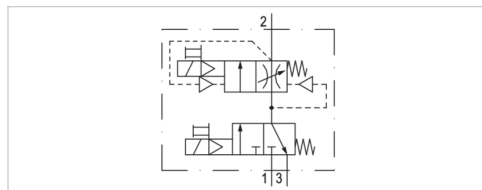



Filling unit, electrically operated, Series AS2-SSU

- adjustable filling time and change-over pressure
- Compressed air connection G 1/4
- Pipe connection
- Electrical connection: Plug, M12x1
- ATEX optional



| | |
|---|---|
| Version | Poppet valve, Can be assembled into blocks |
| Parts | Filling valve, 3/2-directional valve, electrically operated |
| Nominal flow | 2000 l/min |
| Nominal flow 1 ▶ 2 | 2000 l/min |
| Nominal flow 2 ▶ 3 | 380 l/min |
| Working pressure min./max. | 2,5 ... 10 bar |
| Medium | Compressed air Neutral gases |
| Medium temperature min./max. | -10 ... 50 °C |
| Ambient temperature min./max. | -10 ... 50 °C |
| Pilot | internal |
| Sealing principle | Soft sealing |
| Max. particle size | 25 µm |
| Protection class acc. to DIN EN 61140 with plug | IP65 |
| Duty cycle | 100 % |
| Weight | 0,424 kg |

Technical data

| Part No. | | Compressed air connection input | Compressed air connection output | Exhaust |
|------------|---|---------------------------------|----------------------------------|---------|
| R412006384 |  | G 1/4 | G 1/4 | G 1/4 |

| Part No. | Operational voltage | Power consumption | Electrical connection |
|------------|---------------------|-------------------|-----------------------|
| | DC | DC | Pilot valve |
| R412006384 | 24 V | 2 W | Plug, M12x1 |

| Part No. | basic valve with electrical connector |
|------------|---------------------------------------|
| R412006384 | Basic valve with pilot valve |

Technical information

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.

Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.

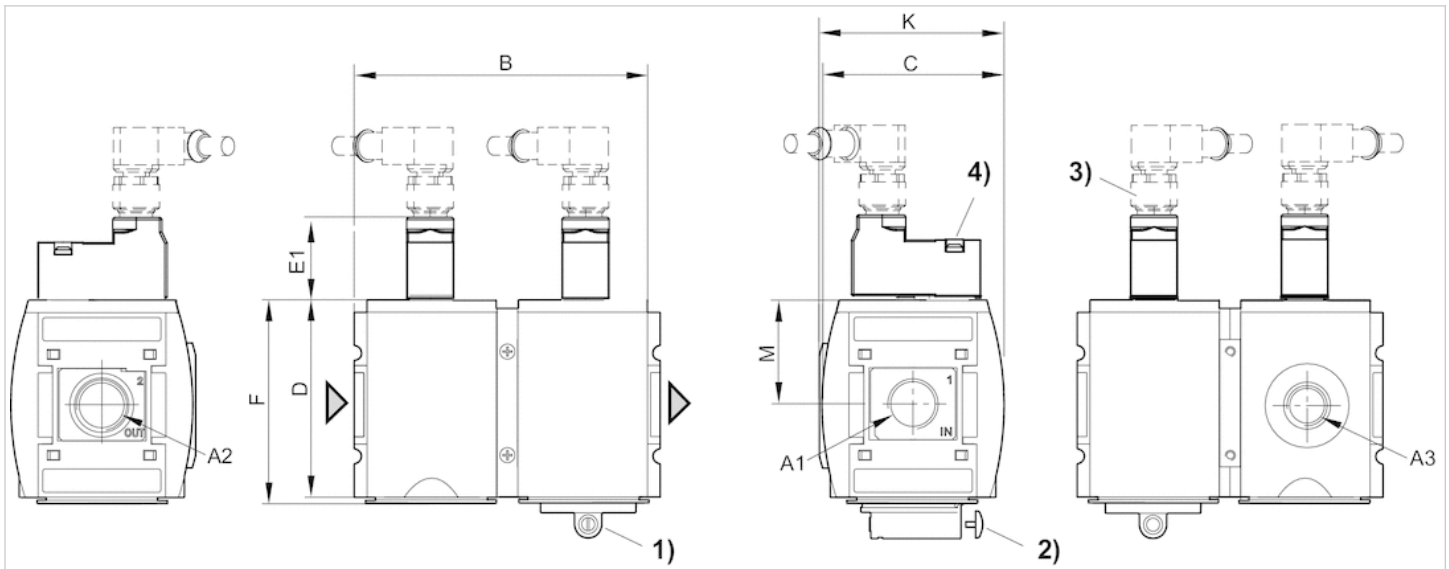
Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

Technical information

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

Dimensions

Dimensions



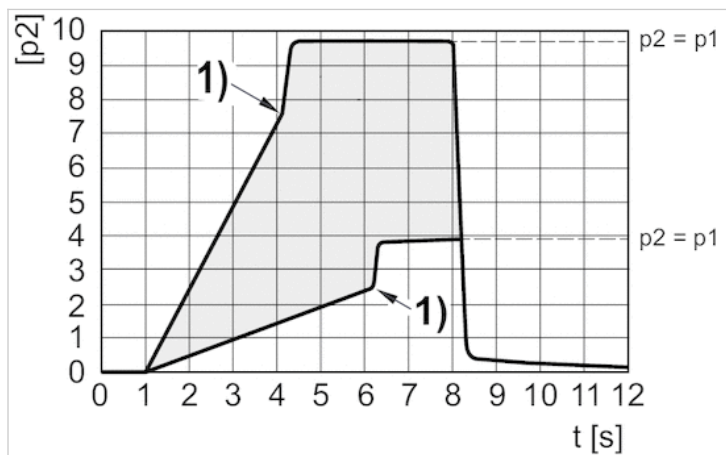
- A1 = input
- A2 = output
- A3 = ventilation port
- 1) Adjustment screw for filling time
- 2) Adjustment screw lock
- 3) plug M12
- 4) Manual override

Dimensions in mm

| A1 | A2 | A3 | B | C | D | E1 | F | K | M |
|-------|-------|-------|-----|----|----|----|----|------|----|
| G 1/4 | G 1/4 | G 1/4 | 104 | 59 | 65 | 39 | 67 | 60.9 | 34 |

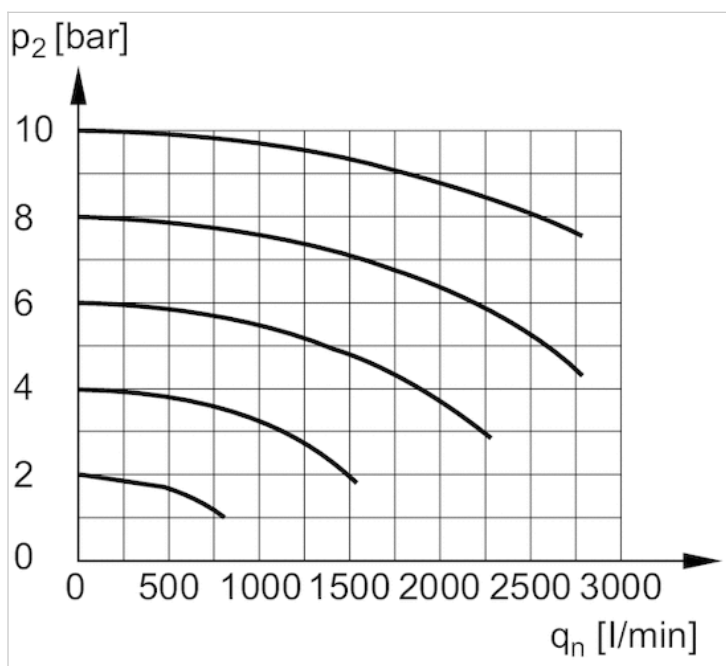
Diagrams

Secondary pressure while filling



- p1 = working pressure
- p2 = secondary pressure
- t = filling time, adjustable via adjustment screw (throttle)
- Change-over pressure individually adjustable via electrical signal
- 1) Switching point: adjustable filling time and change-over pressure

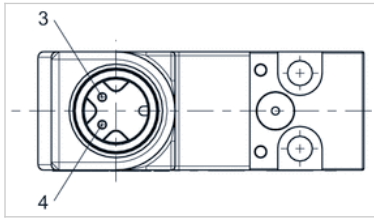
Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Pin assignments

Pin assignment M12x1



3: +/-

4: +/-