

Filter, Series NL6-FLS

- G 3/4 G 1

- filter porosity 40 µm

- suitable for ATEX



| | |
|-------------------------------|---|
| Type | Standard filter, Can be assembled into blocks |
| Parts | Filter |
| Mounting orientation | vertical |
| Certificates | suitable for ATEX |
| Working pressure min./max. | See table below |
| Ambient temperature min./max. | -10 ... 60 °C |
| Medium temperature min./max. | -10 ... 60 °C |
| Medium | Compressed air Neutral gases |
| Filter reservoir volume | 125 cm ³ |
| Filter element | exchangeable |
| filter porosity | 40 µm |
| Condensate drain | See table below |
| Weight | See table below |

Technical data

| Part No. | Port | Flow Qn | Working pressure min./max. | Condensate drain |
|------------|-------|------------|----------------------------|--|
| 0821303801 | G 3/4 | 7200 l/min | 1,5 ... 16 bar | semi-automatic, open without pressure |
| 0821303802 | G 3/4 | 7200 l/min | 1,5 ... 16 bar | semi-automatic, open without pressure |
| 0821303803 | G 3/4 | 7200 l/min | 1,5 ... 20 bar | semi-automatic, open without pressure |
| 0821303804 | G 3/4 | 7200 l/min | 1,5 ... 16 bar | fully automatic, open without pressure |
| 0821303805 | G 3/4 | 7200 l/min | 1,5 ... 16 bar | fully automatic, open without pressure |
| 0821303806 | G 3/4 | 7200 l/min | 1,5 ... 20 bar | fully automatic, open without pressure |
| 0821303807 | G 1 | 7200 l/min | 1,5 ... 16 bar | semi-automatic, open without pressure |
| 0821303808 | G 1 | 7200 l/min | 1,5 ... 16 bar | semi-automatic, open without pressure |
| 0821303809 | G 1 | 7200 l/min | 1,5 ... 20 bar | semi-automatic, open without pressure |
| 0821303810 | G 1 | 7200 l/min | 1,5 ... 16 bar | fully automatic, open without pressure |
| 0821303811 | G 1 | 7200 l/min | 1,5 ... 16 bar | fully automatic, open without pressure |
| 0821303812 | G 1 | 7200 l/min | 1,5 ... 20 bar | fully automatic, open without pressure |

| Part No. | Version | Weight |
|------------|---|---------|
| 0821303801 | reservoir, polycarbonate, without protective guard | 1,65 kg |
| 0821303802 | reservoir, polycarbonate, with metal protective guard | 1,75 kg |
| 0821303803 | reservoir, metal, with inspection glass | 1,95 kg |
| 0821303804 | reservoir, polycarbonate, without protective guard | 1,68 kg |
| 0821303805 | reservoir, polycarbonate, with metal protective guard | 1,78 kg |
| 0821303806 | reservoir, metal, with inspection glass | 1,98 kg |
| 0821303807 | reservoir, polycarbonate, without protective guard | 1,65 kg |

| Part No. | Version | Weight |
|------------|---|---------|
| 0821303808 | reservoir, polycarbonate, with metal protective guard | 1,75 kg |
| 0821303809 | reservoir, metal, with inspection glass | 1,95 kg |
| 0821303810 | reservoir, polycarbonate, without protective guard | 1,68 kg |
| 0821303811 | reservoir, polycarbonate, with metal protective guard | 1,78 kg |
| 0821303812 | reservoir, metal, with inspection glass | 1,98 kg |

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

Suitable for use in Ex zones 1, 2, 21, 22., Metal protective guard can be retrofitted for all polycarbonate reservoirs

Technical information

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

Suitable for use in Ex zones 1, 2, 21, 22.

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.

Mounting with mounting bracket 1821336017.

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

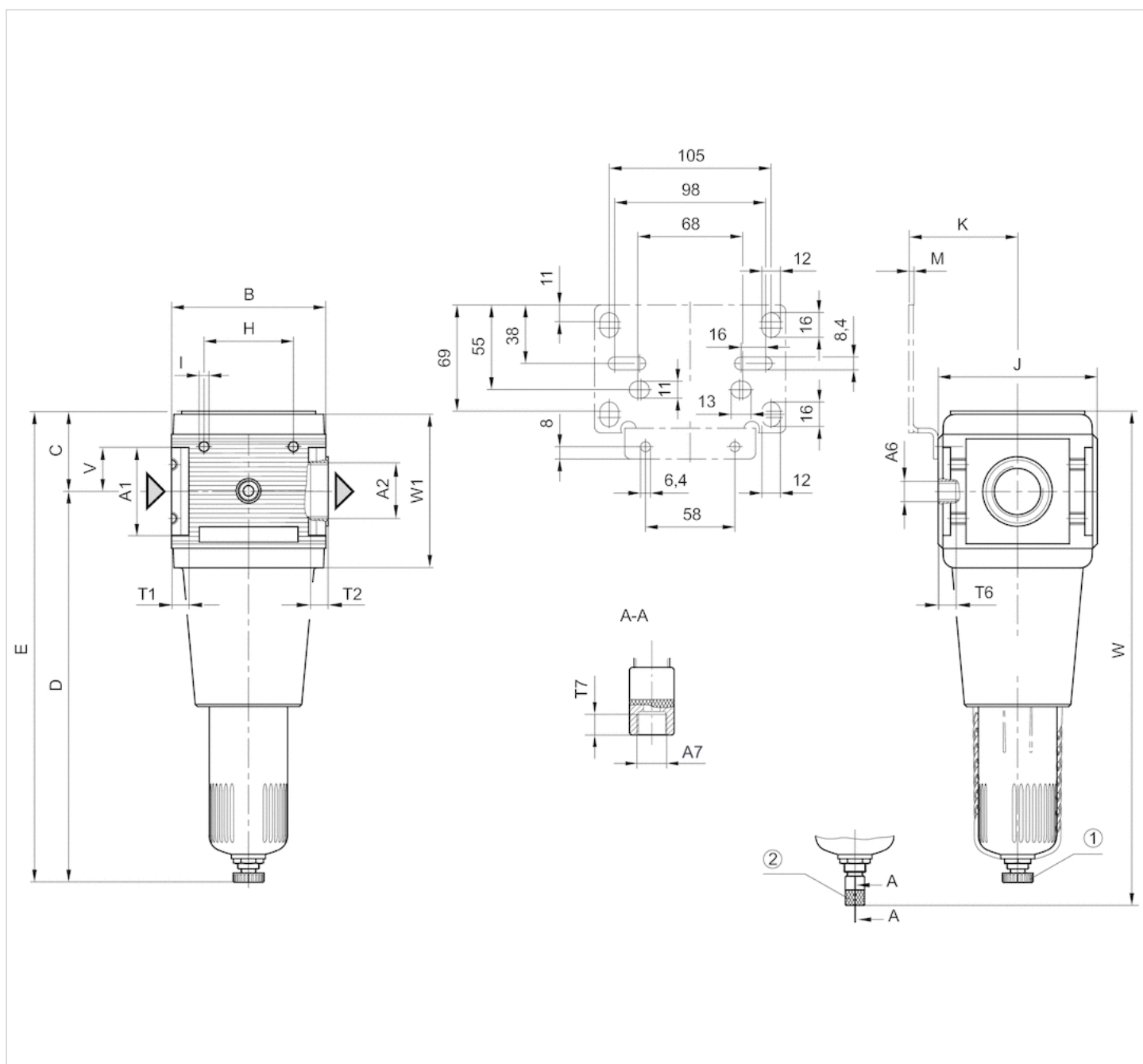
Max. achievable compressed air class acc. to ISO 8573-1:2010 7 : 7 : -

Technical information

| Material | |
|------------------|---------------------------------|
| Housing | Die-cast aluminum |
| Front plate | Acrylonitrile butadiene styrene |
| Seals | Acrylonitrile butadiene rubber |
| Reservoir | Polycarbonate Die cast zinc |
| Protective guard | Steel |
| Filter insert | Polyethylene |

Dimensions

Dimensions



A1 = input

A2 = output

A6 = output

A7 = condensate drain

1) Semi-automatic condensate drain

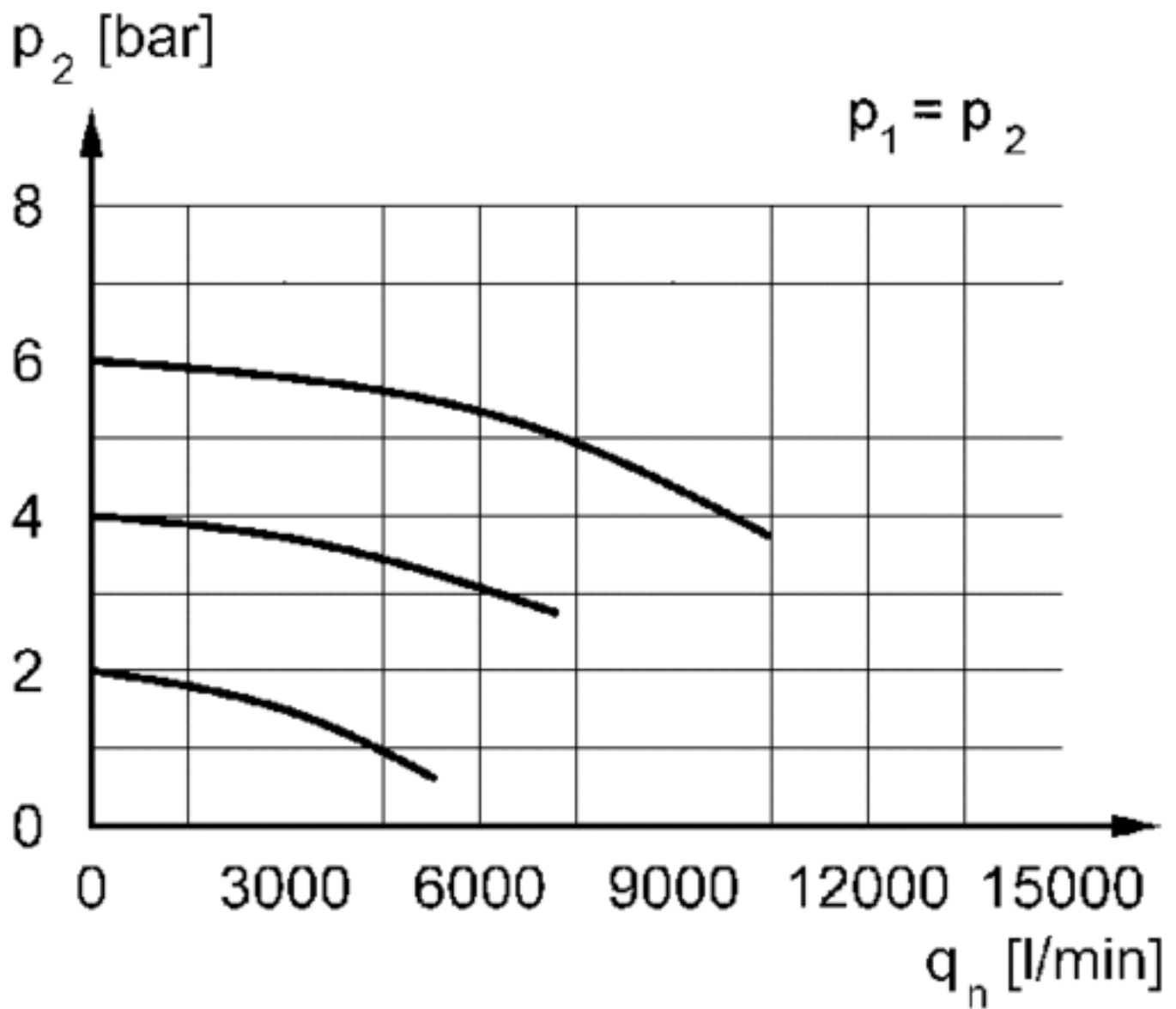
2) fully automatic condensate drain

Dimensions in mm

| A1 | A2 | A6 | A7 | B | C | D | E | H | I | J | K | M | T1 | T2 | T6 | T7 | V | W | W1 |
|-------|-------|-------|-------|-----|----|-----|-----|----|----|-----|------|---|----|----|----|-----|----|-----|-------|
| G 3/4 | G 3/4 | G 1/4 | G 1/8 | 100 | 52 | 254 | 306 | 58 | M6 | 103 | 70.5 | 3 | 18 | 18 | 7 | 8.5 | 29 | 321 | 101.5 |
| G 1 | G 1 | G 1/4 | G 1/8 | 100 | 52 | 254 | 306 | 58 | M6 | 103 | 70.5 | 3 | 18 | 18 | 7 | 8.5 | 29 | 321 | 101.5 |

Diagrams

Flow rate characteristic



p_2 = secondary pressure
 q_n = nominal flow

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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