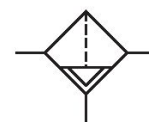


AVENTICS Series NL6 Air Preparation Units

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
Parts	Pre-filter
Reservoir	Metal reservoir without window
Port	G 1
Filter porosity	0.3 μm
Nominal flow Qn	1600 l/min
Condensate drain	fully automatic, open without pressure
Min. working pressure	1.5 bar
Max. working pressure	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	2 : - : 3
Filter reservoir volume	150 cm ³
Filter element	exchangeable
Recommended pre-filtering	5 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	Impregnated paper
Part No.	0821303816

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.

Mounting: mounting bracket 1821336017 / block assembly kit 1827009593

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 Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 0,1$ bar

Dust separation = 99.99%

Differential pressure gauge can be retrofitted to monitor the filter

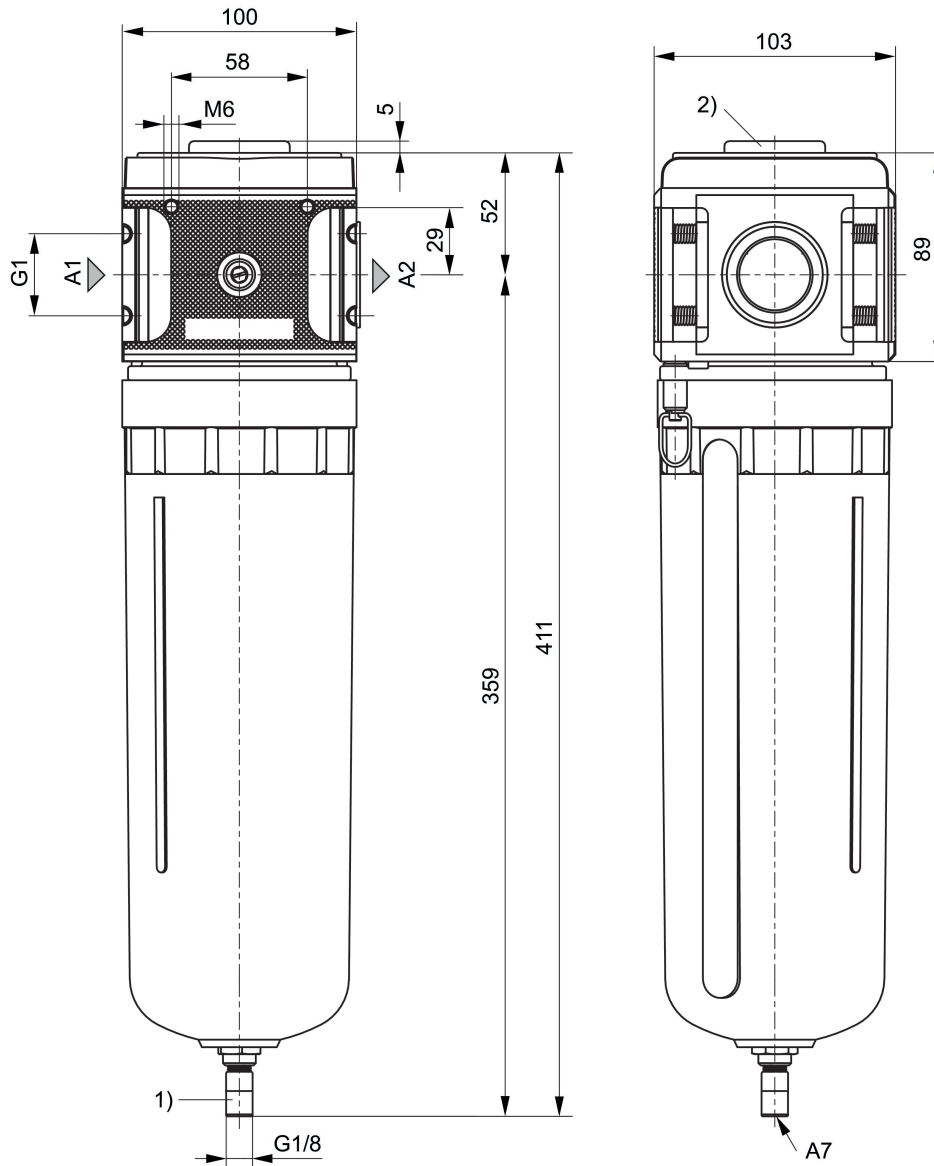
Pre-filter, Series NL6-FLP

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Series NL6

2024-04-24

Dimensions in mm



A1 = input

A2 = output

A7 = condensate drain

1) Fully automatic condensate drain

2) Differential pressure gauge connection

Pre-filter, Series NL6-FLP

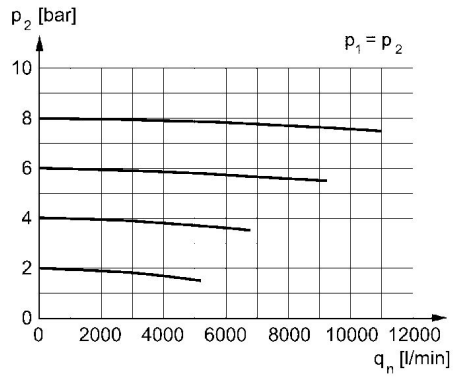
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Series NL6

2024-04-24

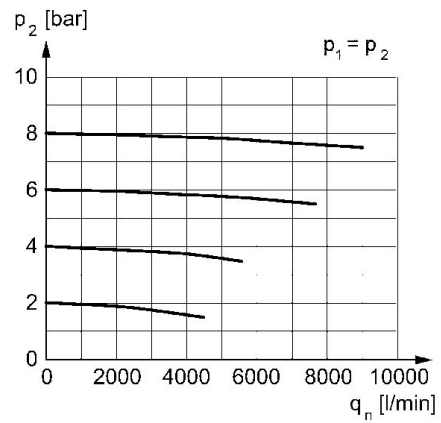
Flow rate characteristic, $p_2 = 0,05 - 7$ bar

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

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p_2 = secondary pressure q_n = nominal flow