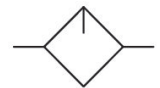


0821301805

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, polycarbonate, with metal protective guard |
| Compressed air connection | G 1 |
| 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 |
| Protective guard | with protective guard |
| Oil dosing at 1000 l/min | 1-2 drops |
| Function | Oil-mist lubricator |
| Function | Can be assembled into blocks |
| Weight | 1.6 kg |

Material

| | |
|---------------------------|---------------------------------|
| Housing material | Die-cast aluminum |
| Material front plate | Acrylonitrile butadiene styrene |
| Seal material | Acrylonitrile butadiene rubber |
| Material reservoir | Polycarbonate |
| Material protective guard | Steel, chrome-plated |
| Part No. | 0821301805 |

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

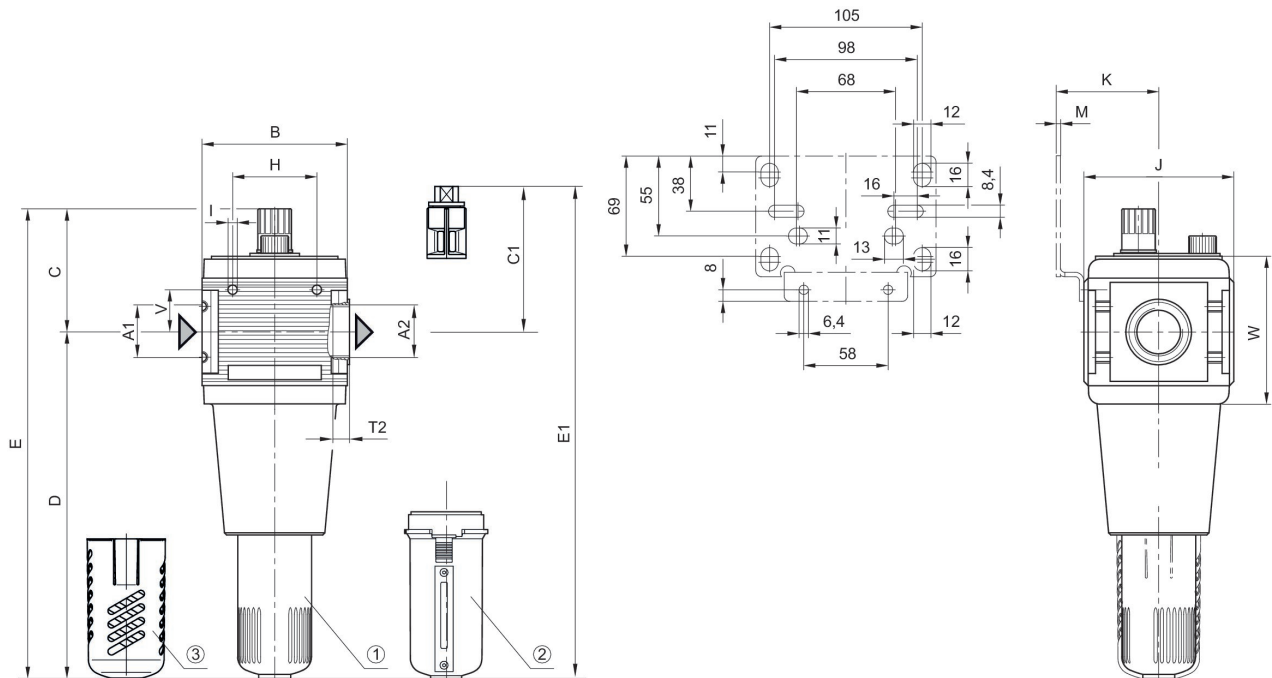
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

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

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Dimensions



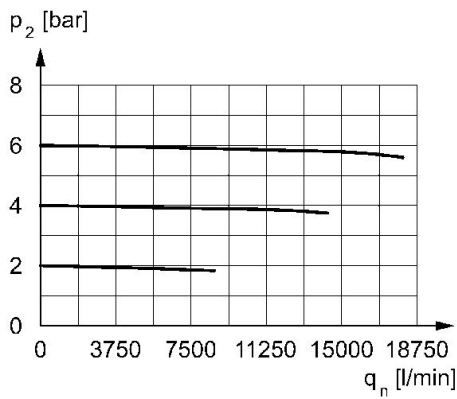
- A1 = input A2 = output
 1) PC reservoir
 2) Metal reservoir with inspection glass
 3) metal protective guard

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 |

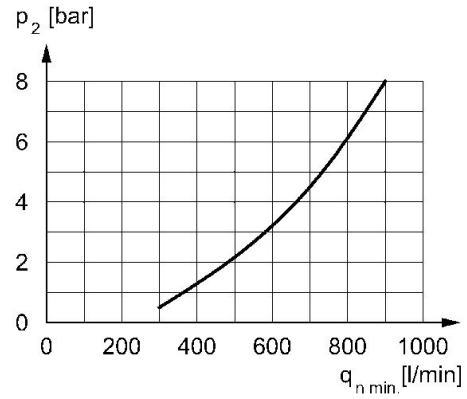
| Part No. | I | J | K | M | T2 | V | W |
|------------|----|-----|------|---|----|----|-------|
| 0821301801 | M6 | 103 | 70.5 | 3 | 18 | 29 | 101.5 |
| 0821301802 | M6 | 103 | 70.5 | 3 | 18 | 29 | 101.5 |
| 0821301803 | M6 | 103 | 70.5 | 3 | 18 | 29 | 101.5 |
| 0821301804 | M6 | 103 | 70.5 | 3 | 18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