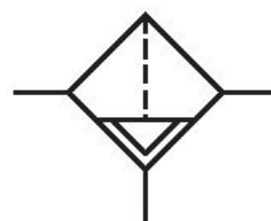


Microfilter, Series NL4-FLC

0821303419

General series information
AVENTICS Series NL4 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
Type	Microfilter
Parts	Microfilter
Reservoir	Metal reservoir without window
Port	G 1/4
Filter porosity	0.01 µm
Nominal flow Q _n	720 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	25 cm ³
Filter element	exchangeable
Recommended pre-filtering	0.3 µm
Weight	0.886 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 threaded bushing	Die cast zinc
Material reservoir	Die cast zinc
Material filter insert	Borosilicate glass fiber
Part No.	0821303419

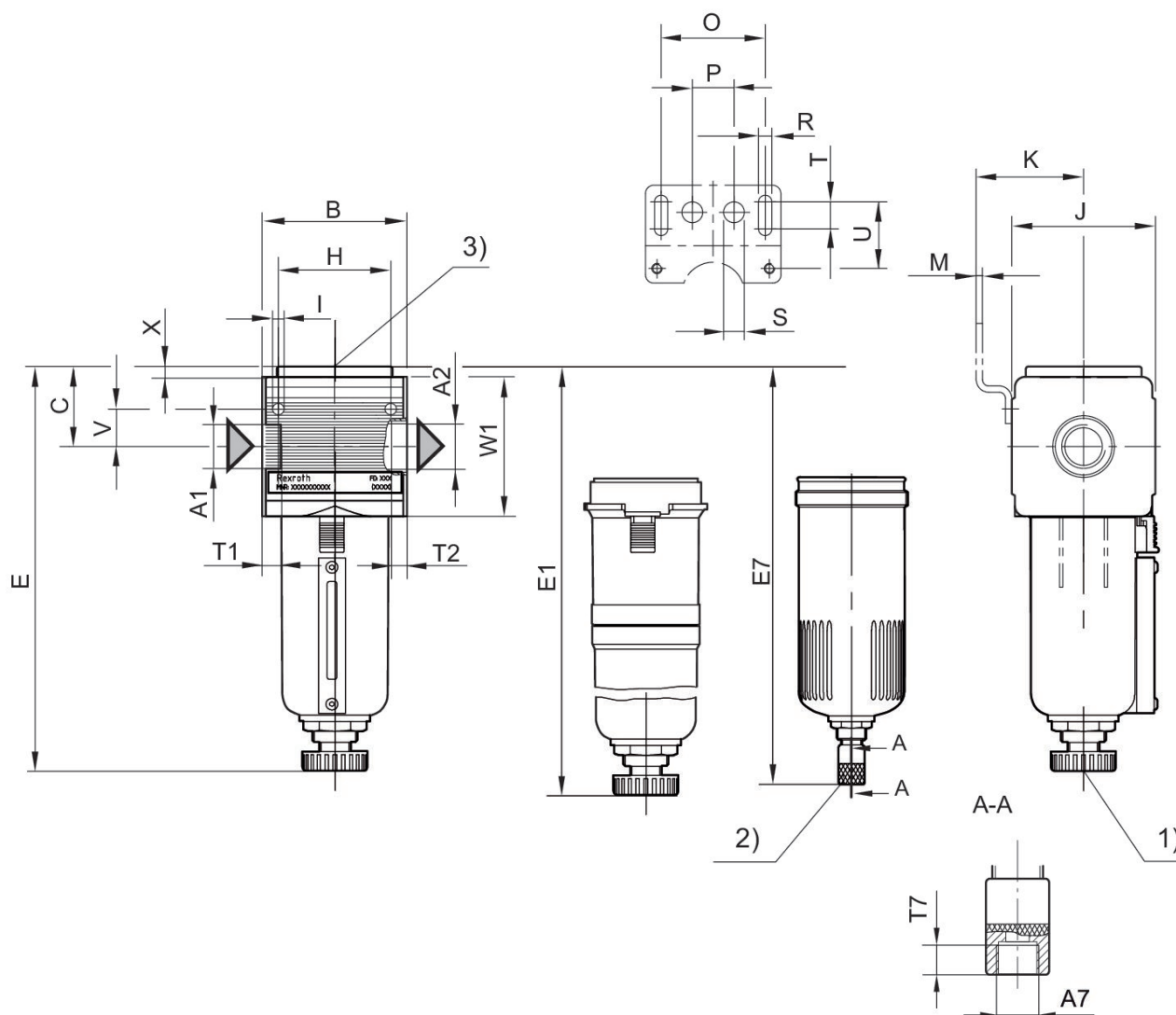
Technical information

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.

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



1) semi-automatic condensate drain 2) fully automatic condensate drain 3) differential pressure gauge connection

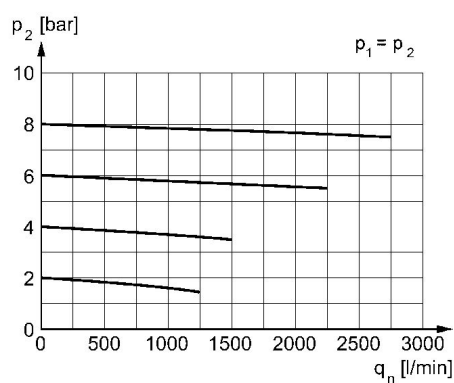
Part No.	A1	A2	A7	B	C	E	E1	E7	H
0821303418	G 1/4	G 1/4	G 1/8	69.6	38.5	202	–	–	54
0821303419	G 1/4	G 1/4	G 1/8	69.6	–	–	249	–	54
0821303514	G 1/2	G 1/2	G 1/8	69.6	39.5	186	–	–	54
0821303516	G 1/2	G 1/2	G 1/8	69.6	38.5	–	335	–	54
R412010794	G 1/2	G 1/2	G 1/8	69.6	38.5	–	186	–	54
R412010795	G 1/2	G 1/2	G 1/8	69.6	38.5	186	–	–	54
0821303571	G 1/2	G 1/2	G 1/8	69.6	38.5	–	–	201	54
R412010796	G 1/2	G 1/2	G 1/8	69.6	38.5	–	–	201	54

Part No.	A1	A2	A7	B	C	E	E1	E7	H
R412010797	G 1/2	G 1/2	G 1/8	69.6	38.5	–	–	201	54

Part No.	I	J	K	M	O	P	R	S	T
0821303418	5.5	69	54.5	3	50	20	6.4	10	13
0821303419	5.5	69	54.5	3	50	20	6.4	10	13
0821303514	5.5	69	54.5	3	50	20	6.4	10	13
0821303516	5.5	69	54.5	3	50	20	6.4	10	13
R412010794	5.5	69	54.5	3	50	20	6.4	10	13
R412010795	5.5	69	54.5	3	50	20	6.4	10	13
0821303571	5.5	69	54.5	3	50	20	6.4	10	13
R412010796	5.5	69	54.5	3	50	20	6.4	10	13
R412010797	5.5	69	54.5	3	50	20	6.4	10	13

Part No.	T1	T2	T7	U	V	W1	X
0821303418	13	13	8.5	33	18	67	5
0821303419	13	13	8.5	33	18	67	–
0821303514	13	13	8.5	33	18	67	–
0821303516	13	13	8.5	33	18	67	5
R412010794	13	13	8.5	33	18	67	–
R412010795	13	13	8.5	33	18	67	–
0821303571	13	13	8.5	33	18	67	–
R412010796	13	13	8.5	33	18	67	–
R412010797	13	13	8.5	33	18	67	–

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



p_2 = secondary pressure q_n = nominal flow