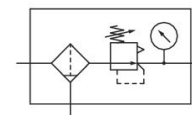


## AVENTICS Series NL6 Air Preparation Units

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.

- Easy-to-assemble
- Manual, semi-automatic or fully-automatic condensate drains available
- Transparent reservoirs available
- Bayonet catches ensure easy maintenance



## Technical data

Industry

Note

Parts

Reservoir

Port

Nominal flow Qn

Filter porosity

Condensate drain

Pressure gauge

Min. working pressure

Max. working pressure

Min. ambient temperature

Max. ambient temperature

Min. regulation range

Max. regulation range

Lock type

Type

Type

Industrial

Archive product: Do not use in new constructions!

Filter pressure regulator

reservoir, polycarbonate, with metal protective guard

G 1

15000 l/min

40 µm

fully automatic, open without pressure

with pressure gauge

1.5 bar

16 bar

-10 °C

60 °C

0.5 bar

10 bar

not lockable

1-part

Can be assembled into blocks

|                                                              |                                   |
|--------------------------------------------------------------|-----------------------------------|
| Pressure supply                                              | single                            |
| Mounting orientation                                         | vertical                          |
| Regulator type                                               | Diaphragm-type pressure regulator |
| Regulator function                                           | with relieving air exhaust        |
| Max. Internal air consumption                                | 0.5 l/min                         |
| Filter element                                               | exchangeable                      |
| Filter reservoir volume                                      | 125 cm <sup>3</sup>               |
| Max. achievable compressed air class acc. to ISO 8573-1:2010 | 7 : 7 : -                         |
| Medium                                                       | Compressed air<br>Neutral gases   |
| Weight                                                       | 2.28 kg                           |

## Material

|                           |                                 |
|---------------------------|---------------------------------|
| Housing material          | Die-cast aluminum               |
| Seal material             | Acrylonitrile butadiene rubber  |
| Material front plate      | Acrylonitrile butadiene styrene |
| Material reservoir        | Polycarbonate                   |
| Material protective guard | Steel, chrome-plated            |
| Material filter insert    | Polyethylene                    |
| Part No.                  | 0821300860                      |

## Technical information

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

Nominal flow Q<sub>n</sub> with secondary pressure p<sub>2</sub> = 6 bar at Δp = 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.

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

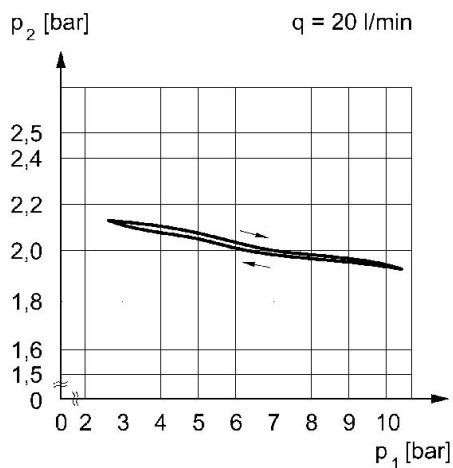
The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

Mounting: mounting bracket 1821336017 / block assembly kit 1827009593

Metal protective guard can be retrofitted for all polycarbonate reservoirs

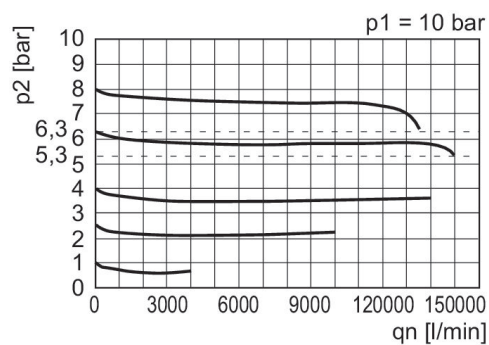
Pressure gauge enclosed separately

## Pressure characteristics curve



$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow  
 $q$  = flow rate

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



$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow

0821300860

2026-03-27

1) Semi-automatic condensate drain 2) fully automatic condensate drain

## Dimensions in mm

| Part No.          | A1    | A2    | A6    | A7    | B   | C   | D   | E   | H  | I  |
|-------------------|-------|-------|-------|-------|-----|-----|-----|-----|----|----|
| 0821300850        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300851        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300852        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300853        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300854        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300855        | G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300856        | G 1   | G 1   | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300857        | G 1   | G 1   | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300858        | G 1   | G 1   | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300859        | G 1   | G 1   | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| <b>0821300860</b> | G 1   | G 1   | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |
| 0821300861        | G 1   | G 1   | G 1/4 | G 1/8 | 100 | 132 | 253 | 385 | 58 | M6 |

| Part No.          | J   | K    | L  | M | T2 | T6 | T7  | V  | W   | W1    |
|-------------------|-----|------|----|---|----|----|-----|----|-----|-------|
| 0821300850        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300851        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300852        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300853        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300854        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300855        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300856        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300857        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300858        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300859        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| <b>0821300860</b> | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |
| 0821300861        | 103 | 70.5 | 28 | 3 | 18 | 7  | 8.5 | 29 | 403 | 101.5 |