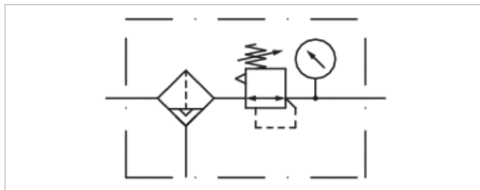


Filter pressure regulator, Series AS2-FRE

- G 1/4 G 3/8
- filter porosity 5 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 below
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 below
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Flow	Working pressure min./max.	Adjustment range min./max.
		Qn		
R412006200	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006206	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006196	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006201	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006202	G 1/4	2100 l/min	0 ... 16 bar	0,5 ... 8 bar
R412006207	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006208	G 1/4	2100 l/min	0 ... 16 bar	0,5 ... 8 bar
R412006197	G 1/4	2100 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006198	G 1/4	2100 l/min	0 ... 16 bar	0,5 ... 10 bar
R412006209	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006215	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006212	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412006210	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006211	G 3/8	2600 l/min	0 ... 16 bar	0,5 ... 8 bar
R412006216	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412006217	G 3/8	2600 l/min	0 ... 16 bar	0,5 ... 8 bar
R412006213	G 3/8	2600 l/min	1,5 ... 16 bar	0,5 ... 10 bar



Part No.	Port	Flow	Working pressure min./max.	Adjustment range min./max.
		Qn		
R412006214	G 3/8	2600 l/min	0 ... 16 bar	0,5 ... 10 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412006200	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,394 kg
R412006206	semi-automatic, open without pressure	Die cast zinc	-	0,609 kg
R412006196	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,394 kg
R412006201	fully automatic, open without pressure	Polycarbonate	Polyamide	0,437 kg
R412006202	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,437 kg
R412006207	fully automatic, open without pressure	Die cast zinc	-	0,661 kg
R412006208	fully automatic, closed without pressure	Die cast zinc	-	0,661 kg
R412006197	fully automatic, open without pressure	Polycarbonate	Polyamide	0,437 kg
R412006198	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,437 kg
R412006209	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,437 kg
R412006215	semi-automatic, open without pressure	Die cast zinc	-	0,596 kg
R412006212	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,596 kg
R412006210	fully automatic, open without pressure	Polycarbonate	Polyamide	0,437 kg
R412006211	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,437 kg
R412006216	fully automatic, open without pressure	Die cast zinc	-	0,648 kg
R412006217	fully automatic, closed without pressure	Die cast zinc	-	0,648 kg
R412006213	fully automatic, open without pressure	Polycarbonate	Polyamide	0,648 kg
R412006214	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,648 kg

Pressure gauge enclosed separately, Nominal flow Qn with secondary pressure p2 = 6 bar at $\Delta p = 1$ bar

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.

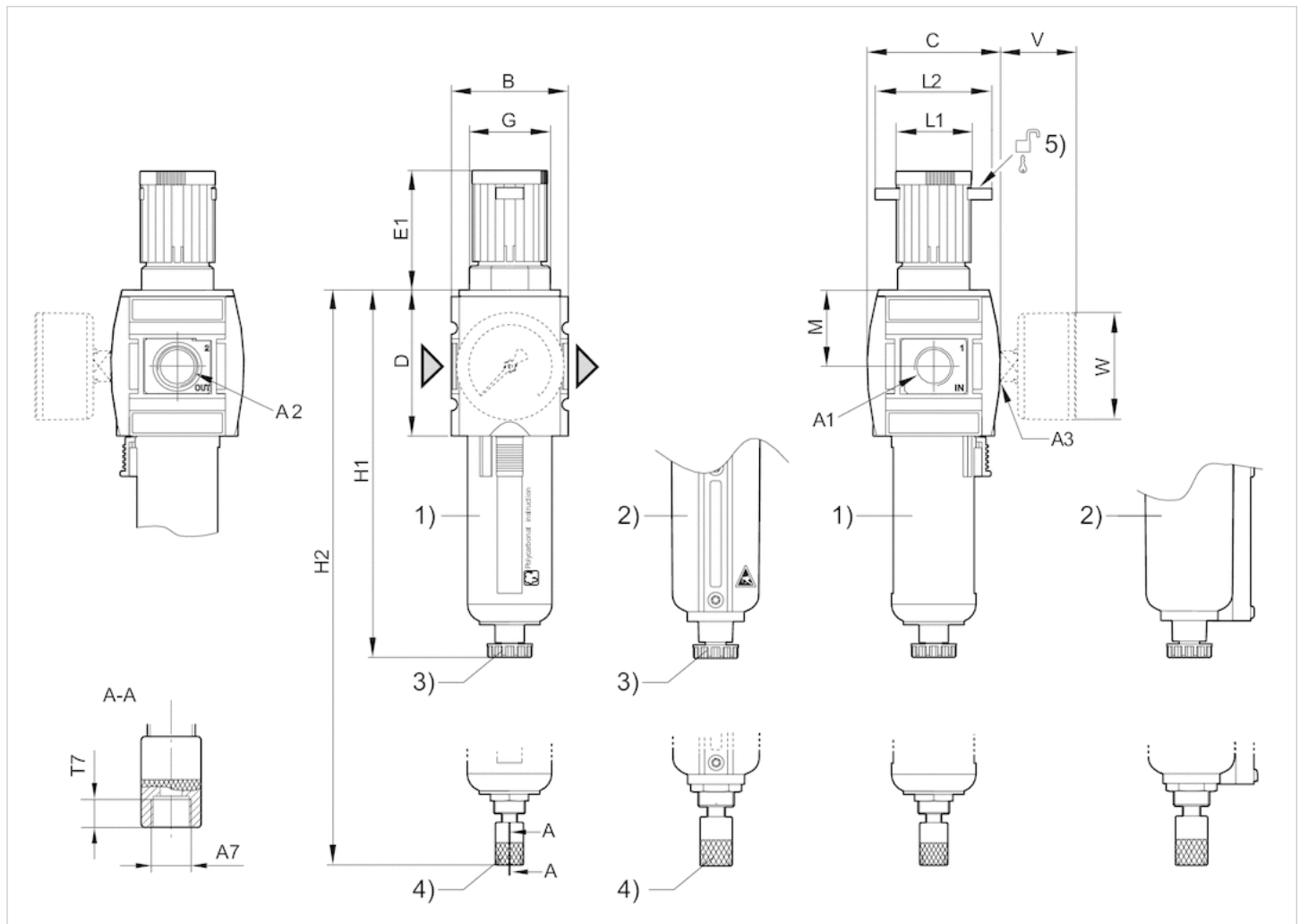
Max. residual oil content acc. to ISO 8573-1 at the outlet 10 mg/m³

Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate Die cast zinc
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

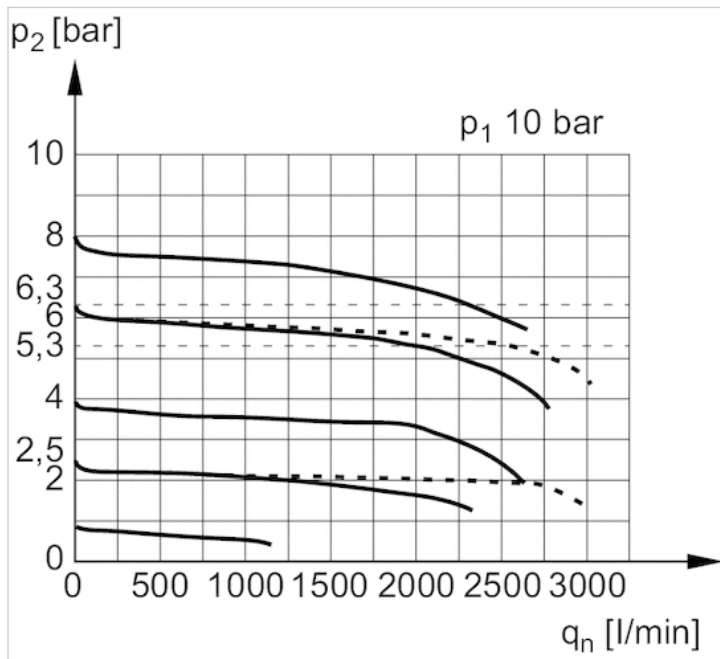
5) Mounting option for padlocks; max. shackle Ø 8

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	--	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	--	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	--	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	--	180.5	34	54	34	8.5	37	50

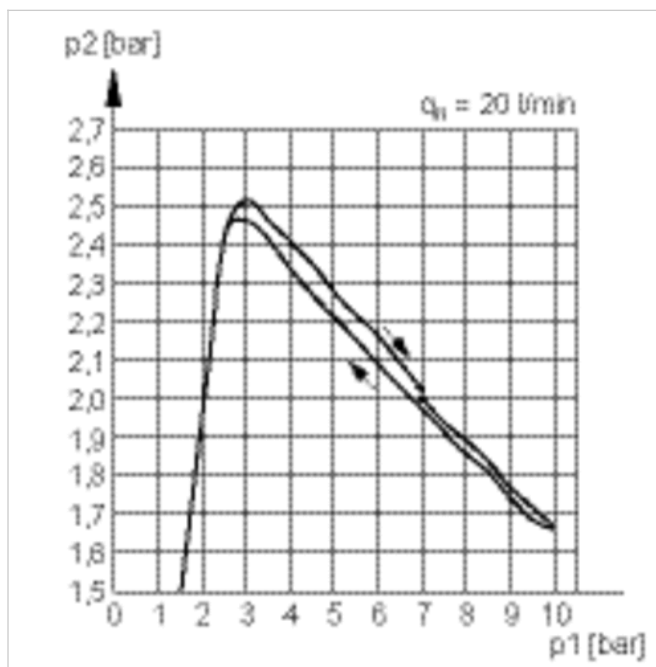
Diagrams

Flow rate characteristic



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

Pressure characteristics curve Version with safe rear exhaust in case of drop (removal) of pilot



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