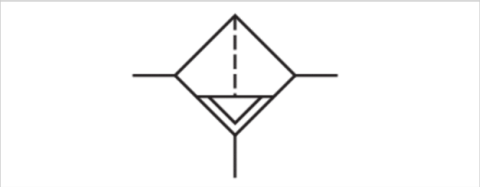


Active carbon filter, Series NL4-FLA

- G 1/4 G 1/2



| | |
|-------------------------------|--|
| Type | Active carbon filter, Can be assembled into blocks |
| Parts | Active carbon filter |
| Mounting orientation | vertical |
| Working pressure min./max. | 0,5 ... 16 bar |
| Ambient temperature min./max. | -10 ... 60 °C |
| Medium temperature min./max. | -10 ... 60 °C |
| Medium | Compressed air Neutral gases |
| Filter reservoir volume | 50 cm³ |
| Filter element | exchangeable |
| Condensate drain | without |
| Weight | See table below |

Technical data

| Part No. | Port | Flow Qn | Version | Weight | |
|------------|-------|------------|--|----------|----|
| 0821303300 | G 1/4 | 2250 l/min | Metal reservoir without window | 0,836 kg | 1) |
| 0821303301 | G 1/4 | 2250 l/min | reservoir, metal, long, without inspection glass | 0,836 kg | 1) |
| 0821303517 | G 1/2 | 2250 l/min | reservoir, metal, long, without inspection glass | 1,58 kg | 2) |

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0.1 bar

1) Metal protective guard can be retrofitted for all polycarbonate reservoirs

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

Technical information

The pressure dew point must be at least 15 °C under 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.

Recommended pre-filtering 0,01 µm

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

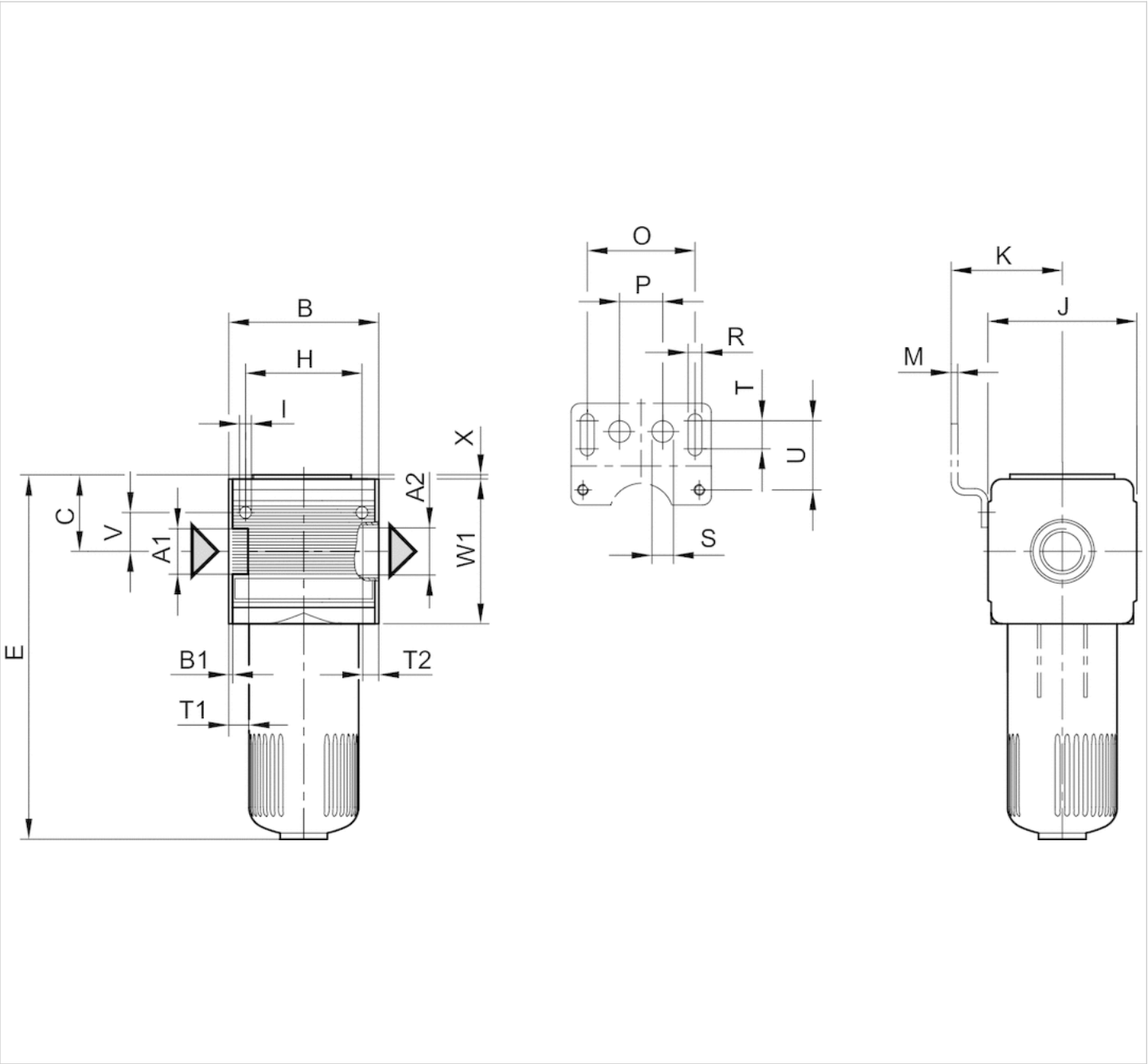
Technical information

| Material | |
|-------------|---------------------------------|
| Housing | Die cast zinc |
| Front plate | Acrylonitrile butadiene styrene |

| Material | |
|---------------|--------------------------------|
| Seals | Acrylonitrile butadiene rubber |
| Reservoir | Polycarbonate Die cast zinc |
| Filter insert | Active carbon |

Dimensions

Dimensions



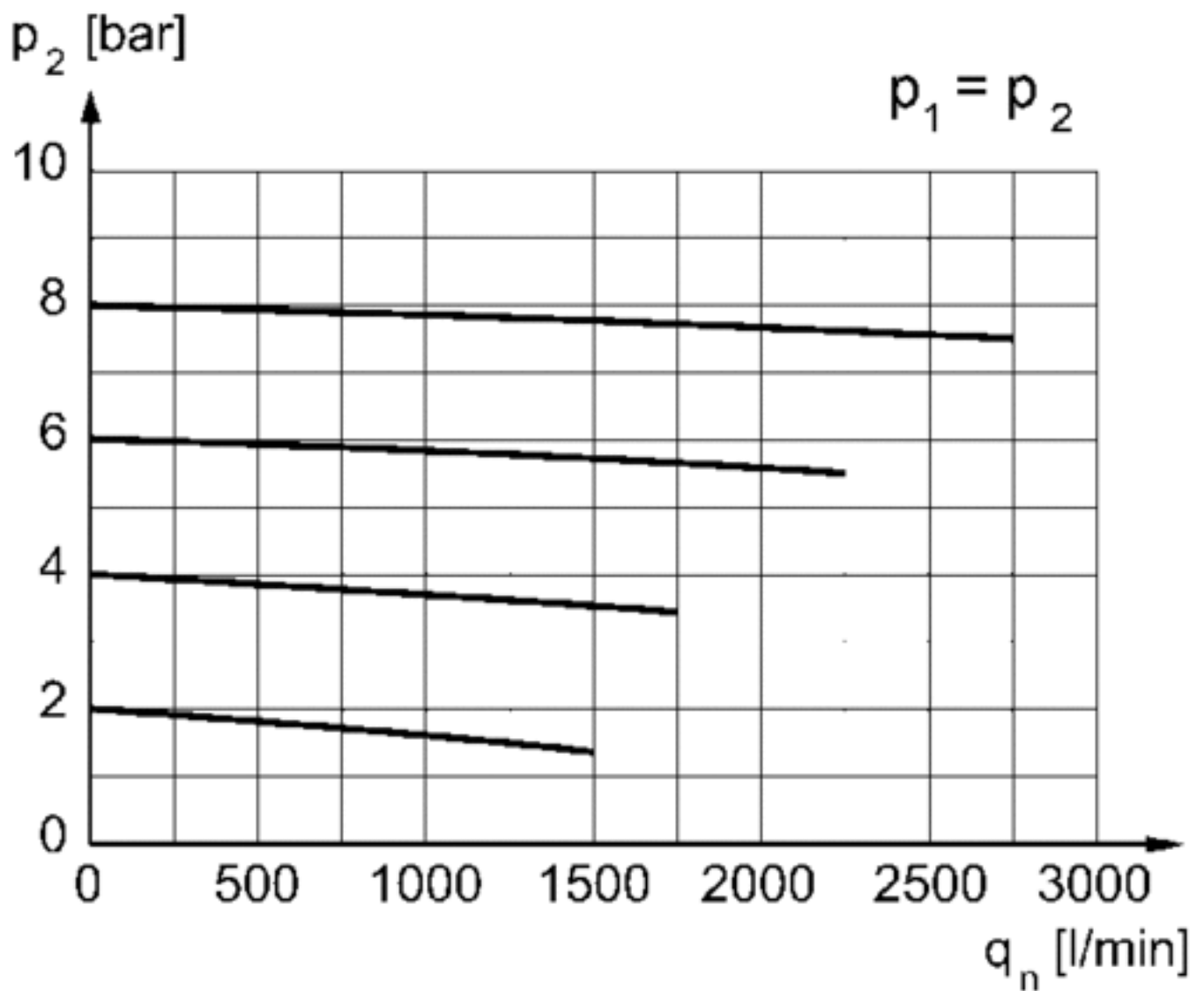
A1 = input
A2 = output

Dimensions in mm

| A1 | A2 | B | B1 | C | D | E | H | I | J | K | M | O | P | R | S | T | T1 | T2 | U | V | W1 | X |
|-------|-------|------|-----|------|---|-----|----|-----|----|------|---|----|----|-----|----|----|----|----|----|----|----|---|
| G 1/4 | G 1/4 | 69.6 | 1.8 | 34.5 | – | 170 | 54 | 5.5 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 | 33 | 18 | 67 | 1 |
| G 1/4 | G 1/4 | 69.6 | 1.8 | 34.5 | – | 222 | 54 | 5.5 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 | 33 | 18 | 67 | 1 |
| G 1/2 | G 1/2 | 69.6 | 1.8 | 34.5 | – | 308 | 54 | 5.5 | 69 | 54.5 | 3 | 50 | 20 | 6.4 | 10 | 13 | 13 | 13 | 33 | 18 | 67 | 1 |

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



Visit us: [Emerson.com/Aventics](https://www.emerson.com/Aventics)

Your local contact: [Emerson.com/contactus](https://www.emerson.com/contactus)



Emerson.com



Facebook.com/EmersonAutomationSolutions



LinkedIn.com/company/Emerson-Automation-Solutions



Twitter.com/EMR_Automation

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. This Document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS GmbH. It may not be reproduced or given to third parties without its consent. Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgement and verification. It must be remembered that the products are subject to a natural process of wear and aging.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Brand logotype are registered trademarks of one of the Emerson family of companies. All other marks are the property of their respective owners. © 2020 Emerson Electric Co. All rights reserved.
2020-12



CONSIDER IT SOLVED™