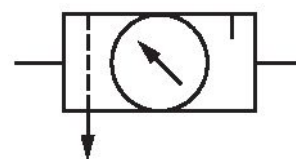


Air preparation unit, 2-part, Series NL1-ACD

0821300730

General series information
AVENTICS Series NL1 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
Parts

Reservoir
Port
Nominal flow Qn
Filter porosity
Condensate drain
Pressure gauge
Working pressure min.
Working pressure max
Min. ambient temperature
Max. ambient temperature
Regulation range min.
Regulation range max.

Industrial
Air preparation units
Filter pressure regulator
Lubricator
reservoir, polycarbonate, without protective guard
G 1/4
750 l/min
5 µm
semi-automatic, open without pressure
with pressure gauge
1.5 bar
16 bar
-10 °C
60 °C
0.5 bar
10 bar

Lock type	not lockable
Type	2-part
Type	Can be assembled into blocks
Pressure supply	single
Mounting orientation	vertical
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Filter element	exchangeable
Filter reservoir volume	16 cm ³
Max. achievable compressed air class acc. to ISO 8573-1:2010	6 : 7 : -
Lubricator reservoir volume	35 cm ³
Type of filling	Manual oil filling
Medium	Compressed air Neutral gases
Weight	0.564 kg

Material

Housing material	Die cast zinc
Seal material	Acrylonitrile butadiene rubber
Material front plate	Acrylonitrile butadiene styrene
Material threaded bushing	Die cast zinc
Material reservoir	Polycarbonate
Material protective guard	Polyamide
Material filter insert	Polyethylene
Part No.	0821300730

Technical information

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

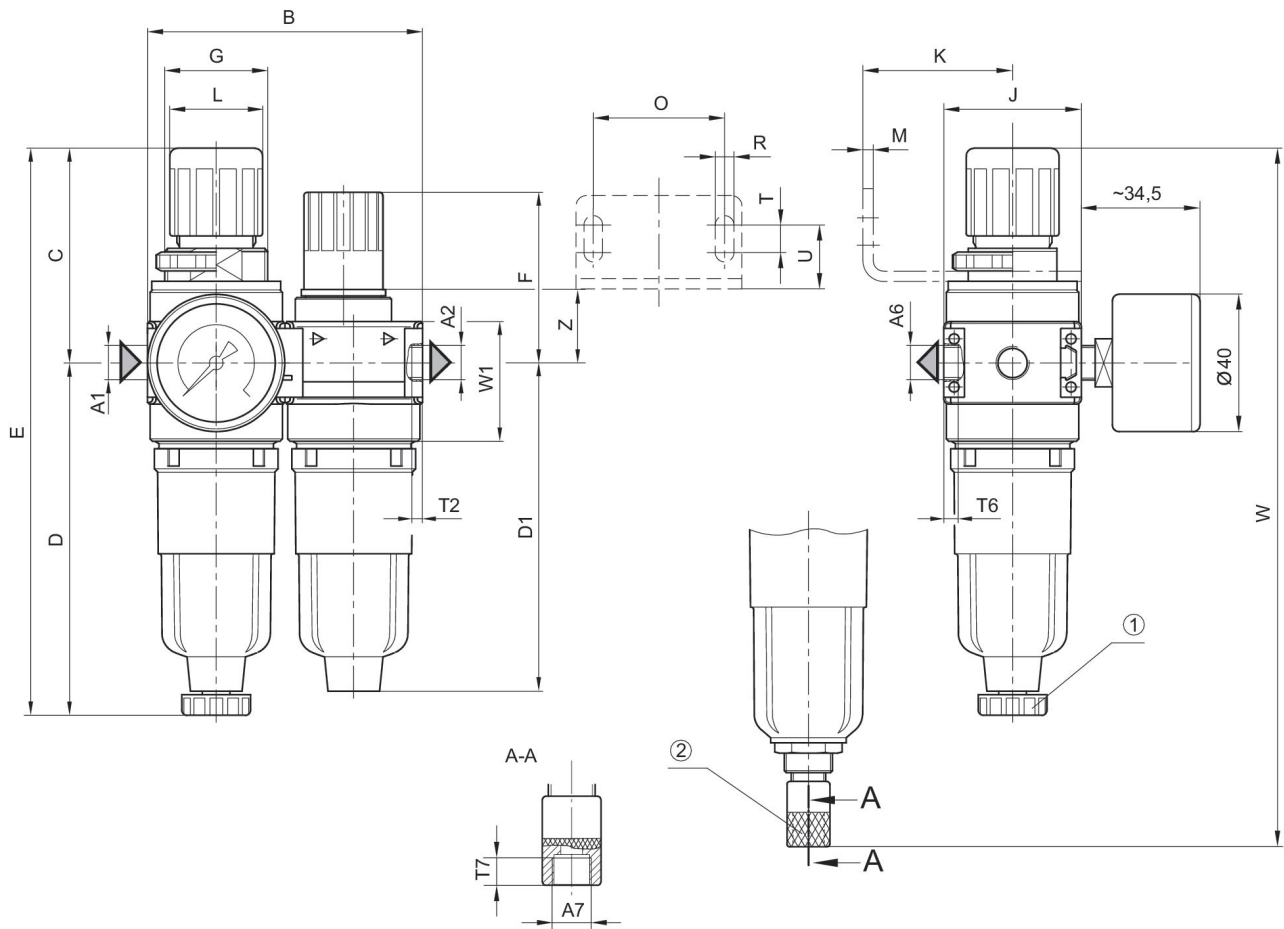
Nominal flow Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

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.

Also suitable for separation of fluid oil or water due to the design.

Metal protective guard can be retrofitted for all polycarbonate reservoirs

Dimensions



A1 = input A2 = output
A6 = ventilation port
A7 = condensate drain
1) Semi-automatic condensate drain 2) fully automatic condensate drain

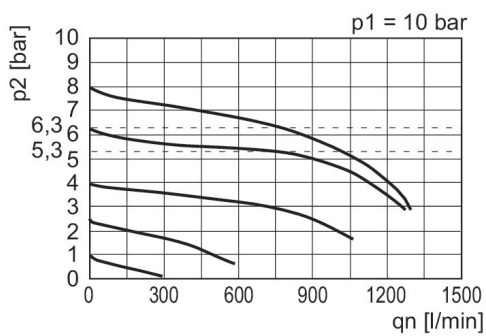
Dimensions in mm

Part No.	A1	A2	A6	A7	B	C	D	D1	E
0821300727	G 1/8	G 1/8	G 1/8	G 1/8	80	62.5	102.5	95.5	165
0821300728	G 1/8	G 1/8	G 1/8	G 1/8	80	62.5	102.5	95.5	165
0821300730	G 1/4	G 1/4	G 1/8	G 1/8	80	62.5	102.5	95.5	165
0821300731	G 1/4	G 1/4	G 1/8	G 1/8	80	62.5	102.5	95.5	165
0821300732	G 1/4	G 1/4	G 1/8	G 1/8	80	62.5	102.5	95.5	165

Part No.	F	G	J	K	L	M	O	R	T
0821300727	50	M30x1,5	40	43.5	27	3	38	5.4	8
0821300728	50	M30x1,5	40	43.5	27	3	38	5.4	8
0821300730	50	M30x1,5	40	43.5	27	3	38	5.4	8
0821300731	50	M30x1,5	40	43.5	27	3	38	5.4	8
0821300732	50	M30x1,5	40	43.5	27	3	38	5.4	8

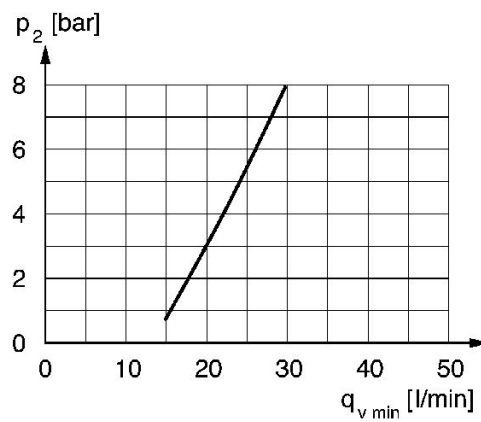
Part No.	T2	T6	T7	U	W	W1	Z
0821300727	8	6	8.5	18.5	203	35	24.5
0821300728	8	6	8.5	18.5	203	35	24.5
0821300730	8	6	8.5	18.5	203	35	24.5
0821300731	8	6	8.5	18.5	203	35	24.5
0821300732	8	6	8.5	18.5	203	35	24.5

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



p_1 = Working pressure 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 $q_{vmin.}$ = min. nominal flow