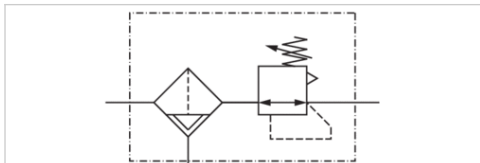


Filter pressure regulator, Series AS2-FRE

- G 1/4
- filter porosity 25 µm
- lockable
- for padlocks
- 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
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Condensate drain	See table
Weight	See table

Technical data

Part No.	Port	Flow	Working pressure min./max.	Adjustment range min./max.
		Qn		
R412006180	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006218	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006219	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006220	G 1/4	2100 l/min	0 ... 16 bar	0 ... 10 bar
R412006221	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006222	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006223	G 3/8	2600 l/min	0 ... 16 bar	0 ... 10 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412006180	semi-automatic, open without pressure	Die cast zinc	-	0,537 kg
R412006218	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,304 kg
R412006219	fully automatic, open without pressure	Polycarbonate	Polyamide	0,347 kg
R412006220	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,347 kg
R412006221	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,347 kg
R412006222	fully automatic, open without pressure	Polycarbonate	Polyamide	0,347 kg
R412006223	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,347 kg

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

Order pressure gauge separately, 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".

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.

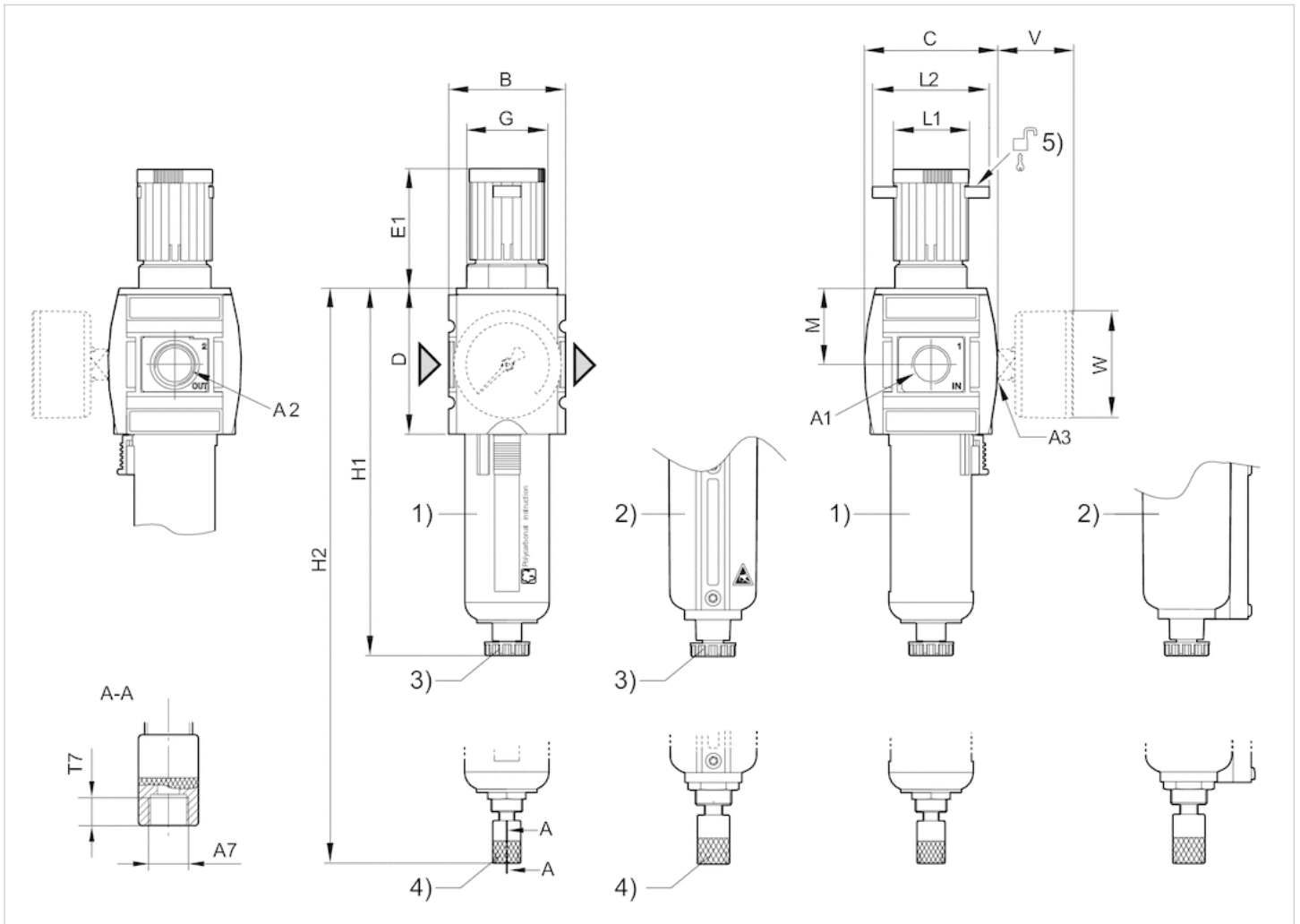
Max. residual oil content acc. to ISO 8573-1 at the outlet 10 mg/m³

Technical information

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

Dimensions

Dimensions



A1 = input A2 = output A3 = pressure gauge connection

A7 = condensate drain

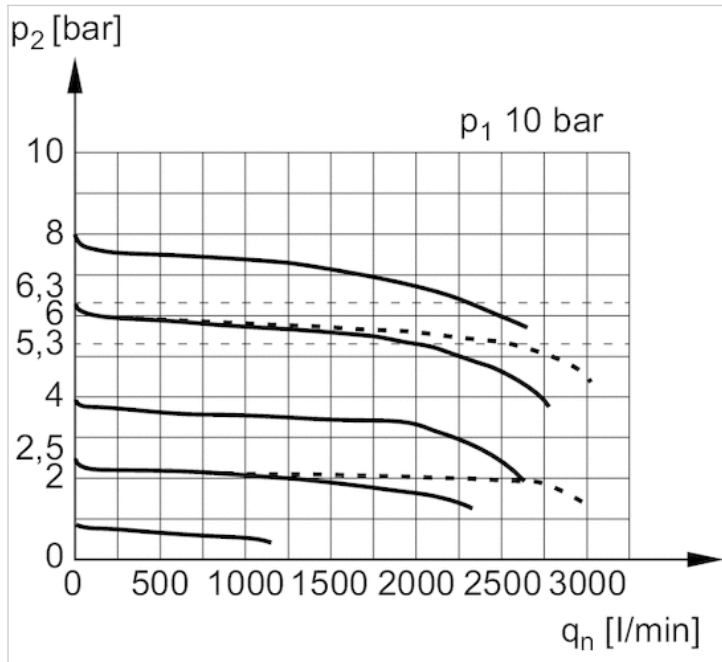
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain
- 5) Mounting option for padlocks; max. shackle Ø 8

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 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