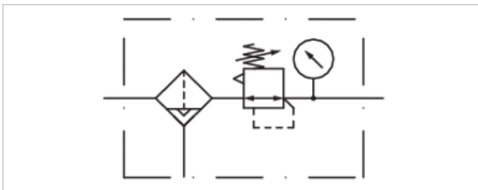


Filter pressure regulator, Series AS3-FRE

- G 3/8, G 1/2
- 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.	14 ... 122 °F
Medium temperature min./max.	14 ... 122 °F
Medium	Compressed air, Neutral gases
Nominal flow Qn	5.18 Cv
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	1.66 fl.oz.
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		
R412007200	G 3/8	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007201	G 3/8	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007202	G 3/8	5.18 Cv	0 ... 232 psi	8 ... 116 psi
R412007206	G 3/8	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007207	G 3/8	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007208	G 3/8	5.18 Cv	0 ... 232 psi	8 ... 116 psi
R412007209	G 1/2	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007237	G 1/2	5.18 Cv	22 ... 232 psi	8 ... 232 psi
R412007210	G 1/2	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007211	G 1/2	5.18 Cv	0 ... 232 psi	8 ... 116 psi
R412007215	G 1/2	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007216	G 1/2	5.18 Cv	22 ... 232 psi	8 ... 116 psi
R412007217	G 1/2	5.18 Cv	0 ... 232 psi	8 ... 116 psi

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412007200	semi-automatic, open without pressure	Polycarbonate	Polyamide	1.45 lbs
R412007201	fully automatic, open without pressure	Polycarbonate	Polyamide	1.56 lbs
R412007202	fully automatic, closed without pressure	Polycarbonate	Polyamide	1.56 lbs

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412007206	semi-automatic, open without pressure	Die cast zinc	-	1.96 lbs
R412007207	fully automatic, open without pressure	Die cast zinc	-	2.08 lbs
R412007208	fully automatic, closed without pressure	Die cast zinc	-	2.08 lbs
R412007209	semi-automatic, open without pressure	Polycarbonate	Polyamide	1.45 lbs
R412007237	fully automatic, open without pressure	Polycarbonate	Polyamide	1.45 lbs
R412007210	fully automatic, open without pressure	Polycarbonate	Polyamide	1.56 lbs
R412007211	fully automatic, closed without pressure	Polycarbonate	Polyamide	1.56 lbs
R412007215	semi-automatic, open without pressure	Die cast zinc	-	1.92 lbs
R412007216	fully automatic, open without pressure	Die cast zinc	-	2.03 lbs
R412007217	fully automatic, closed without pressure	Die cast zinc	-	2.03 lbs

Pressure gauge enclosed separately, Nominal flow Qn with secondary pressure p2 = 87 psi at $\Delta p = 14.5$ psi

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

Technical information

The pressure dew point must be at least 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

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.

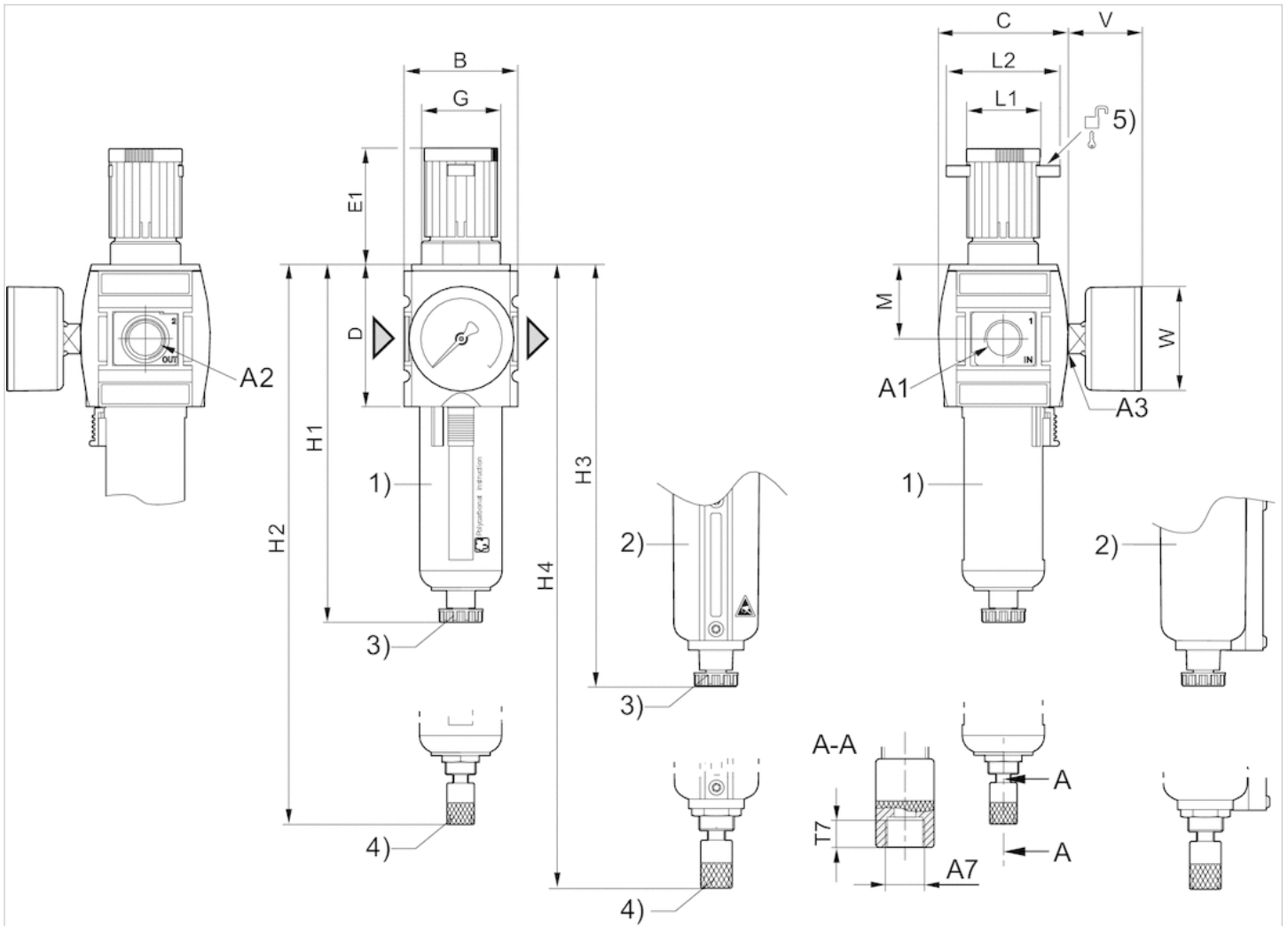
Max. residual oil content acc. to ISO 8573-1 at the outlet 10 mg/m³

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 with level indicator

3) Semi-automatic condensate drain

4) Fully automatic condensate drain

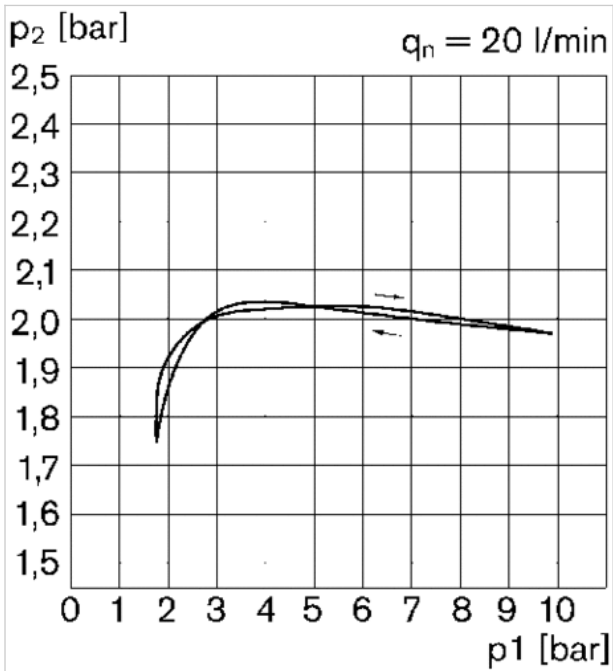
5) Mounting option for padlocks; max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	H3	H4	L1	L2	M	T7	V	W
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	189.5	--	--	--	41	60	42.5	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	206	--	--	41	60	42.5	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	193.5	--	41	60	42.5	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	--	210.5	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	189.5	--	--	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	206	--	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	193.5	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	--	210.5	41	60	42.5	8.5	33	50

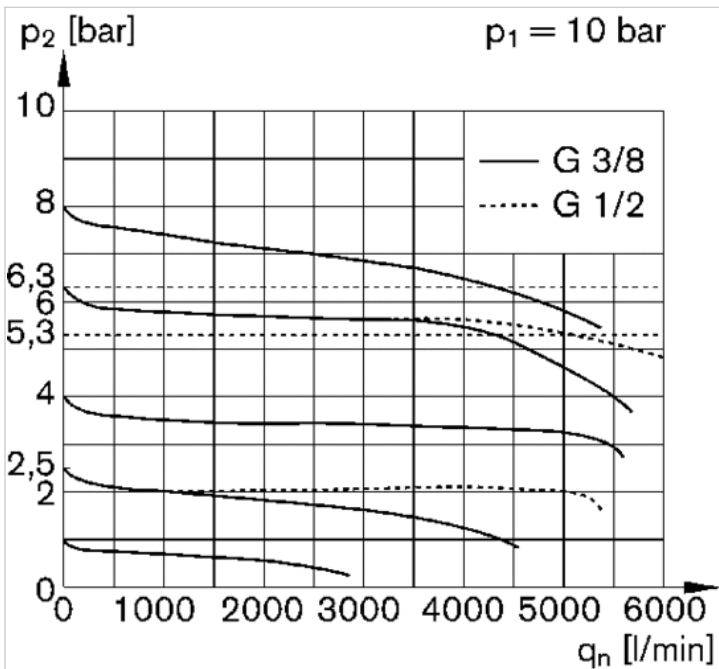
Diagrams

Pressure characteristics curve



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

Flow rate characteristic (p_2 : 0.5 - 8 bar)



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