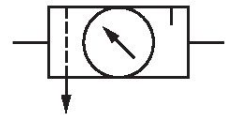


AVENTICS Series AS3 Air Preparation Units

The AVENTICS Series AS3 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 | Air preparation units |
| Components | Filter pressure regulator Lubricator |
| Reservoir | reservoir, polycarbonate, with PA protective guard |
| Port | G 1/2 |
| Nominal flow Qn | 3500 l/min |
| Filter porosity | 5 µm |
| Condensate drain | fully automatic, open without pressure |
| Pressure gauge | with 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 | 2-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 |
| Filter element | exchangeable |
| Filter reservoir volume | 49 cm ³ |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 6 : 7 : - |
| Lubricator reservoir volume | 80 cm ³ |
| Type of filling | Semi-automatic oil filling during operation Manual oil filling |
| Medium | Compressed air Neutral gases |
| Weight | 1.067 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. | R412007308 |

Technical information

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

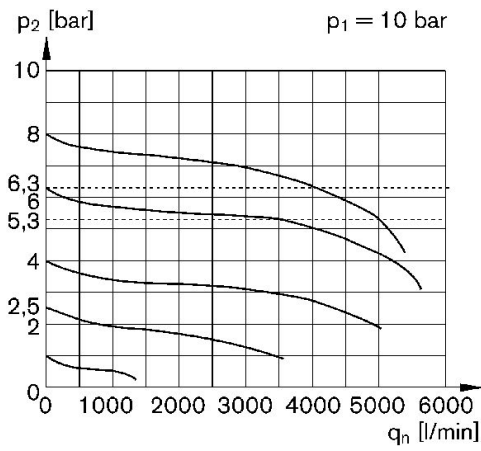
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

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.

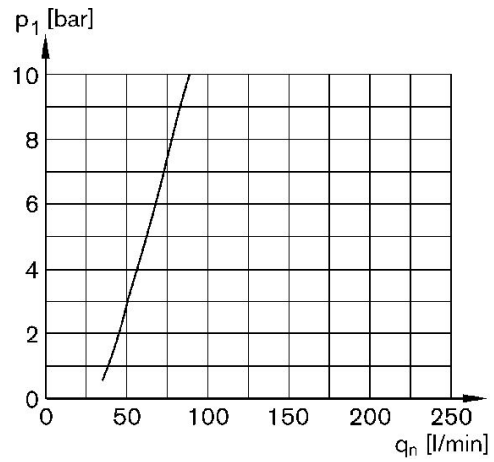
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Flow rate characteristic (p2: 0,5 - 8 bar)



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

Lubricator activation margin



p_1 = Working pressure
 q_n = Nominal flow

