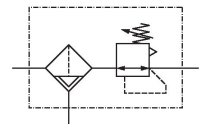


## Series AS5

The AVENTICS Series AS5 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

Note

Archive product: Do not use in new constructions!

Parts

Filter pressure regulator

Reservoir

reservoir, polycarbonate, with PA protective guard

Port

G 1

Nominal flow Qn

14000 l/min

Filter porosity

5 µm

Condensate drain

fully automatic, closed without pressure

Pressure gauge

without pressure gauge

Min. working pressure

1.5 bar

Max. working pressure

16 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. regulation range

0.5 bar

Max. regulation range

8 bar

Lock type

for padlocks

Type

1-part

Type

Can be assembled into blocks

|                                                              |                                   |
|--------------------------------------------------------------|-----------------------------------|
| Pressure supply                                              | single                            |
| Mounting orientation                                         | vertical                          |
| Regulator type                                               | Diaphragm-type pressure regulator |
| Regulator function                                           | with relieving air exhaust        |
| Max. Internal air consumption                                | 1.5 l/min                         |
| Filter element                                               | exchangeable                      |
| Filter reservoir volume                                      | 87 cm <sup>3</sup>                |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 6 : 7 : -                         |
| Medium                                                       | Compressed air<br>Neutral gases   |
| Weight                                                       | 1.04 kg                           |

## Material

|                           |                                 |
|---------------------------|---------------------------------|
| Housing material          | Polyamide                       |
| Seal material             | Acrylonitrile butadiene rubber  |
| Material front plate      | Acrylonitrile butadiene styrene |
| Material threaded bushing | Die cast zinc                   |
| Material reservoir        | Polycarbonate                   |
| Material protective guard | Polyamide                       |
| Material filter insert    | Polyethylene                    |
| Part No.                  | R412009186                      |

## Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

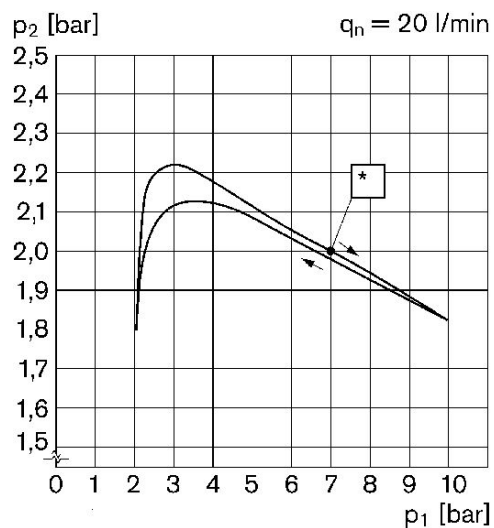
Nominal flow  $Q_n$  with secondary pressure  $p_2 = 6$  bar at  $\Delta p = 1$  bar

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.

Also suitable for separation of fluid oil or water due to the design.

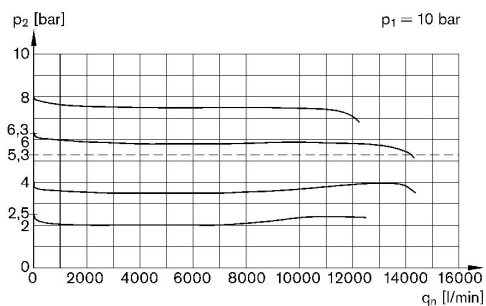
Order pressure gauge separately

## Pressure characteristics curve



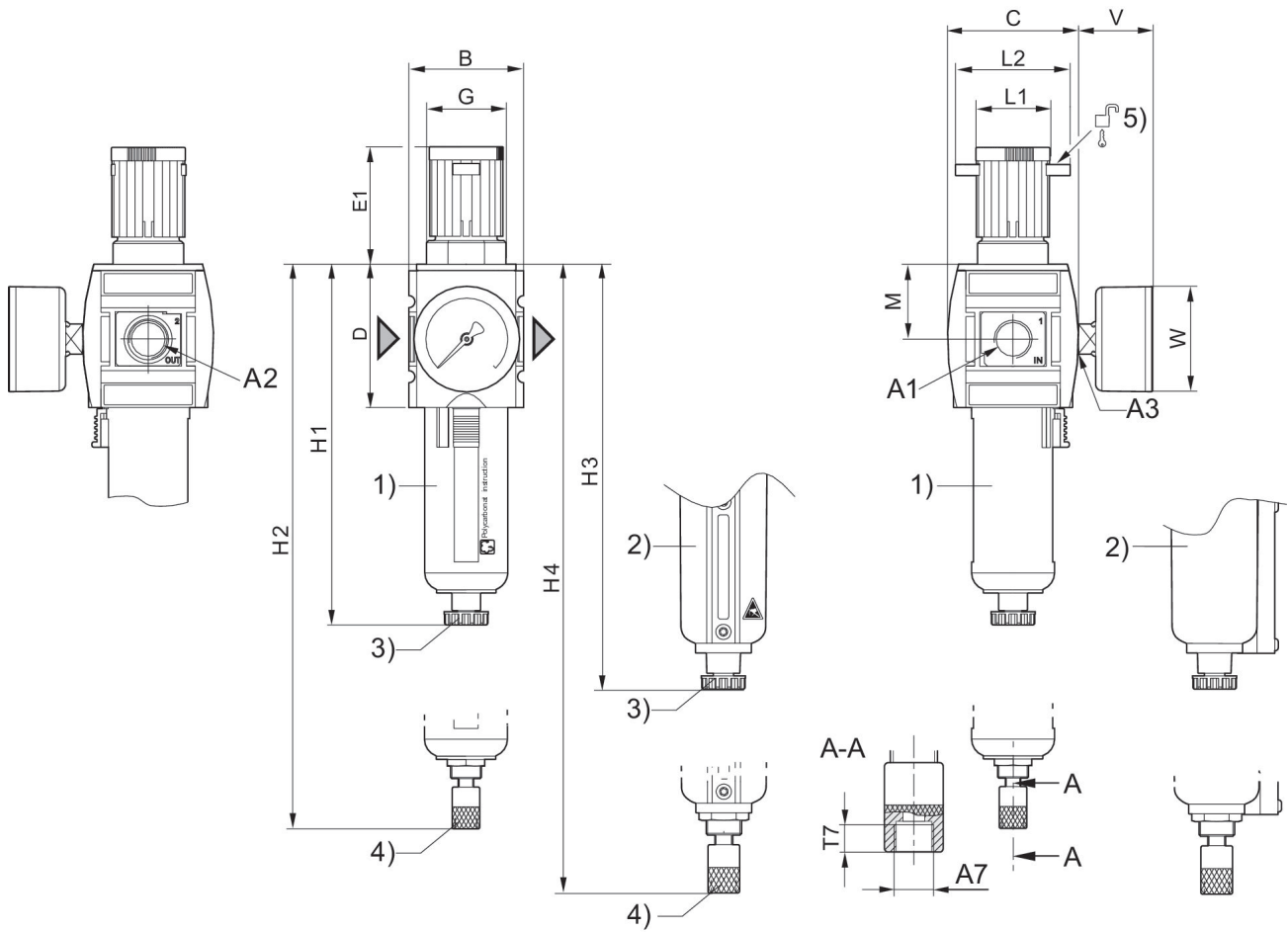
$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow  
 \* starting point

## Flow rate characteristic (setting range $p_2$ : 0.5 - 8 bar)



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

## Dimensions



A1 = input A2 = output A3 = pressure gauge connection

A7 = condensate drain

1) Plastic reservoir and protective guard with window

2) Metal reservoir with level indicator

3) Semi-automatic condensate drain

4) Fully automatic condensate drain

5) Mounting option for padlocks, max. shackle Ø 8

# Filter pressure regulator, Series AS5-FRE

R412009186

AS5

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## Dimensions in mm

| Part No.          | A1    | A2    | A3    | A7    | B  | C   | D   | E1 | G       | H1  |
|-------------------|-------|-------|-------|-------|----|-----|-----|----|---------|-----|
| R412009200        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009201        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009202        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009206        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009207        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009208        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009209        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009210        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009211        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009215        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009216        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009217        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009175        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009176        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009177        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009193        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009194        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009195        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009181        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009182        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009183        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009184        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009185        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| <b>R412009186</b> | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009192        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009191        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009190        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009196        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009197        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |
| R412009198        | G 1   | G 1   | G 1/4 | G 1/8 | 85 | 103 | 109 | 75 | M50x1,5 | 250 |

# Filter pressure regulator, Series AS5-FRE

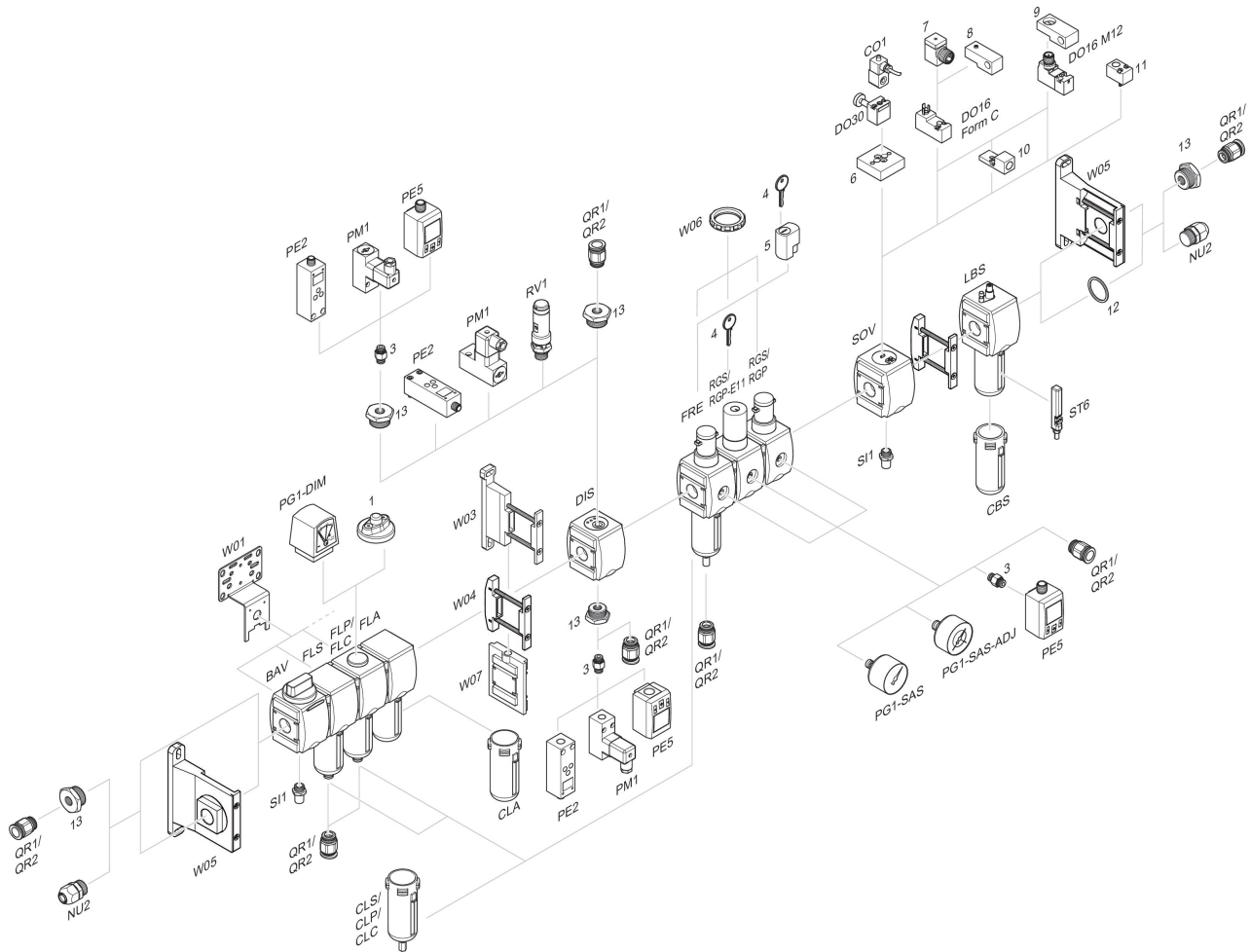
AS5

R412009186

2026-07-08

| Part No.          | H2  | H3    | H4    | L1 | L2 | M  | T7  | V  | W  |
|-------------------|-----|-------|-------|----|----|----|-----|----|----|
| R412009200        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009201        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009202        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009206        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009207        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009208        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009209        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009210        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009211        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009215        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009216        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009217        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009175        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009176        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009177        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009193        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009194        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009195        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009181        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009182        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009183        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009184        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009185        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| <b>R412009186</b> | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009192        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009191        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009190        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009196        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009197        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |
| R412009198        | 206 | 193.5 | 210.5 | 41 | 60 | 58 | 8.5 | 38 | 63 |

## 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 13 = Reducing nipple