

Filling unit, pneumatically operated, Series AS3-SSU

- adjustable filling time
- Compressed air connection G 3/8
- Pipe connection
- ATEX optional



Version

Pilot

Sealing principle

Working pressure min./max.

Control pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Max. particle size

Weight

Poppet valve, Can be assembled into blocks

internal

Soft sealing

0 ... 16 bar

2,5 ... 16 bar

-10 ... 50 °C

-10 ... 50 °C

Compressed air Neutral gases

40 µm

0,924 kg

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data



| Part No. | Port | Pilot connection | Exhaust | Flow | Flow | Flow | |
|------------|-------|------------------|---------|------------|------------|------------|----|
| | | | | Qn | Qn 1>2 | Qn 2>3 | |
| R412007276 | G 3/8 | G 1/8 | G 1/2 | 3500 l/min | 3500 l/min | 3200 l/min | 1) |
| R412007281 | G 1/2 | G 1/8 | G 1/2 | 3500 l/min | 3500 l/min | 3200 l/min | 1) |
| R412007289 | G 1/2 | G 1/8 | G 1/2 | 3500 l/min | 3500 l/min | 3200 l/min | 2) |

Technical information

2) With adjustment screw lock

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

Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.

Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

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

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.

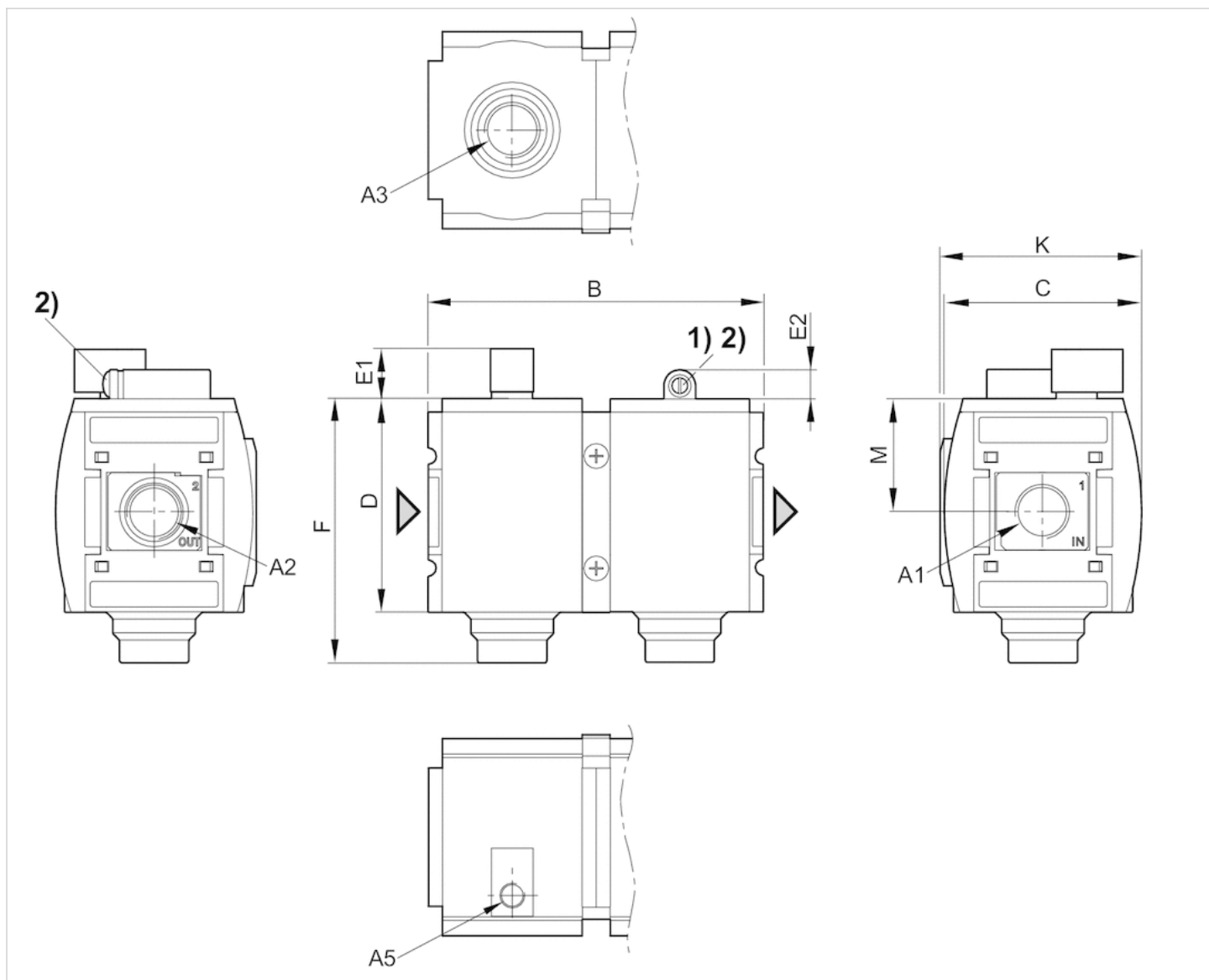
Technical information

Material

| | |
|------------------|---------------------------------|
| Housing | Polyamide |
| Front plate | Acrylonitrile butadiene styrene |
| Seals | Acrylonitrile butadiene rubber |
| Threaded bushing | Die cast zinc |

Dimensions

Dimensions



A1 = input A2 = output A3 = ventilation port

A5 = control pressure connection

1) Adjustment screw for filling time

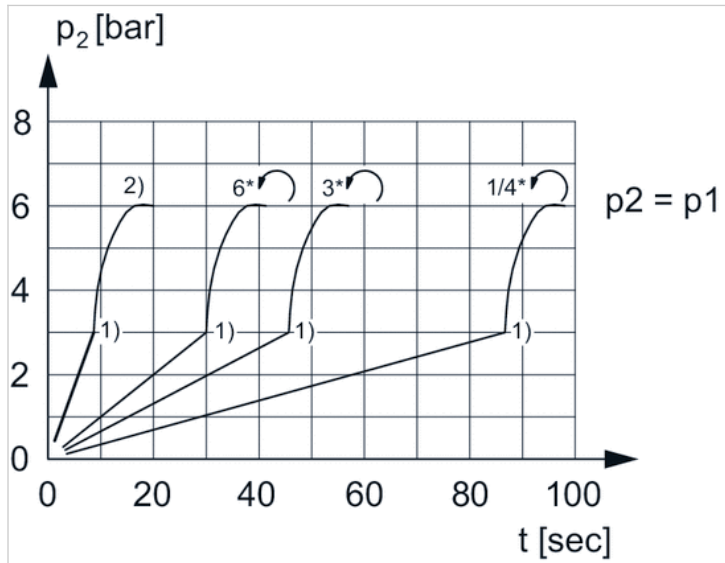
2) Adjustment screw lock

Dimensions in mm

| A1 | A2 | A3 | A5 | B | C | D | E1 | E2 | F | K | M |
|-------|-------|-------|-------|--------|----|----|------|----|----|------|------|
| G 3/8 | G 3/8 | G 1/2 | G 1/8 | 125.75 | 74 | 80 | 18.5 | 11 | 99 | 75.5 | 42.5 |
| G 1/2 | G 1/2 | G 1/2 | G 1/8 | 125.75 | 74 | 80 | 18.5 | 11 | 99 | 75.5 | 42.5 |

Diagrams

Secondary pressure while filling



p_1 = working pressure

p_2 = secondary pressure

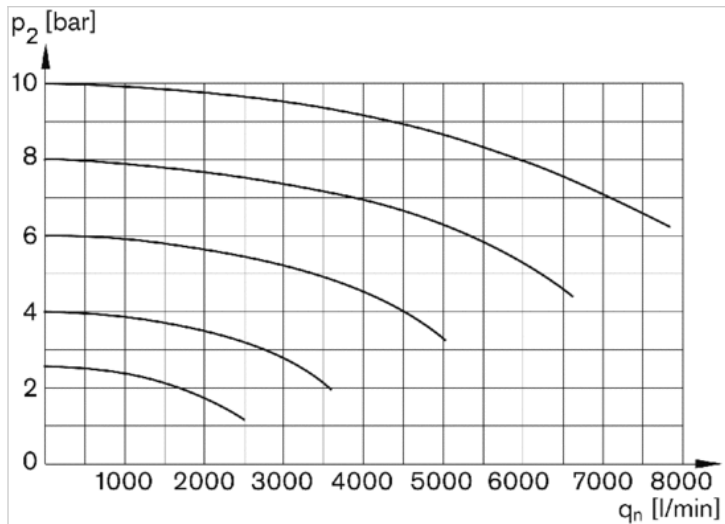
t = filling time, adjustable via adjustment screw (throttle)

1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)

2) Throttle fully opened

* Adjustment screw rotations

Flow rate characteristic



p_2 = secondary pressure q_n = nominal flow