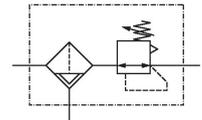


AVENTICS Series AS2 Air Preparation Units

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 |
| Parts | Filter pressure regulator |
| Reservoir | reservoir, polycarbonate, with PA protective guard |
| Port | G 1/4 |
| Nominal flow Qn | 2100 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 |

Filter pressure regulator, Series AS2-FRE

AS2

R412006177

2024-03-18

| | |
|--|-----------------------------------|
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Filter element | exchangeable |
| Filter reservoir volume | 28 cm ³ |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 6 : 7 : - |
| Medium | Compressed air Neutral gases |
| Weight | 0.347 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. | R412006177 |

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

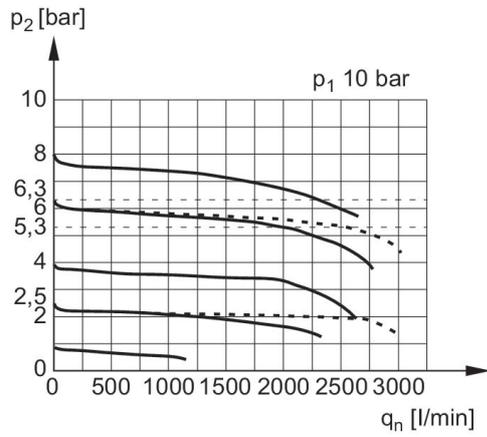
Filter pressure regulator, Series AS2-FRE

R412006177

AS2

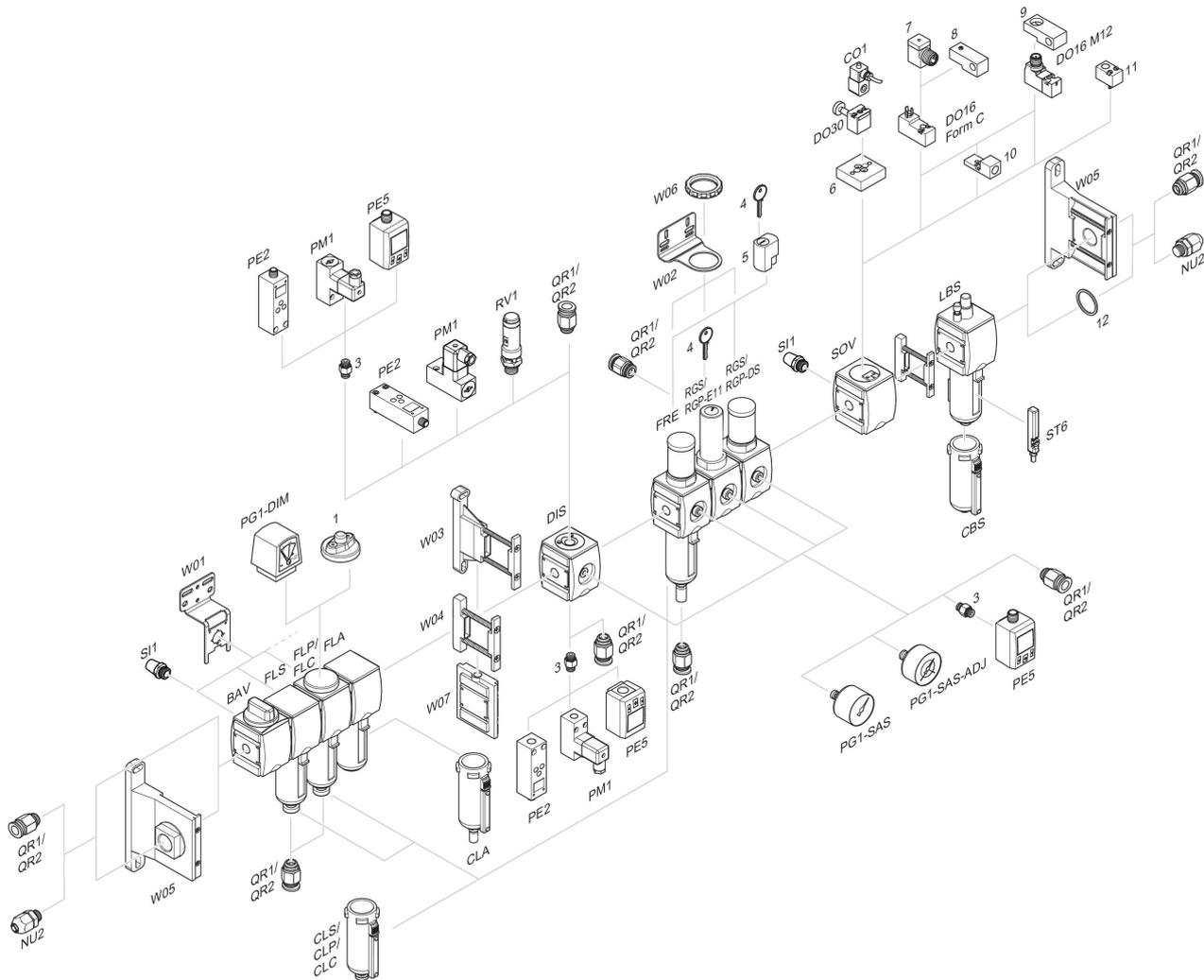
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Flow rate characteristic, $p_2 = 0,05 - 7$
bar



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