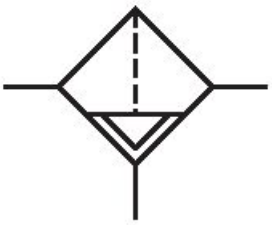
Filter, Series NL6-FLS

0821303821

General series information
Series NL6

- The AVENTICS Series NL maintenance units are suitable for all areas: as individual components or as assembled maintenance units, for centralized or decentralized compressed air preparation, in compact or powerful versions, for use in high or low temperatures. This line offers a complete, customizable compressed air preparation technology. It includes an option to combine every component in the Series to achieve the desired function, making it possible to adjust the components precisely to the application requirements.



Technical data

Industry
Industrial

Type
Standard filter

Parts
Filter

Port
G 1

Filter porosity
5 µm

Nominal flow Qn
7200 l/min

Condensate drain
fully automatic, open without pressure

Working pressure min.
1.5 bar

Working pressure max
16 bar

Min. ambient temperature
-10 °C

Max. ambient temperature
60 °C

Medium
Compressed air
Neutral gases

Certificates
suitable for ATEX

ATEX
suitable for ATEX

Max. achievable compressed air class acc. to ISO 8573-1:2010
6 : 7 : -

Filter reservoir volume
125 cm³

Filter element
exchangeable

Weight
1.99 kg

Mounting orientation
vertical

Type
Can be assembled into blocks

Reservoir
reservoir, polycarbonate, with metal protective guard

Material

Housing material
Die-cast aluminum

Material front plate
Acrylonitrile butadiene styrene

Seal material
Acrylonitrile butadiene rubber

Material reservoir
Polycarbonate

Material protective guard
Steel

Material filter insert
Polyethylene

Part No.
0821303821

Technical information

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

Suitable for use in Ex zones 1, 2, 21, 22.

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

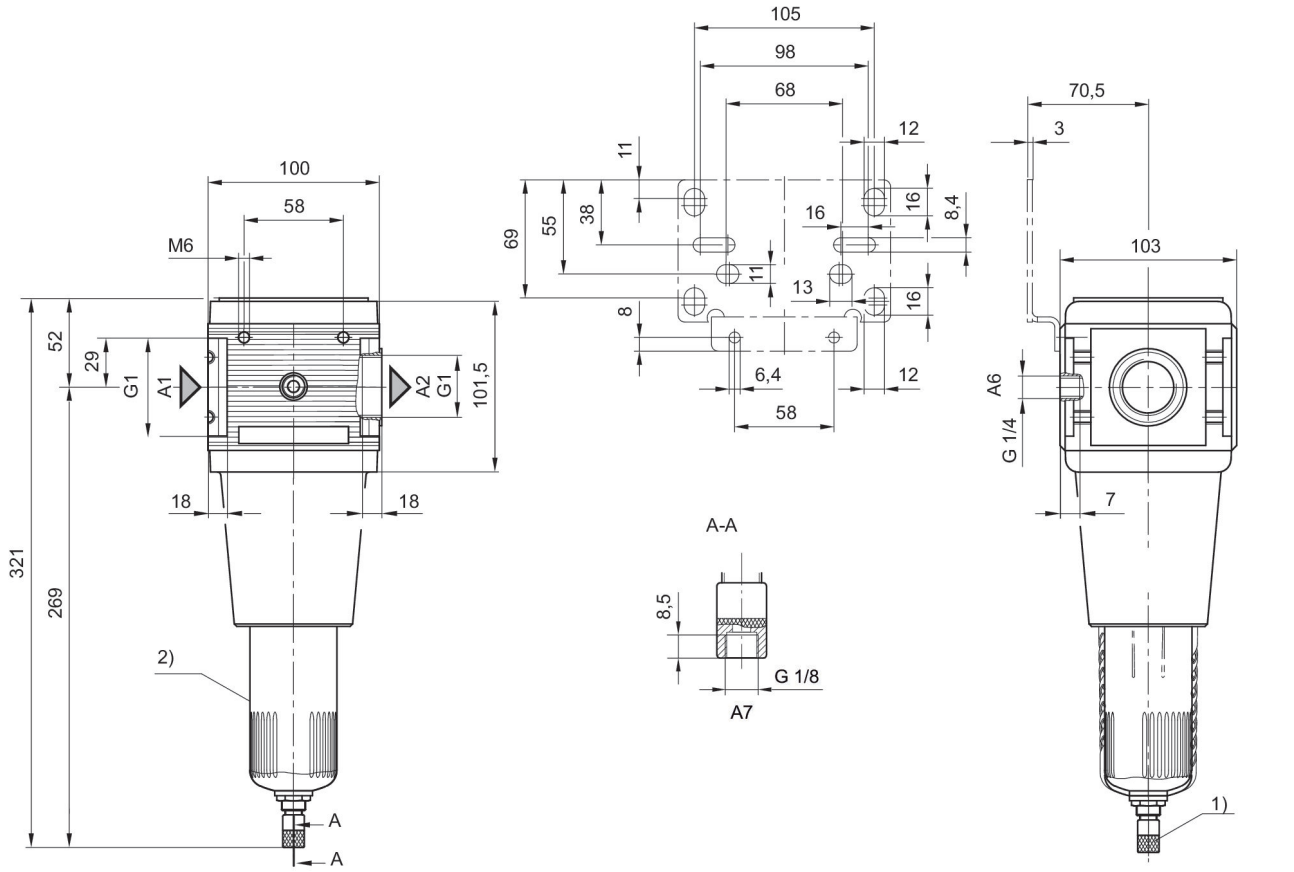
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Mounting with mounting bracket 1821336017.

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

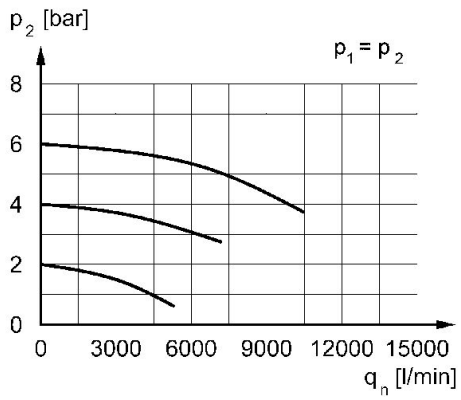
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Dimensions in mm



A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Plastic reservoir and protective guard with window

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



p2 = Secondary pressure
qn = Nominal flow