# Filter, Series NL4-FLS

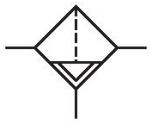
**0821303545**



## 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 | Filter |
| Reservoir | reservoir, metal, with inspection glass |
| Port | G 3/4 |
| Filter porosity | 5 µm |
| Nominal flow Qn | 4000 l/min |
| Condensate drain | fully 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<br>Neutral gases |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 6 : 7 : - |
| Filter reservoir volume | 50 cm³ |
| Filter element | exchangeable |
| Weight | 1.29 kg |
| inspection glass | with window |
| 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 | Die cast zinc |
| Material filter insert | Cellpor |
| Part No. | 0821303545 |

## Technical information

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

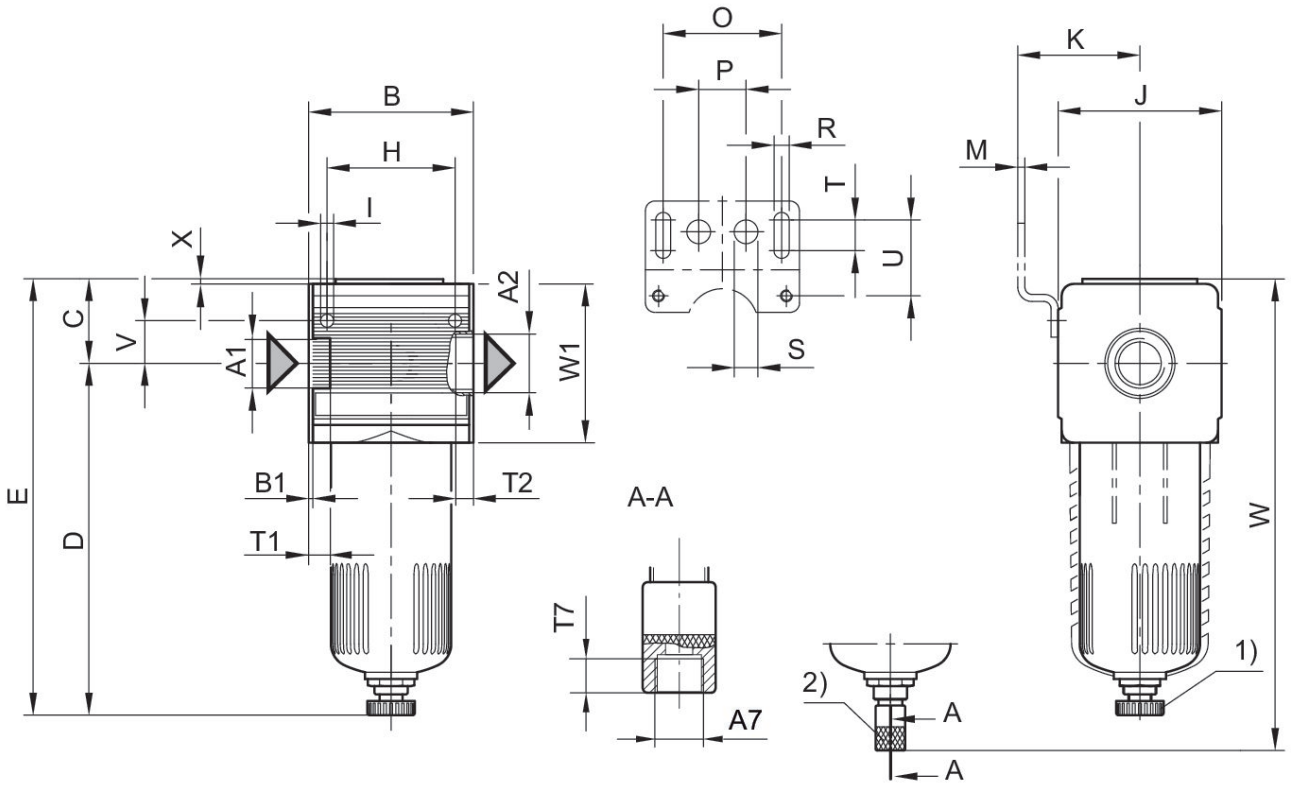
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

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.

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

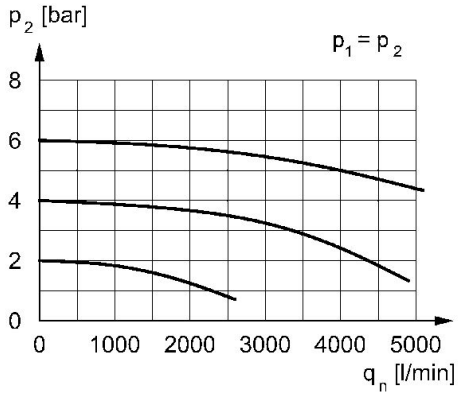
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

## Dimensions




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

## Flow rate characteristic, p2 = 0,05 - 7 bar




p2 = secondary pressure qn = nominal flow

## Dimensions in mm

| Part No. | A1 | A2 | A7 | B | B1 | C | D | E | H | I |
|---|---|---|---|---|---|---|---|---|---|---|
| 0821303500 | G 1/2 | G 1/2 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303501 | G 1/2 | G 1/2 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303502 | G 1/2 | G 1/2 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303503 | G 1/2 | G 1/2 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303504 | G 1/2 | G 1/2 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303505 | G 1/2 | G 1/2 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303540 | G 3/4 | G 3/4 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303541 | G 3/4 | G 3/4 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303542 | G 3/4 | G 3/4 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303543 | G 3/4 | G 3/4 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| 0821303544 | G 3/4 | G 3/4 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |
| **0821303545** | G 3/4 | G 3/4 | G 1/8 | 69.6 | 1.8 | 36.5 | 146.5 | 183 | 54 | 5.5 |

| Part No. | J | K | M | O | P | R | S | T | T1 | T2 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0821303500 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303501 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303502 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303503 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303504 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303505 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303540 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303541 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303542 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303543 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| 0821303544 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |
| **0821303545** | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 |

| Part No. | T7 | U | V | W | W1 | X |
|---|---|---|---|---|---|---|
| 0821303500 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303501 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303502 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303503 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303504 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303505 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303540 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303541 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303542 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303543 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| 0821303544 | 8.5 | 33 | 18 | 199 | 67 | 3 |
| **0821303545** | 8.5 | 33 | 18 | 199 | 67 | 3 |