# Microfilter, Series AS5-FLC

**R412009060**

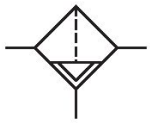


## Series AS5

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.

- Low weight





## Technical data

| | |
|---|---|
| Industry | Industrial |
| Note | Filter porosity: 0,01 µm<br>Archive product: Do not use in new constructions! |
| Parts | Microfilter |
| Reservoir | reservoir, metal, with inspection glass |
| Port | G 3/4 |
| Filter porosity | 0.01 µm |
| Nominal flow Qn | 1600 l/min |
| Condensate drain | semi-automatic, open without pressure |
| Min. working pressure | 1.5 bar |
| Max. working pressure | 16 bar |
| Min. ambient temperature | -10 °C |
| Max. ambient temperature | 50 °C |
| Medium | Compressed air<br>Neutral gases |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 1 : - : 2 |
| Filter reservoir volume | 87 cm³ |
| Filter element | exchangeable |

| | |
|---|---|
| Recommended pre-filtering | 0.3 µm |
| Weight | 1.55 kg |
| contamination display | integrated |
| inspection glass | with window |
| Mounting orientation | vertical |
| Type | Can be assembled into blocks |

## Material

| | |
|---|---|
| Housing material | Polyamide |
| Material front plate | Acrylonitrile butadiene styrene |
| Seal material | Acrylonitrile butadiene rubber |
| Material threaded bushing | Die cast zinc |
| Material reservoir | Die cast zinc |
| Material filter insert | Borosilicate glass fiber |
| Part No. | R412009060 |

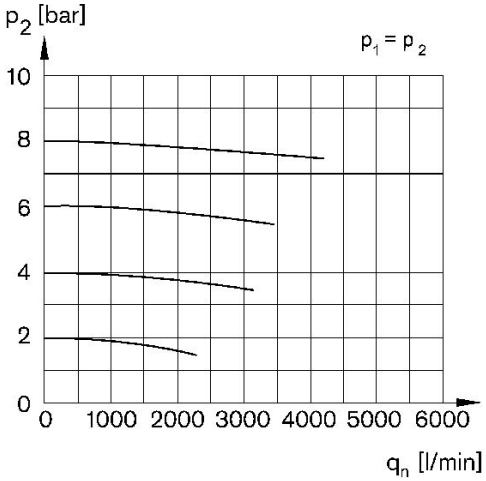
## Technical information

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".

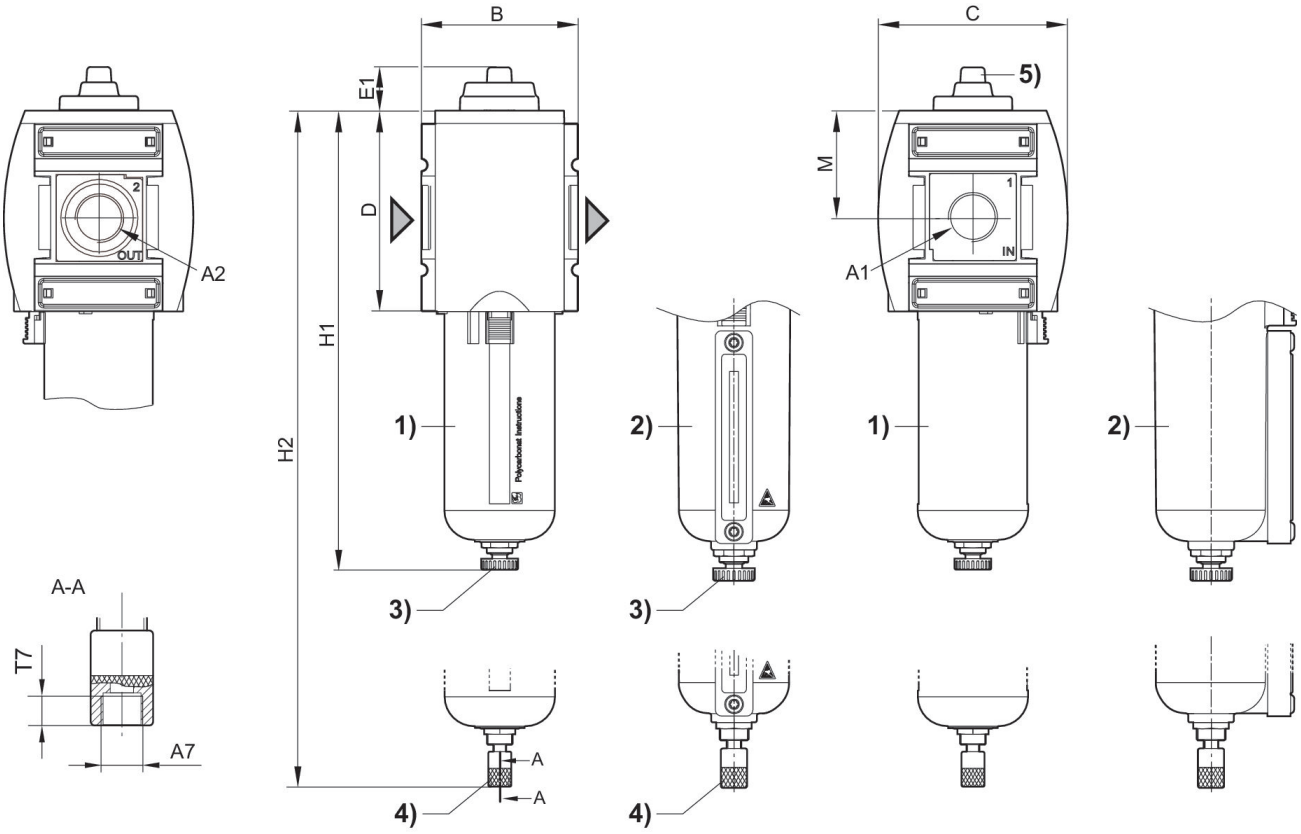
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

## Flow rate characteristic, p2 = 0,05 - 7 bar




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

## Dimensions



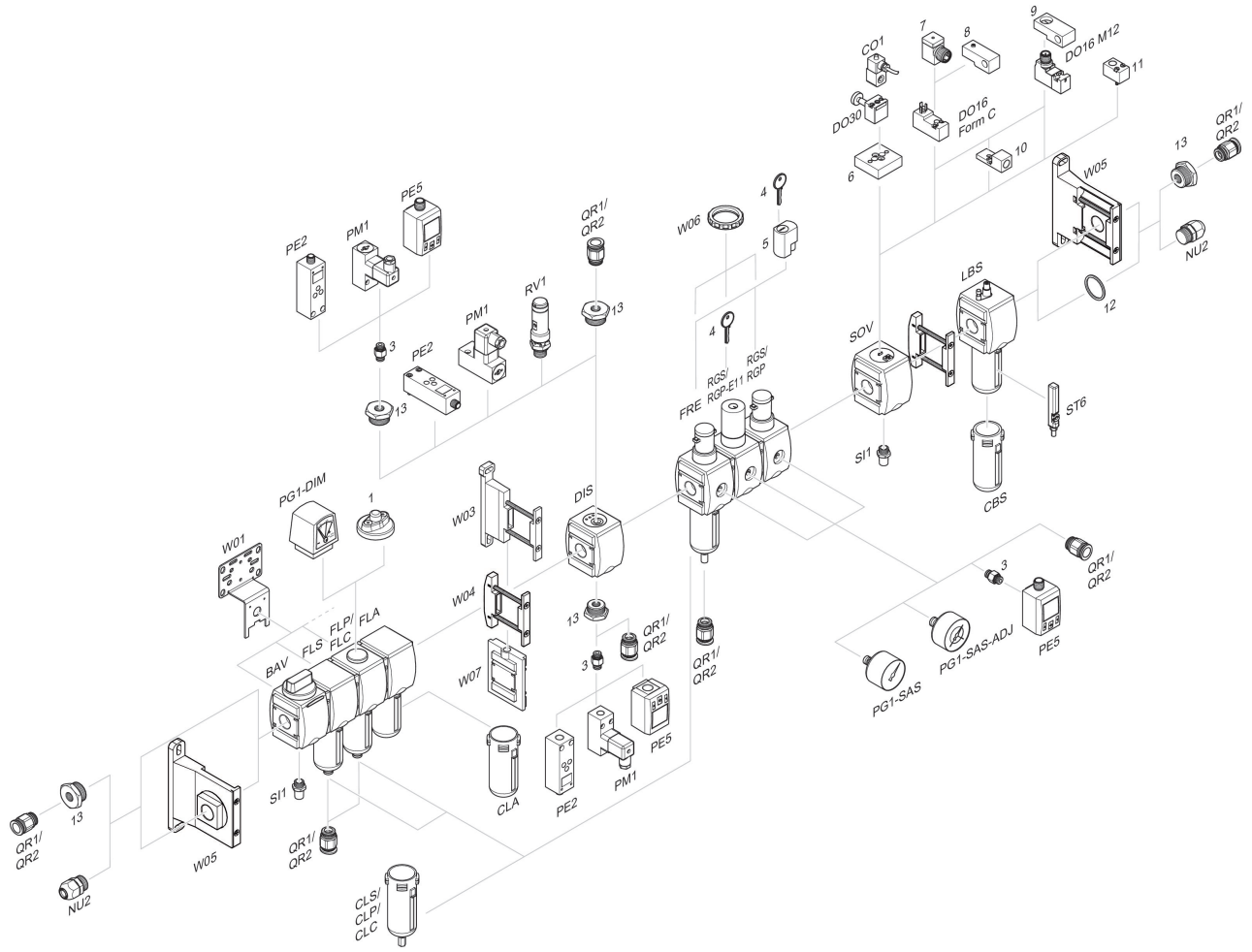

A1 = input A2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) contamination display

## Dimensions in mm

| Part No. | A1 | A2 | A7 | B | C | D | E1 | H1 | H2 | M |
|---|---|---|---|---|---|---|---|---|---|---|
| R412009054 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 23.7 | 250 | -- | 58 |
| R412009055 | G 3/4 | G 3/4 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| R412009056 | G 3/4 | G 3/4 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| R412009063 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 23.7 | 250 | -- | 58 |
| R412009064 | G 1 | G 1 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| R412009065 | G 1 | G 1 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| **R412009060** | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 23.7 | 250 | -- | 58 |
| R412009061 | G 3/4 | G 3/4 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| R412009062 | G 3/4 | G 3/4 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| R412009069 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 23.7 | 250 | -- | 58 |
| R412009070 | G 1 | G 1 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |
| R412009071 | G 1 | G 1 | -- | 85 | 103 | 109 | 23.7 | -- | 266 | 58 |

| Part No. | T7 |
|---|---|
| R412009054 | 8.5 |
| R412009055 | -- |
| R412009056 | -- |
| R412009063 | 8.5 |
| R412009064 | -- |
| R412009065 | -- |
| **R412009060** | 8.5 |
| R412009061 | -- |
| R412009062 | -- |
| R412009069 | 8.5 |
| R412009070 | -- |
| R412009071 | -- |

## 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