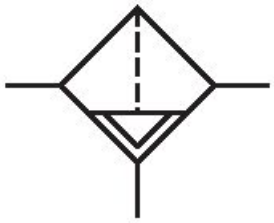
Microfilter, Series NL6-FLC

0821303814

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
Microfilter

Parts
Microfilter

Reservoir
Metal reservoir without window

Port
G 1

Filter porosity
0.01 µm

Nominal flow Qn
4200 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

Max. achievable compressed air class acc. to ISO 8573-1:2010
1 : - : 2

Filter reservoir volume
150 cm³

Filter element
exchangeable

Recommended pre-filtering
0.3 µm

Weight
1.97 kg

Mounting orientation
vertical

Type
Can be assembled into blocks

Material

Housing material
Die cast zinc

Material front plate
Acrylonitrile butadiene styrene

Seal material
Acrylonitrile butadiene rubber

Material reservoir
Die cast zinc

Material filter insert
Borosilicate glass fiber

Part No.
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Technical information

The pressure dew point must be at least 15 °C under 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.

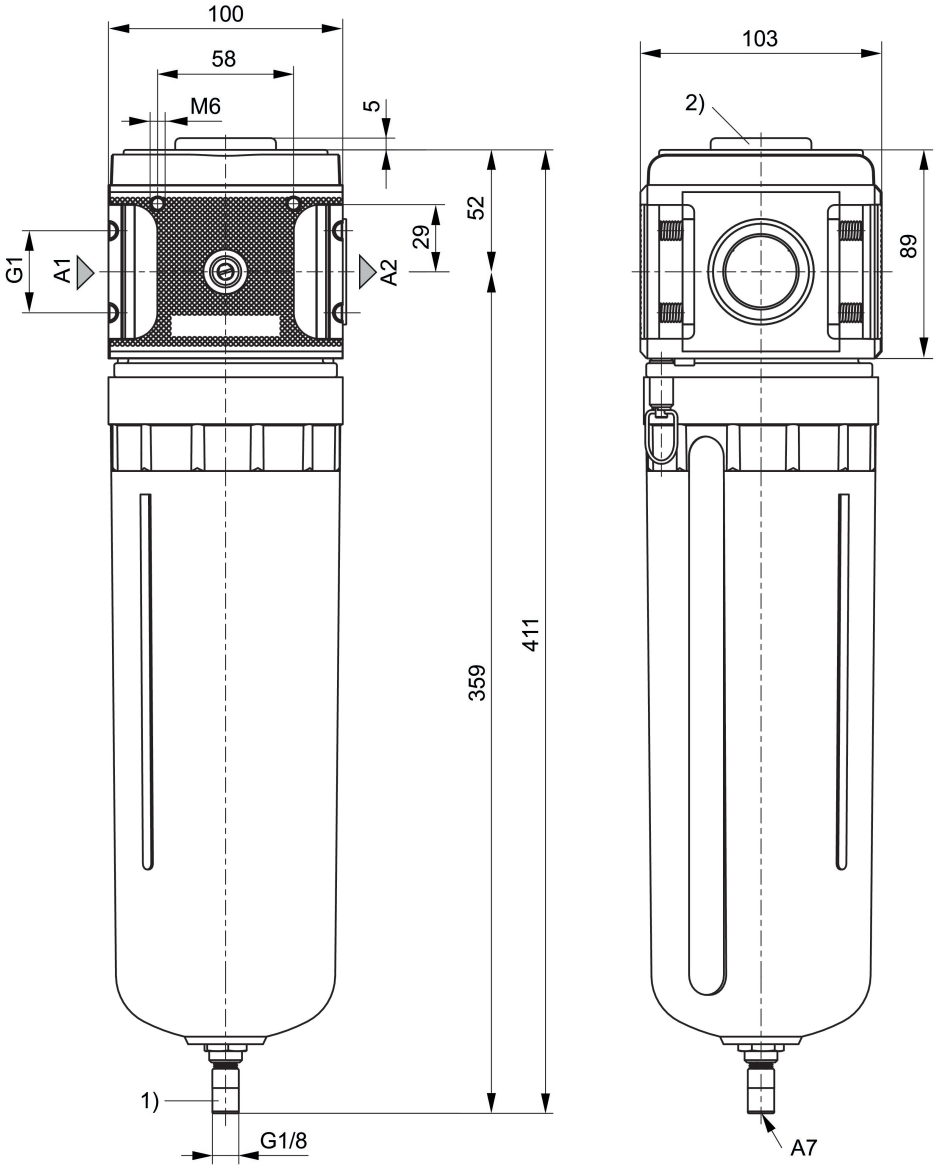
Reservoir: metal, with bayonet catch

If pre-filter/microfilter/active carbon filter are placed directly next to each other, a stop plate 1827009590 (G3/4) or 1827009591 (G1) has to be mounted in between with NL6 block assembly kit 1827009593.

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

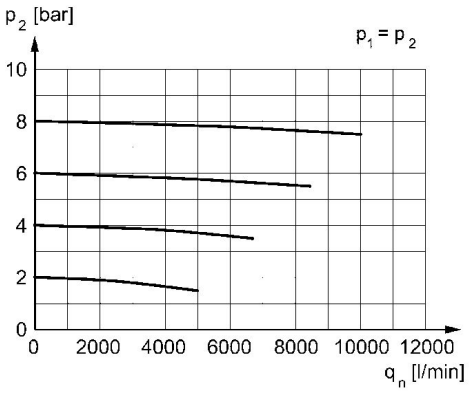
Differential pressure gauge can be retrofitted to monitor the filter

Dimensions in mm



A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Differential pressure gauge connection

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



p2 = Secondary pressure
qn = Nominal flow