

## 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
Parts	Pre-filter
Reservoir	reservoir, polycarbonate, without protective guard
Port	G 1/2
Filter porosity	0.3 $\mu\text{m}$
Nominal flow Qn	1000 l/min
Condensate drain	semi-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	25 cm <sup>3</sup>
Filter element	exchangeable
Recommended pre-filtering	5 $\mu\text{m}$
Weight	0.798 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	Polycarbonate
Material filter insert	Impregnated paper
Part No.	0821303529

## 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.

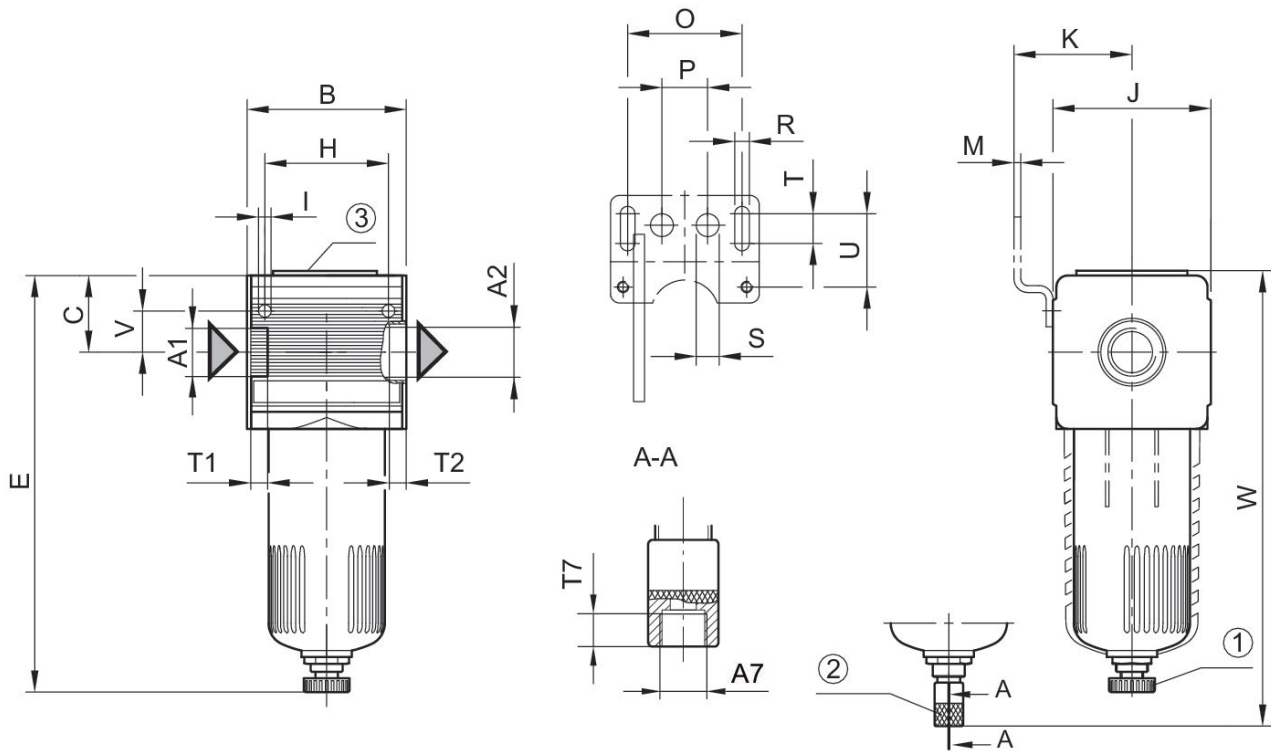
Nominal flow  $Q_n$  with secondary pressure  $p_2 = 6$  bar at  $\Delta p = 0,1$  bar

# Pre-filter, Series NL4-FLP

2024-04-24

0821303529

## Dimensions



A1 = input A2 = output

A7 = condensate drain

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

## Dimensions in mm

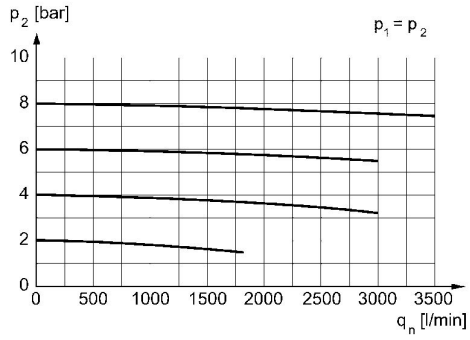
Part No.	A1	A2	A7	B	C	E	H	I	J
0821303302	G 1/4	G 1/4	G 1/8	69.6	38.5	–	54	5.5	69
0821303303	G 1/4	G 1/4	G 1/8	69.6	38.5	–	54	5.5	69
0821303515	G 1/2	G 1/2	G 1/8	69.6	38.5	–	54	5.5	69
0821303529	G 1/2	G 1/2	G 1/8	69.6	38.5	185	54	5.5	69

Part No.	K	M	O	P	R	S	T	T1	T2
0821303302	54.5	3	50	20	6.4	10	13	13	13
0821303303	54.5	3	50	20	6.4	10	13	13	13
0821303515	54.5	3	50	20	6.4	10	13	13	13
0821303529	54.5	3	50	20	6.4	10	13	13	13

Part No.	T7	U	V	W
0821303302	8.5	33	18	203
0821303303	8.5	33	18	232
0821303515	8.5	33	18	317
0821303529	8.5	33	18	–

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

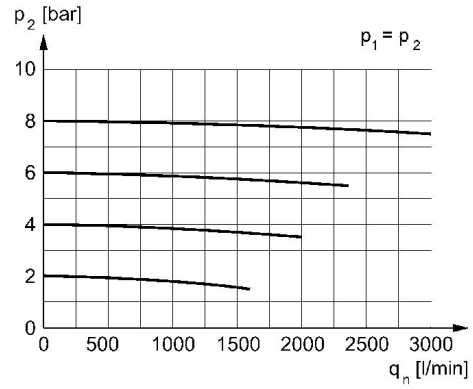
Fig. 1



$p_2$  = secondary pressure  $q_n$  = nominal flow

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

Fig. 2



$p_2$  = secondary pressure  $q_n$  = nominal flow