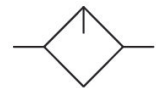


0821301803

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	Lubricator
Reservoir	reservoir, metal, with inspection glass
Compressed air connection	G 3/4
Nominal flow Qn	18000 l/min
Mounting orientation	vertical
Min. working pressure	0.5 bar
Max. working pressure	16 bar
Min. ambient temperature	-10 °C
Max. ambient temperature	60 °C
Medium	Compressed air Neutral gases
Type of filling	Manual oil filling
Lubricator reservoir volume	450 cm ³
inspection glass	with window
Oil dosing at 1000 l/min	1-2 drops
Function	Oil-mist lubricator
Function	Can be assembled into blocks
Weight	1.8 kg

Material

Housing material	Die-cast aluminum
Material front plate	Acrylonitrile butadiene styrene
Seal material	Acrylonitrile butadiene rubber
Material reservoir	Die cast zinc
Part No.	0821301803

Technical information

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

The entire preset drip quantity enters the pressure system.

Manual oil filling possible during operation.

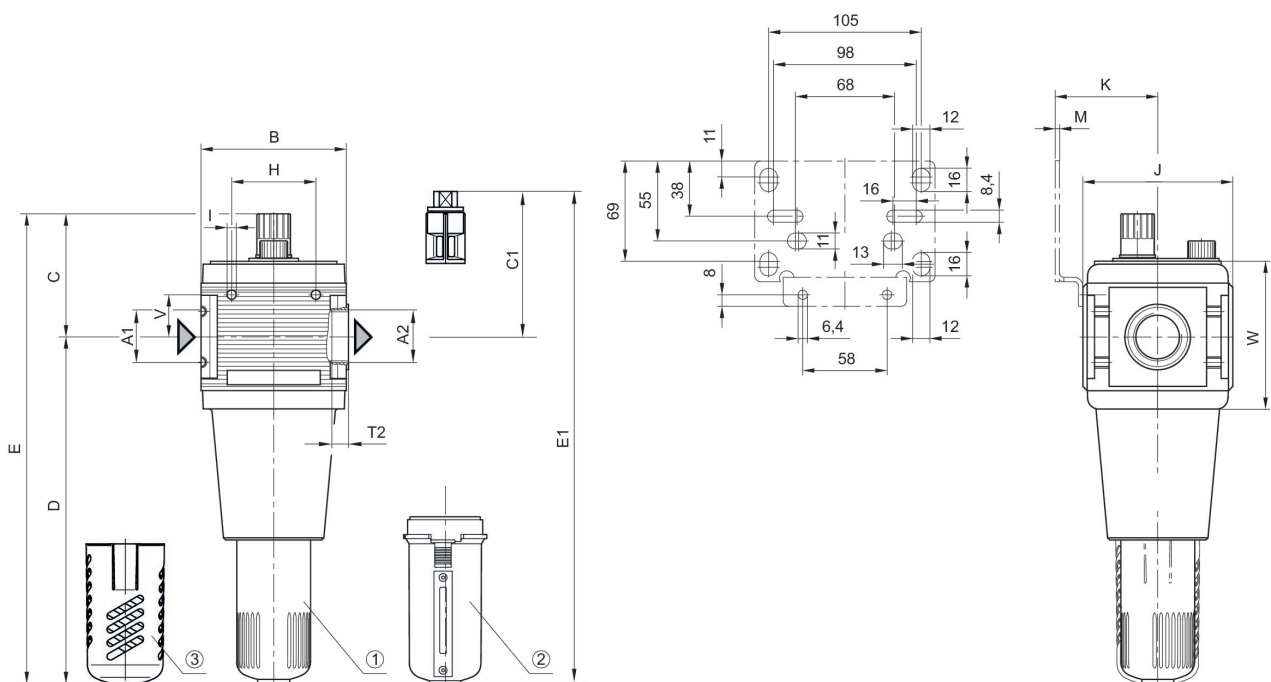
Nominal flow Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

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.

Metal protective guard can be retrofitted for all polycarbonate reservoirs

Dimensions



A1 = input A2 = output

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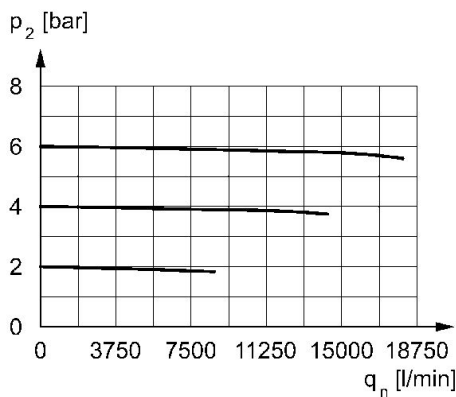
- 1) PC reservoir
- 2) Metal reservoir with inspection glass
- 3) metal protective guard

Dimensions in mm

Part No.	A1	A2	B	C	C1	D	E	E1	H
0821301801	G 3/4	G 3/4	100	85	-	238	321	-	58
0821301802	G 3/4	G 3/4	100	85	-	238	321	-	58
0821301803	G 3/4	G 3/4	100	85	100	238	321	336,5	58
0821301804	G 1	G 1	100	85	-	238	321	-	58
0821301805	G 1	G 1	100	85	-	238	321	-	58
0821301806	G 1	G 1	100	85	100	238	321	336,5	58

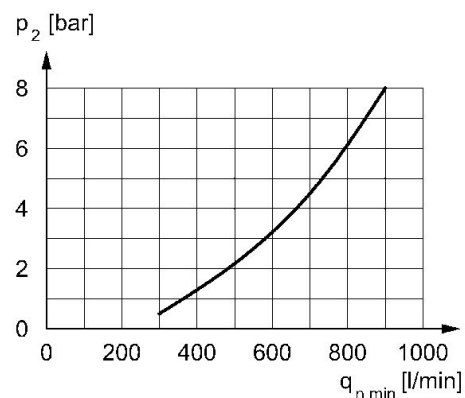
Part No.	I	J	K	M	T2	V	W
0821301801	M6	103	70.5	3	18	29	101.5
0821301802	M6	103	70.5	3	18	29	101.5
0821301803	M6	103	70.5	3	18	29	101.5
0821301804	M6	103	70.5	3	18	29	101.5
0821301805	M6	103	70.5	3	18	29	101.5
0821301806	M6	103	70.5	3	18	29	101.5

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



p_2 = Secondary pressure
 q_n = Nominal flow

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p_2 = Secondary pressure
 $q_{n \text{ min.}}$ = min. nominal flow