5 - 8 bar)



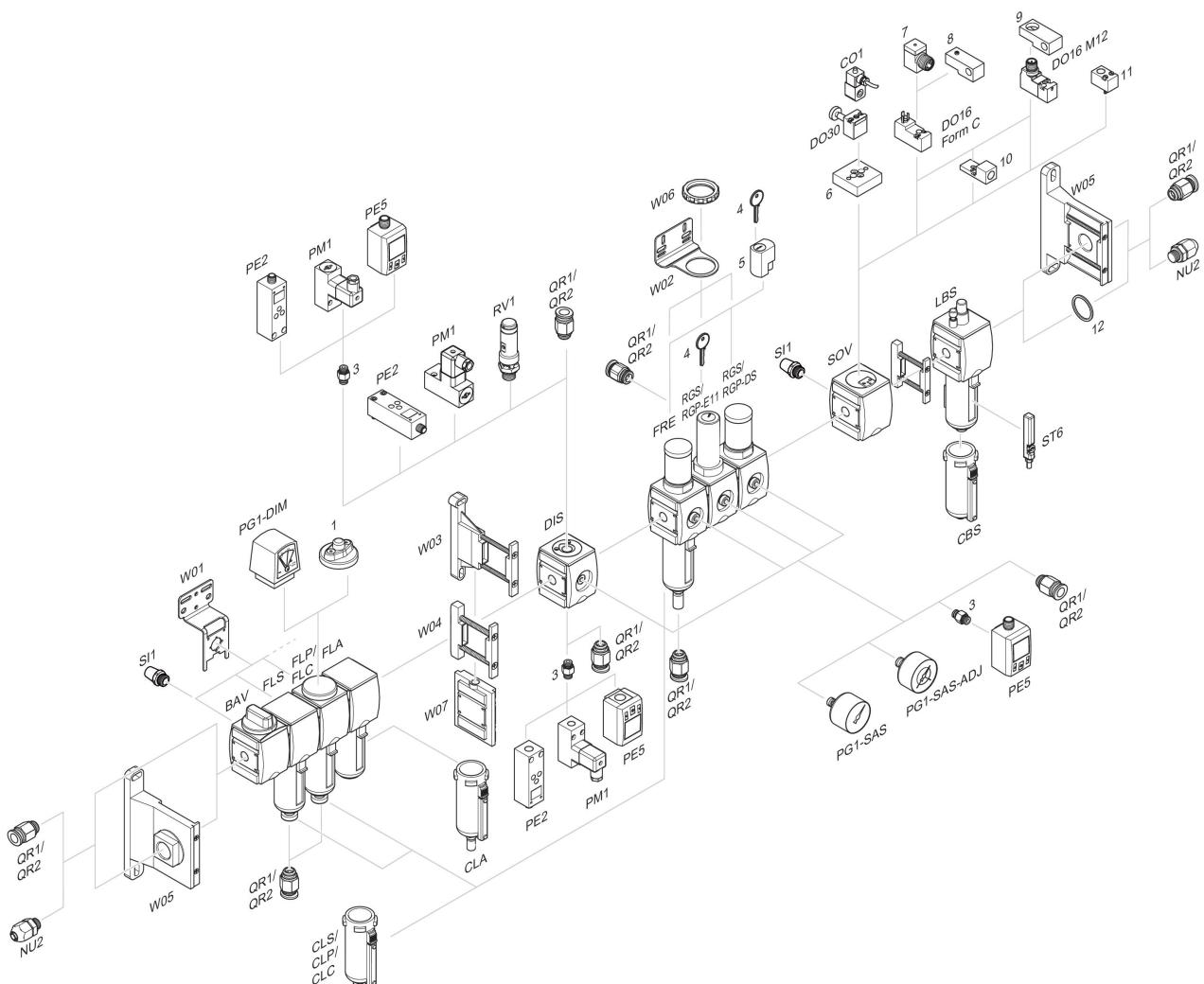
$p_1$  = Working pressure  $p_2$  = Secondary pressure  $q_n$  = Nominal flow

Pressure characteristics curve  
Version with safe rear exhaust in case of  
drop (removal) of pilot pressure



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

## Accessories overview



1 = contamination display 3 = Double nipple 4 = Key for E11 locking 5 = mortise lock 6 = Transition plate DO30 7 = Adapter, Series CON-VP 8 = Mounting aid DO16, form C 9 = Mounting aid DO16, M12 10 = Adapter for external pilot air 11 = Adapter pneumatic operation 12 = Sealing ring