Pre-filter, Series NL2-FLP

R412010785

2024-04-23

AVENTICS Series NL2 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 1/4
Filter porosity	0.3 µm
Nominal flow Qn	380 l/min
Condensate drain	fully automatic, open without pressure
Min. working pressure	2 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	10 cm³
Filter element	exchangeable
Recommended pre-filtering	5 µm
Weight	0.48 kg
Mounting orientation	vertical
Type	Can be assembled into blocks

Material

Housing material	Die cast zinc

Pre-filter, Series NL2-FLP

2024-04-23

R412010785

Material front plate	Acrylonitrile butadiene styrene
Seal material	Acrylonitrile butadiene rubber
Material reservoir	Die cast zinc
Material filter insert	Impregnated paper
Part No.	R412010785

Technical information

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

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.

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

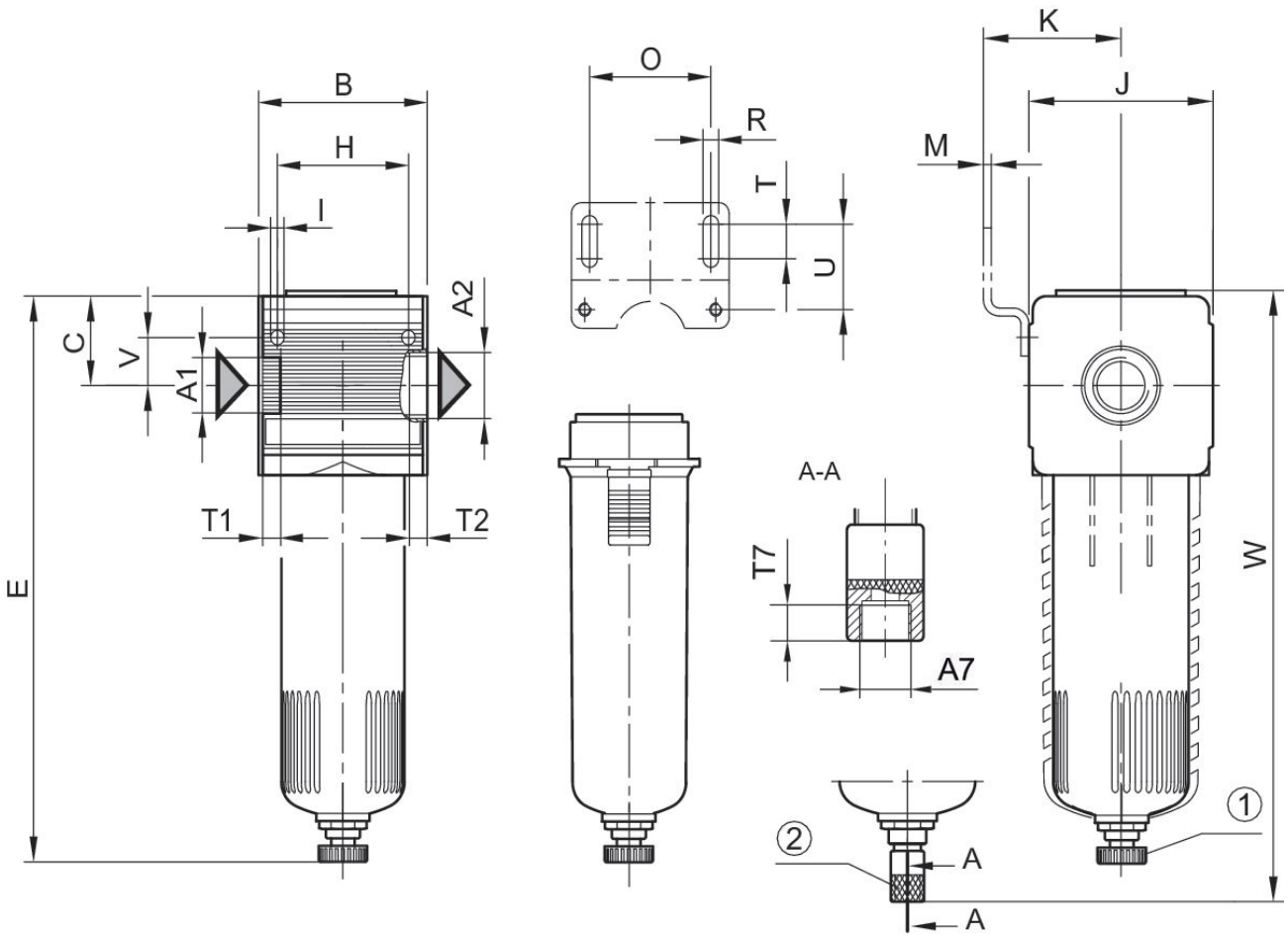
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

Pre-filter, Series NL2-FLP

2024-04-23

R412010785

Dimensions



A1 = input A2 = output
A7 = condensate drain
1) Semi-automatic condensate drain 2) fully automatic condensate drain

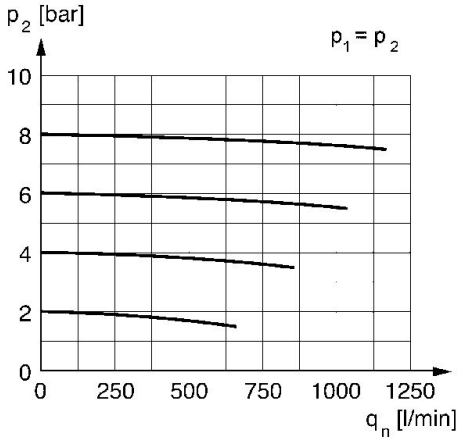
Dimensions in mm

Part No.	A1	A2	A7	B	C	E	H	I	J
0821303308	G 1/4	G 1/4	G 1/8	48	27.5	152	36	4.4	47
0821303309	G 1/4	G 1/4	G 1/8	48	27.5	–	36	4.4	47
R412010785	G 1/4	G 1/4	G 1/8	48	27.5	–	36	4.4	47

Part No.	K	M	O	R	T	T1	T2	T7	U
0821303308	43.5	3	38	5.4	8	9.5	9.5	8.5	27.5
0821303309	43.5	3	38	5.4	8	9.5	9.5	8.5	27.5
R412010785	43.5	3	38	5.4	8	9.5	9.5	8.5	27.5

Part No.	V	W
0821303308	12.3	–
0821303309	12.3	168
R412010785	12.3	168

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



p2 = secondary pressure qn = nominal flow