# Filter, Series AS5-FLS

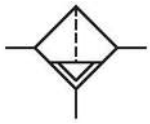
**R412009010**

2024-03-20

## 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 |
| Parts | Filter |
| Reservoir | reservoir, polycarbonate, with PA protective guard |
| Port | G 1 |
| Filter porosity | 5 µm |
| Nominal flow Qn | 7800 l/min |
| Condensate drain | fully 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 | 6 : 7 : - |
| Filter reservoir volume | 87 cm³ |
| Filter element | exchangeable |
| Weight | 0.769 kg |
| Mounting orientation | vertical |

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| | |
|---|---|
| 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 | Polycarbonate |
| Material protective guard | Polyamide |
| Material filter insert | Polyethylene |
| Part No. | R412009010 |

## 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.

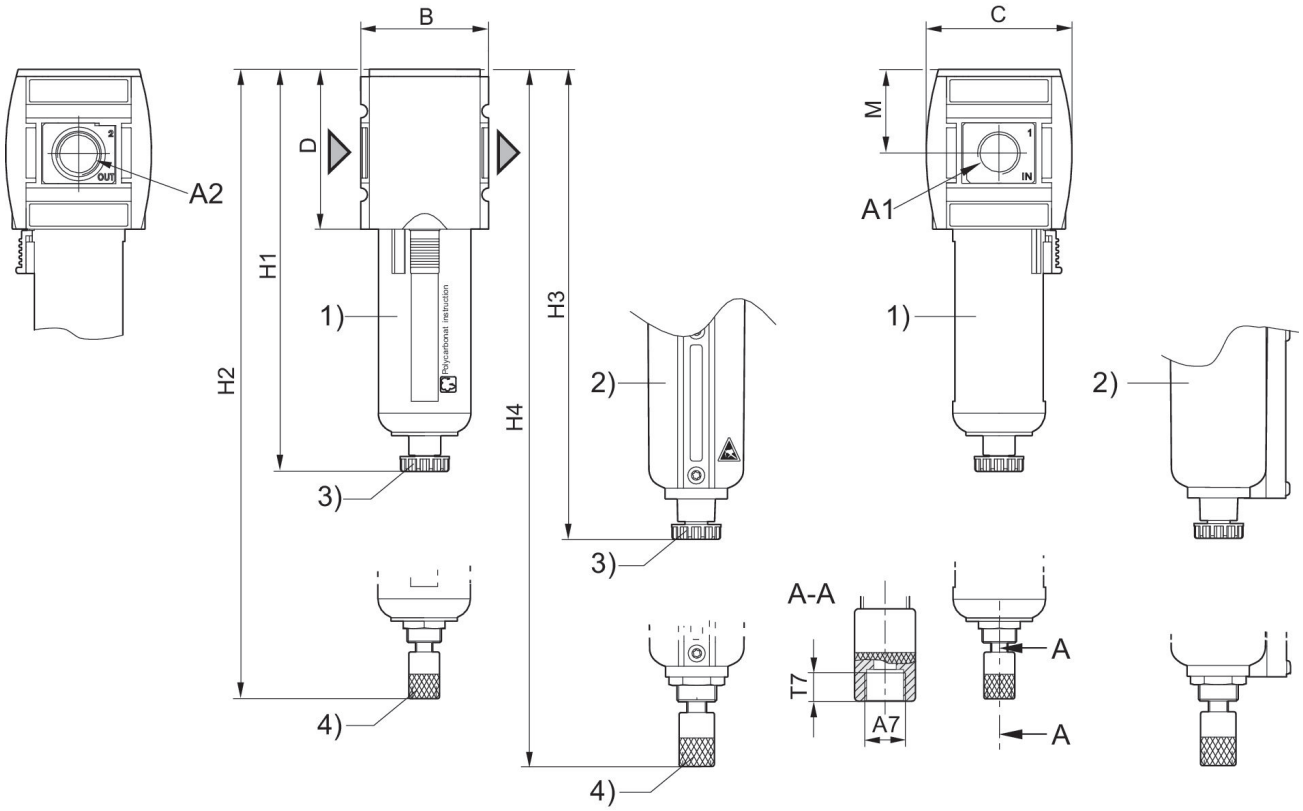
Also suitable for separation of fluid oil or water due to the design.

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## 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

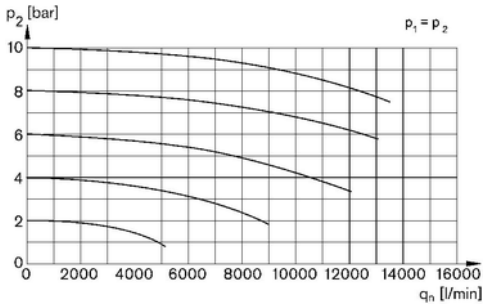
## Dimensions in mm

| Part No. | A1 | A2 | A7 | B | C | D | H1 | H2 | H3 |
|---|---|---|---|---|---|---|---|---|---|
| R412009000 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009001 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009002 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009006 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009007 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009008 | G 3/4 | G 3/4 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009009 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009010 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009011 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009015 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009016 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |
| R412009017 | G 1 | G 1 | G 1/8 | 85 | 103 | 109 | 250 | 266 | 254 |

| Part No. | H4 | M | T7 |
|---|---|---|---|
| R412009000 | 270.5 | 58 | 8.5 |

| Part No. | H4 | M | T7 |
|---|---|---|---|
| R412009001 | 270.5 | 58 | 8.5 |
| R412009002 | 270.5 | 58 | 8.5 |
| R412009006 | 270.5 | 58 | 8.5 |
| R412009007 | 270.5 | 58 | 8.5 |
| R412009008 | 270.5 | 58 | 8.5 |
| R412009009 | 270.5 | 58 | 8.5 |
| R412009010 | 270.5 | 58 | 8.5 |
| R412009011 | 270.5 | 58 | 8.5 |
| R412009015 | 270.5 | 58 | 8.5 |
| R412009016 | 270.5 | 58 | 8.5 |
| R412009017 | 270.5 | 58 | 8.5 |

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



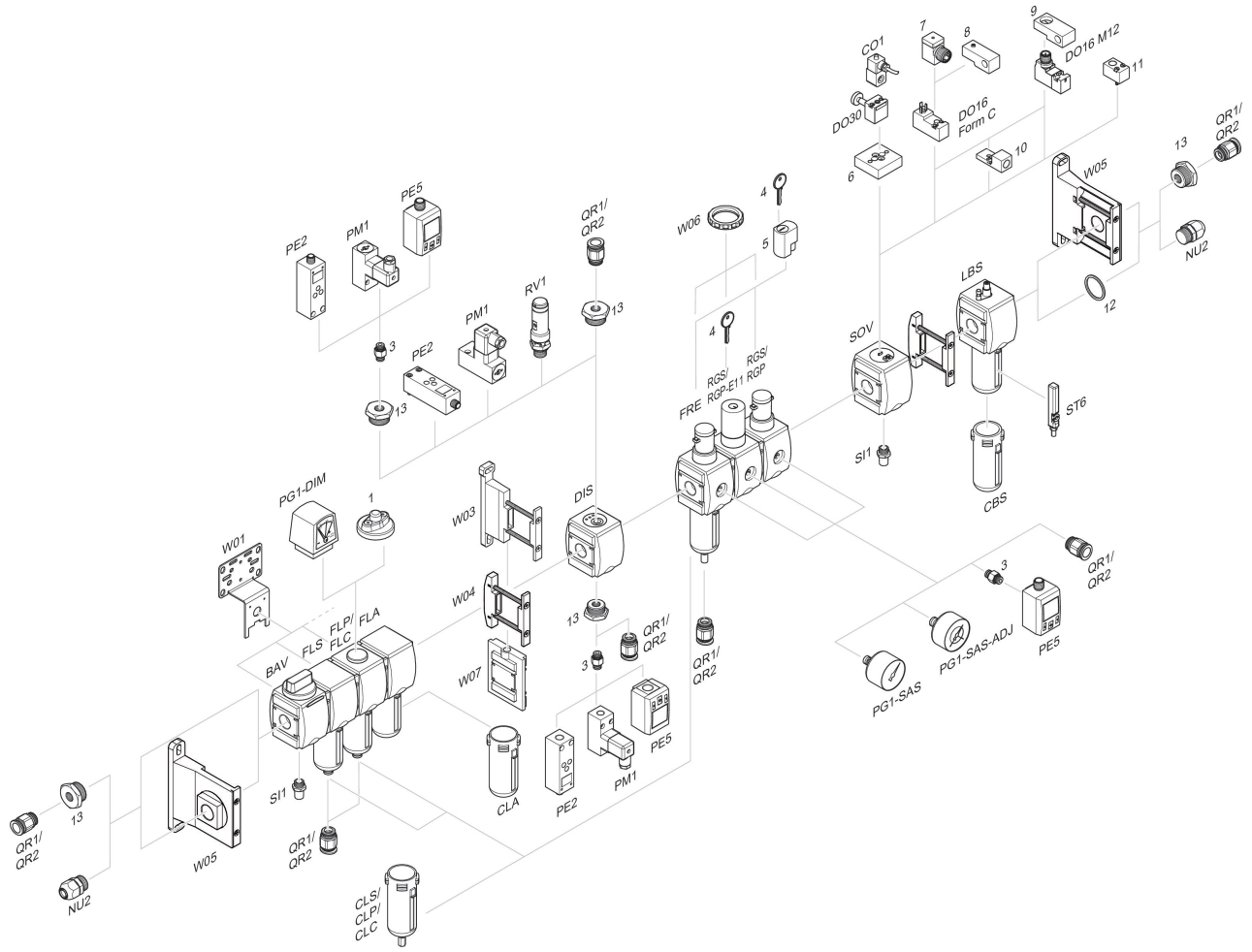

p1 = Working pressure p2 = Secondary pressure qn = Nominal flow

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## 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