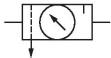
## Air preparation unit, 2-part, Series AS3-ACD

**R412007308** 2024-03-20

# **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, polycarbonate, with PA protective

guard

Port G 1/2

Nominal flow Qn 3500 I/min

Filter porosity 5 µm

Condensate drain fully automatic, open without pressure

Pressure gauge with pressure gauge

Min. working pressure

Max. working pressure

Min. ambient temperature

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

### Air preparation unit, 2-part, Series AS3-ACD

AS3

R412007308 2024-03-20

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<sup>3</sup> Max. achievable compressed air class acc. to 6 : 7 : -

ISO 8573-1:2010

Lubricator reservoir volume 80 cm<sup>3</sup>

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

Material reservoir

Material protective guard

Material filter insert

Polyamide

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".

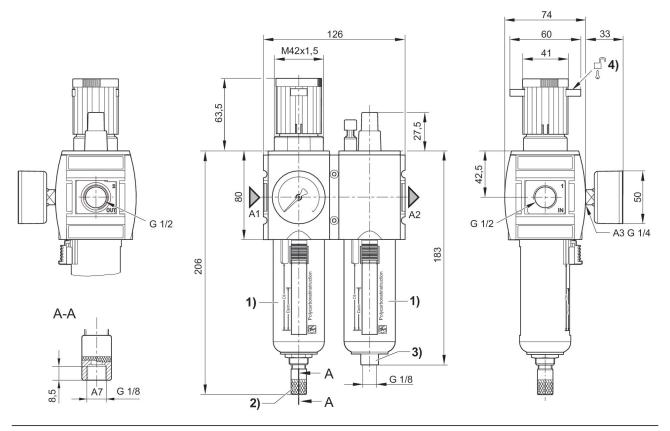
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

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

Nominal flow Qn with secondary pressure p2 = 6 bar at  $\Delta p$  = 1 bar

R412007308 2024-03-20

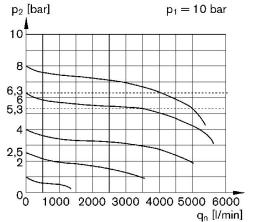
#### Dimensions in mm



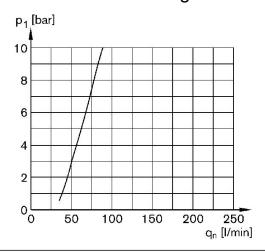
- A1 = input
- A2 = output
- A3 = pressure gauge connection
- A7 = condensate drain
- 1) Plastic reservoir and protective guard with window
- 2) Fully automatic condensate drain
- 3) Port for semi-automatic oil filling
- 4) Mounting option for padlocks, max. shackle Ø 8

R412007308 2024-03-20

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



### Lubricator activation margin

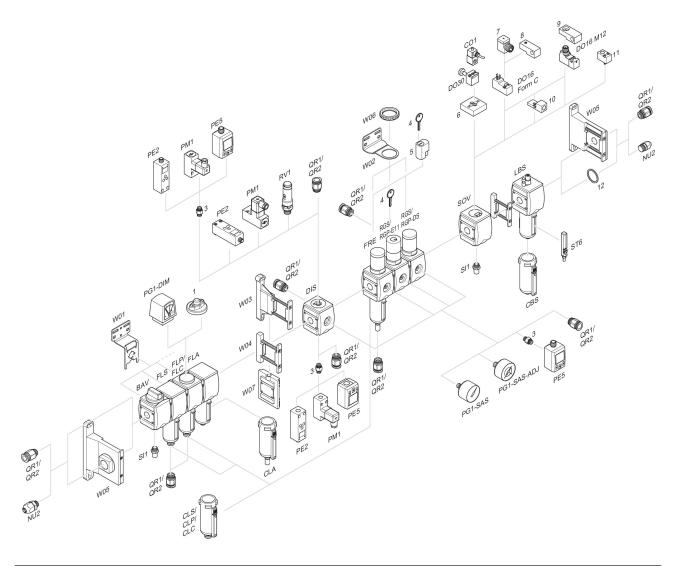


p1 = Working pressure qn = Nominal flow

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

R412007308 2024-03-20

### 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