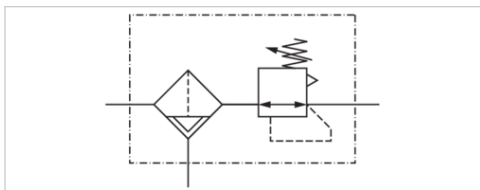





# Filter pressure regulator, Series AS2-FRE

- G 1/4
- filter porosity 40 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX



Version	1-in-1, Can be assembled into blocks
Parts	Filter pressure regulator
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	See table
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Max. particle size	40 µm
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	28 cm <sup>3</sup>
Filter element	exchangeable
Condensate drain	See table
Weight	See table

## Technical data

Part No.			Port	Flow	Working pressure min./max.
				Qn	
R412006199		—	G 1/4	2100 l/min	0 ... 16 bar
R412006224			G 3/8	2600 l/min	1,5 ... 16 bar

Part No.	Condensate drain	Weight	
R412006199	fully automatic, open without pressure	0,661 kg	1)
R412006224	semi-automatic, open without pressure	0,394 kg	2)

## Technical information

2) Pressure gauge enclosed separately. Suitable for use in Ex zones 1, 2, 21, 22

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".

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.

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

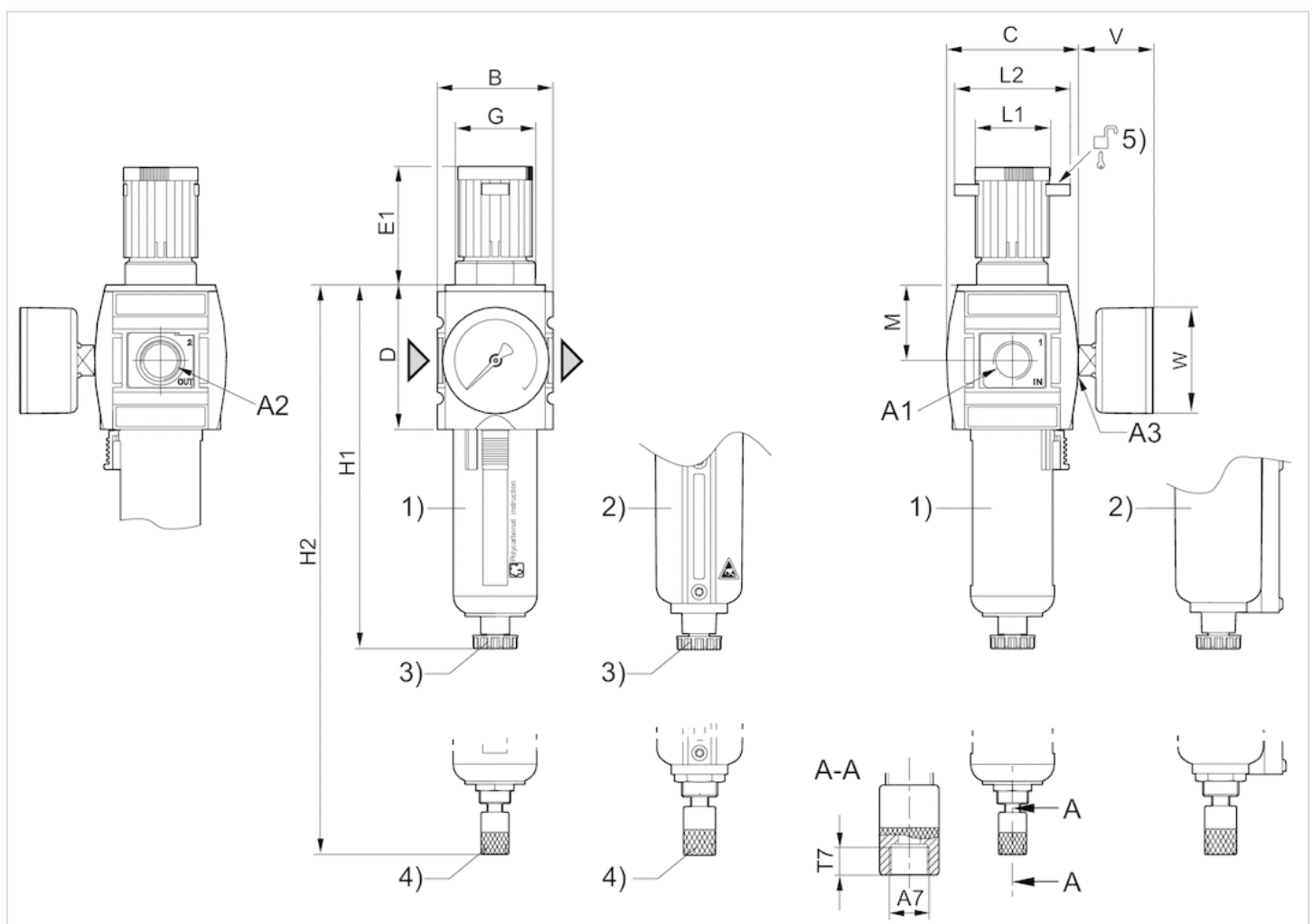
Max. residual oil content acc. to ISO 8573-1 at the outlet 10 mg/m<sup>3</sup>

## Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Polyethylene

## Dimensions

### Dimensions



A1 = input A2 = output A3 = pressure gauge connection

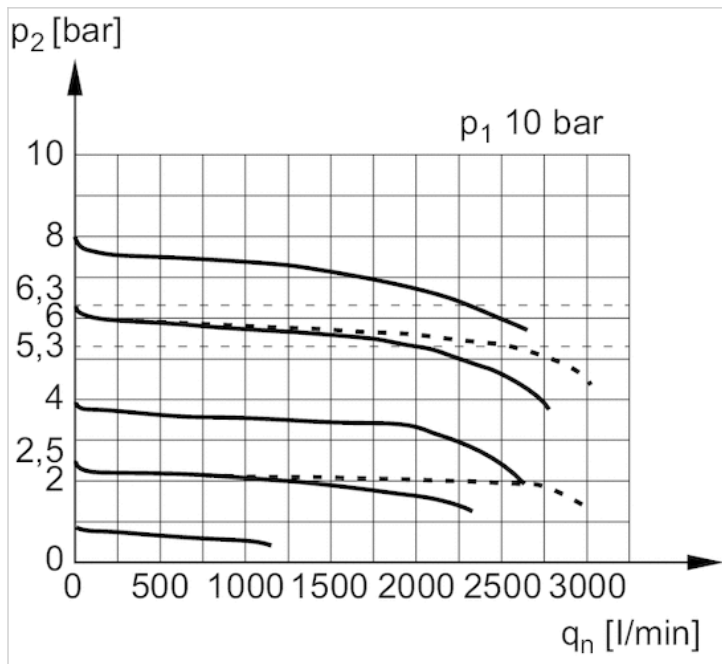
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain
- 5) Mounting option for padlocks; max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	L1	L2	M	T7	V	W
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	180.5	34	54	34	8.5	37	50
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	180.5	34	54	34	8.5	37	50

Diagrams

Flow rate characteristic



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