Pre-filter, Series AS2-FLP

- G 1/4
- filter porosity 0,3 µm
- suitable for ATEX

Version	Pre-filter, Can be assembled into blocks
Parts	Pre-filter
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
Filter reservoir volume	12 cm³
Filter element	exchangeable
filter porosity	0,3 µm
Condensate drain	See table
Weight	See table

Technical data

Part No.	Port	Qn	Working pressure min./max.	Condensate drain
R412006018	G 1/4	400 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006019	G 1/4	400 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006020	G 1/4	400 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412006024	G 1/4	400 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006025	G 1/4	400 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006026	G 1/4	400 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412006027	G 3/8	400 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006028	G 3/8	400 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006029	G 3/8	400 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412006033	G 3/8	400 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412006034	G 3/8	400 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412006035	G 3/8	400 l/min	0 ... 16 bar	fully automatic, closed without pressure

Part No.	Reservoir	Protective guard	Weight
R412006018	Polycarbonate	Polyamide	0,22 kg
R412006019	Polycarbonate	Polyamide	0,263 kg
R412006020	Polycarbonate	Polyamide	0,263 kg
R412006024	Die cast zinc with window	-	0,484 kg
R412006025	Die cast zinc with window	-	0,53 kg
R412006026	Die cast zinc with window	-	0,53 kg
R412006027	Polycarbonate	Polyamide	0,263 kg
R412006028	Polycarbonate	Polyamide	0,263 kg
R412006029	Polycarbonate	Polyamide	0,263 kg
R412006033	Die cast zinc with window	-	0,47 kg
R412006034	Die cast zinc with window	-	0,525 kg

Part No.	Reservoir	Protective guard	Weight
R412006035	Die cast zinc with window	-	0,525 kg

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.

Recommended pre-filtering 5 µm

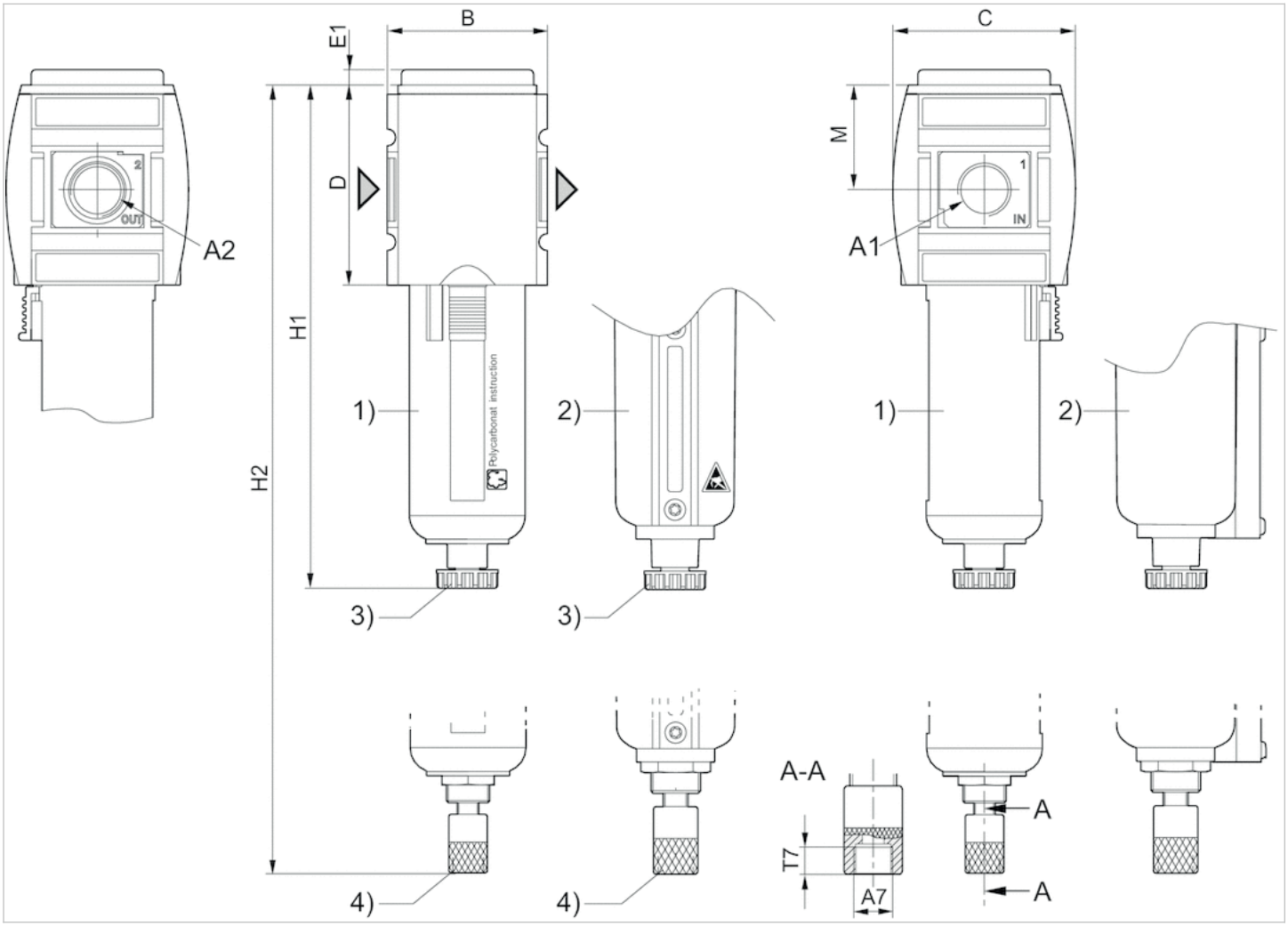
Max. achievable compressed air class acc. to ISO 8573-1:2010 2 : - : 3

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	Impregnated paper

Dimensions

Dimensions



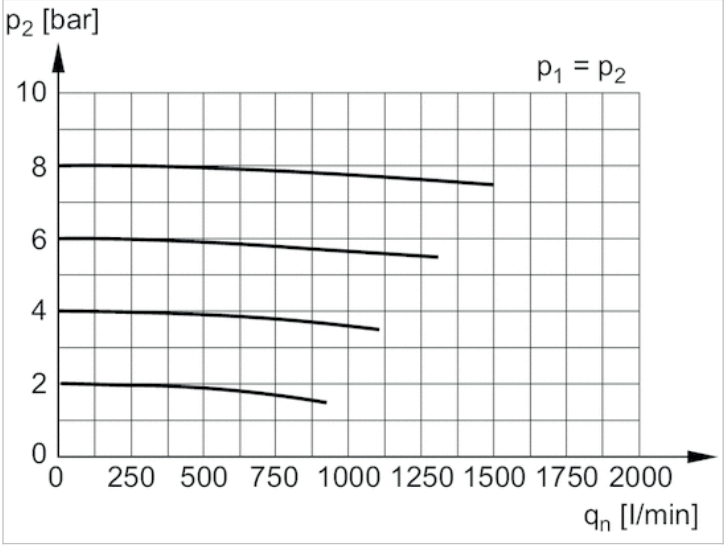
A1 = inputA2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Semi-automatic condensate drain
4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	E1	H1	H2	M	T7
G 1/4	G 1/4	G 1/8	52	59	65	5	163.5	180.5	34	8.5
G 1/4	G 1/4	G 1/8	52	59	65	5	163.5	180.5	34	8.5
G 3/8	G 3/8	G 1/8	52	59	65	5	163.5	180.5	34	8.5

Diagrams

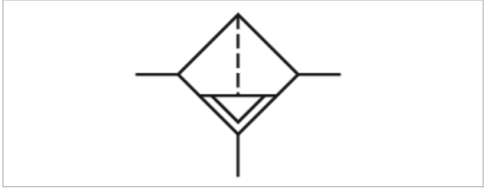
Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Pre-filter, Series AS3-FLP

- G 3/8 G 1/2
- filter porosity 0,3 µm
- suitable for ATEX



Version	Pre-filter, Can be assembled into blocks
Parts	Pre-filter
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
Filter reservoir volume	49 cm³
Filter element	exchangeable
filter porosity	0,3 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Qn	Working pressure min./max.	Condensate drain
R412007018	G 3/8	900 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412007019	G 3/8	900 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412007020	G 3/8	900 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412007024	G 3/8	900 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412007025	G 3/8	900 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412007026	G 3/8	900 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412007027	G 1/2	900 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412007028	G 1/2	900 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412007029	G 1/2	900 l/min	0 ... 16 bar	fully automatic, closed without pressure
R412007033	G 1/2	900 l/min	1,5 ... 16 bar	semi-automatic, open without pressure
R412007034	G 1/2	900 l/min	1,5 ... 16 bar	fully automatic, open without pressure
R412007035	G 1/2	900 l/min	0 ... 16 bar	fully automatic, closed without pressure

Part No.	Reservoir	Protective guard	Weight
R412007018	Polycarbonate	Polyamide	0,361 kg
R412007019	Polycarbonate	Polyamide	0,41 kg
R412007020	Polycarbonate	Polyamide	0,41 kg
R412007024	Die cast zinc with window	-	0,778 kg
R412007025	Die cast zinc with window	-	0,831 kg
R412007026	Die cast zinc with window	-	0,831 kg
R412007027	Polycarbonate	Polyamide	0,361 kg

Part No.	Reservoir	Protective guard	Weight
R412007028	Polycarbonate	Polyamide	0,41 kg
R412007029	Polycarbonate	Polyamide	0,41 kg
R412007033	Die cast zinc with window	-	0,757 kg
R412007034	Die cast zinc with window	-	0,81 kg
R412007035	Die cast zinc with window	-	0,81 kg

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0.1 bar, Dust separation = 99.99%

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.

Recommended pre-filtering 5 µm

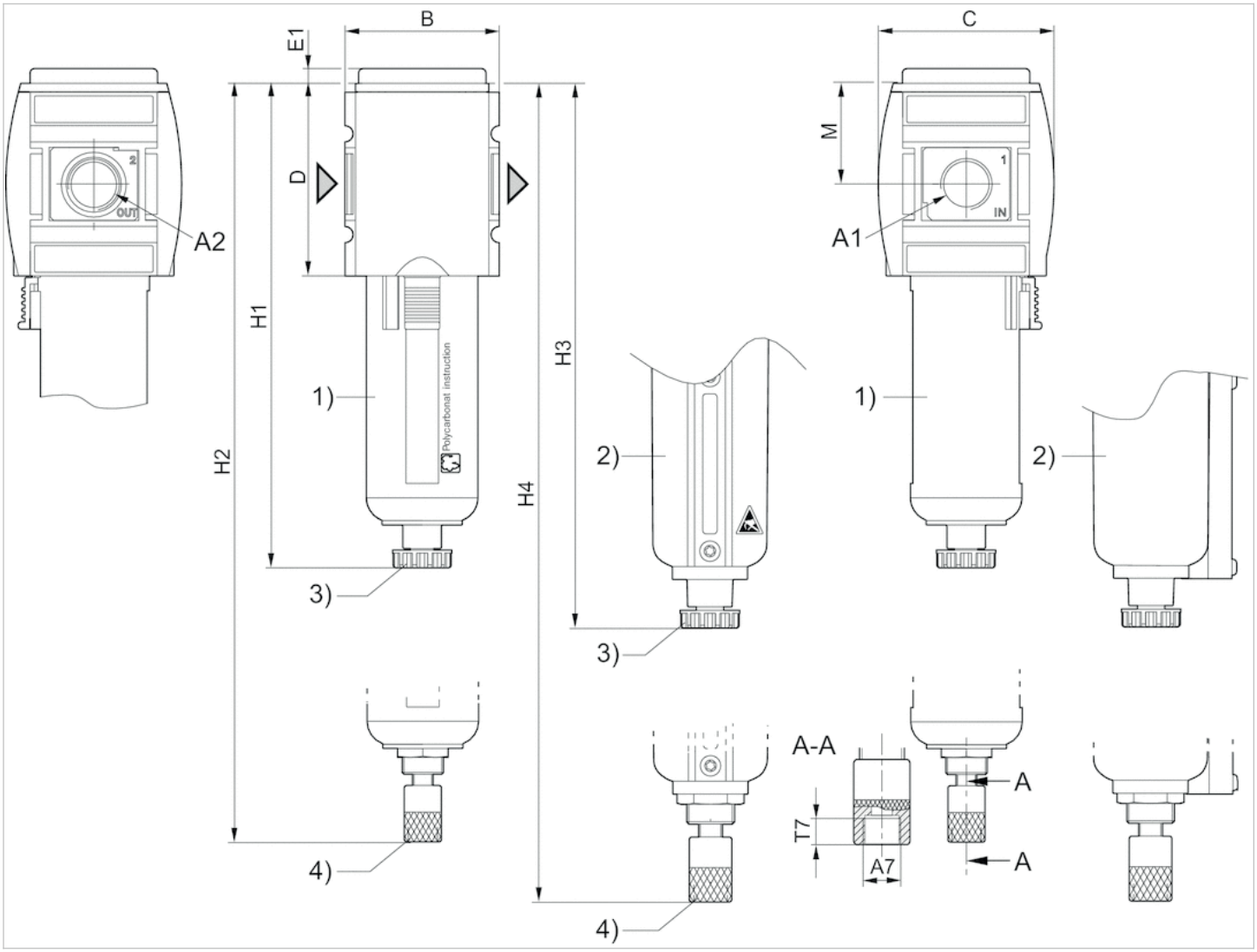
Max. achievable compressed air class acc. to ISO 8573-1:2010 2 : - : 3

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	Impregnated paper

Dimensions

Dimensions



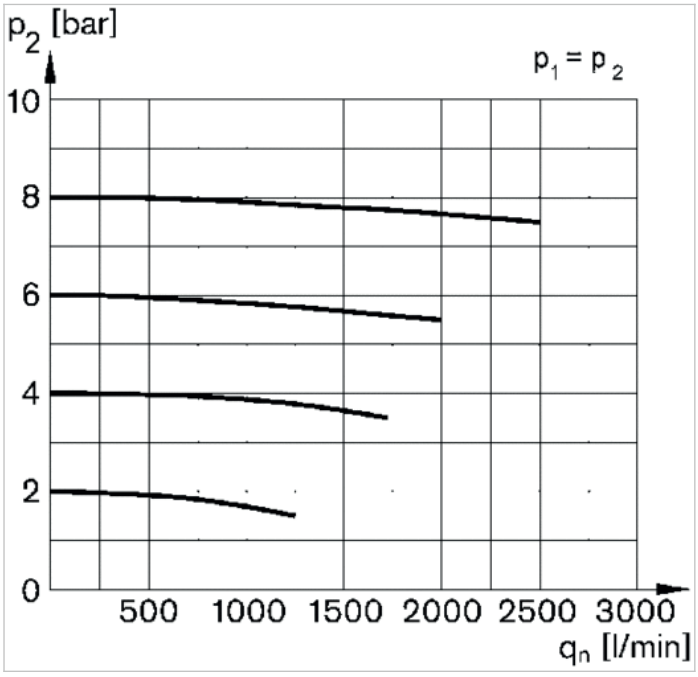
A1 = inputA2 = output
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass
3) Semi-automatic condensate drain
4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	E1	H1	H2	H3	H4	M
G 3/8	G 3/8	G 1/8	63	74	80	5	189.5	206	193.5	210.5	42.5
G 1/2	G 1/2	G 1/8	63	74	80	5	189.5	206	193.5	210.5	42.5

Diagrams

Flow rate characteristic



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