

Filter, Series AS2-FLS

- G 1/4 G 3/8
- filter porosity 5 µm
- suitable for ATEX



Version	Standard filter, Can be assembled into blocks
Parts	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	28 cm ³
Filter element	exchangeable
filter porosity	5 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Qn	Working pressure min./max.
R412006000	G 1/4	2100 l/min	1,5 ... 16 bar
R412006006	G 1/4	2100 l/min	1,5 ... 16 bar
R412006001	G 1/4	2100 l/min	1,5 ... 16 bar
R412006002	G 1/4	2100 l/min	0 ... 16 bar
R412006007	G 1/4	2100 l/min	1,5 ... 16 bar
R412006008	G 1/4	2100 l/min	0 ... 16 bar
R412006090	G 1/4	2100 l/min	0 ... 16 bar
R412006009	G 3/8	2100 l/min	1,5 ... 16 bar
R412006015	G 3/8	2100 l/min	1,5 ... 16 bar
R412006010	G 3/8	2100 l/min	1,5 ... 16 bar
R412006011	G 3/8	2100 l/min	0 ... 16 bar
R412006016	G 3/8	2100 l/min	1,5 ... 16 bar
R412006017	G 3/8	2100 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir
R412006000	semi-automatic, open without pressure	Polycarbonate
R412006006	semi-automatic, open without pressure	Die cast zinc with window
R412006001	fully automatic, open without pressure	Polycarbonate
R412006002	fully automatic, closed without pressure	Polycarbonate
R412006007	fully automatic, open without pressure	Die cast zinc with window
R412006008	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Condensate drain	Reservoir
R412006090	without	Polycarbonate
R412006009	semi-automatic, open without pressure	Polycarbonate
R412006015	semi-automatic, open without pressure	Die cast zinc with window
R412006010	fully automatic, open without pressure	Polycarbonate
R412006011	fully automatic, closed without pressure	Polycarbonate
R412006016	fully automatic, open without pressure	Die cast zinc with window
R412006017	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Protective guard	Weight
R412006000	Polyamide	0,212 kg
R412006006	-	0,443 kg
R412006001	Polyamide	0,255 kg
R412006002	Polyamide	0,255 kg
R412006007	-	0,52 kg
R412006008	-	0,53 kg
R412006090	Polyamide	0,212 kg
R412006009	Polyamide	0,212 kg
R412006015	-	0,43 kg
R412006010	Polyamide	0,255 kg
R412006011	Polyamide	0,255 kg
R412006016	-	0,52 kg
R412006017	-	0,51 kg

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.

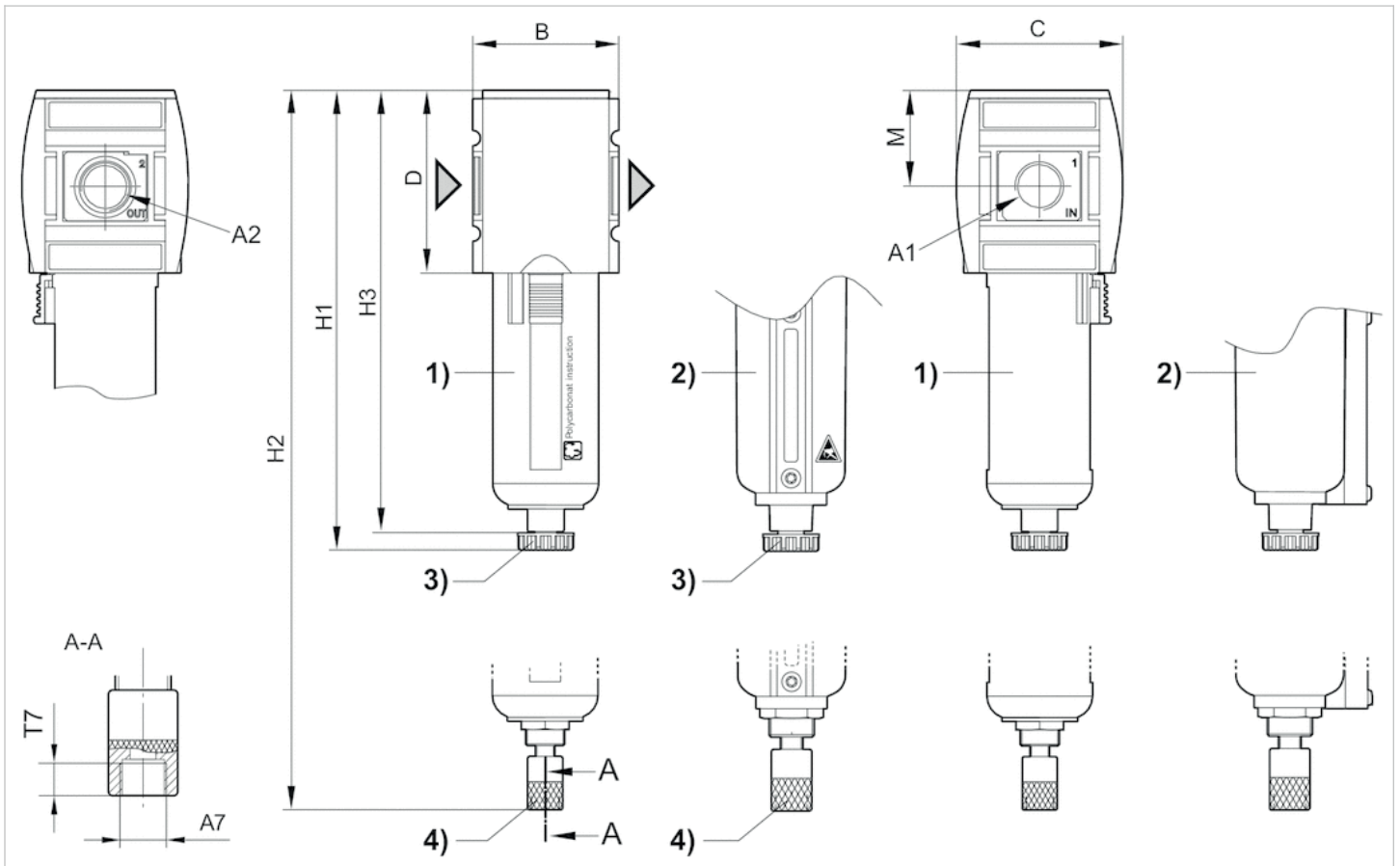
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Technical information

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

A7 = condensate drain

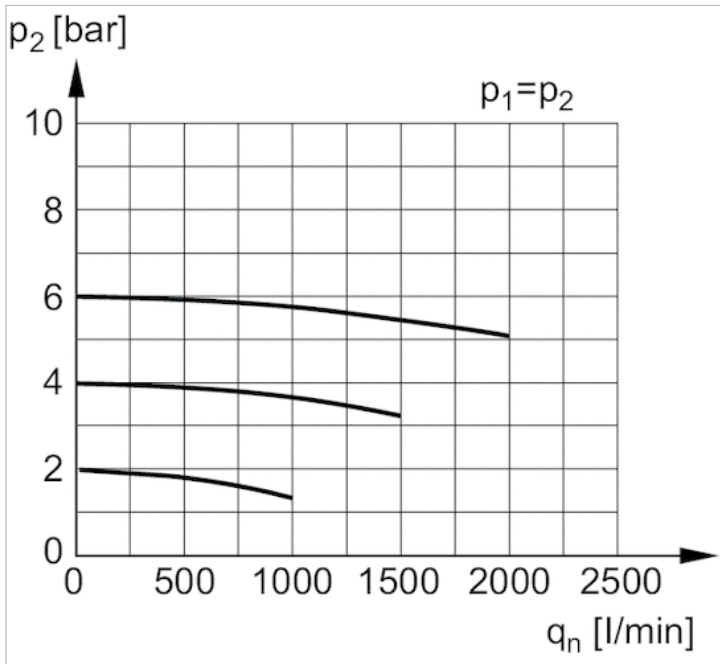
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with level indicator
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	H1	H2	H3	M	T7
G 1/4	G 1/4	G 1/8	52	59	65	163.5	-	-	34	8.5
G 1/4	G 1/4	G 1/8	52	59	65	-	180.5	-	34	8.5
G 1/4	G 1/4	G 1/8	52	59	65	-	-	157	34	8.5
G 3/8	G 3/8	G 1/8	52	59	65	163.5	-	-	34	8.5
G 3/8	G 3/8	G 1/8	52	59	65	-	180.5	-	34	8.5

Diagrams

Flow rate characteristic



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

Filter, Series AS3-FLS

- G 3/8 G 1/2
- filter porosity 5 µm
- suitable for ATEX



Version	Standard filter, Can be assembled into blocks
Parts	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 cm ³
Filter element	exchangeable
filter porosity	5 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Qn	Working pressure min./max.
R412007000	G 3/8	3500 l/min	1,5 ... 16 bar
R412007001	G 3/8	3500 l/min	1,5 ... 16 bar
R412007002	G 3/8	3500 l/min	0 ... 16 bar
R412007006	G 3/8	3500 l/min	1,5 ... 16 bar
R412007007	G 3/8	3500 l/min	1,5 ... 16 bar
R412007008	G 3/8	3500 l/min	0 ... 16 bar
R412007009	G 1/2	3500 l/min	1,5 ... 16 bar
R412007010	G 1/2	3500 l/min	1,5 ... 16 bar
R412007011	G 1/2	3500 l/min	0 ... 16 bar
R412007015	G 1/2	3500 l/min	1,5 ... 16 bar
R412007016	G 1/2	3500 l/min	1,5 ... 16 bar
R412007017	G 1/2	3500 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir
R412007000	semi-automatic, open without pressure	Polycarbonate
R412007001	fully automatic, open without pressure	Polycarbonate
R412007002	fully automatic, closed without pressure	Polycarbonate
R412007006	semi-automatic, open without pressure	Die cast zinc with window
R412007007	fully automatic, open without pressure	Die cast zinc with window
R412007008	fully automatic, closed without pressure	Die cast zinc with window
R412007009	semi-automatic, open without pressure	Polycarbonate

Part No.	Condensate drain	Reservoir
R412007010	fully automatic, open without pressure	Polycarbonate
R412007011	fully automatic, closed without pressure	Polycarbonate
R412007015	semi-automatic, open without pressure	Die cast zinc with window
R412007016	fully automatic, open without pressure	Die cast zinc with window
R412007017	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Protective guard	Weight
R412007000	Polyamide	0,361 kg
R412007001	Polyamide	0,41 kg
R412007002	Polyamide	0,41 kg
R412007006	-	0,723 kg
R412007007	-	0,79 kg
R412007008	-	0,79 kg
R412007009	Polyamide	0,361 kg
R412007010	Polyamide	0,41 kg
R412007011	Polyamide	0,41 kg
R412007015	-	0,716 kg
R412007016	-	0,769 kg
R412007017	-	0,769 kg

Nominal flow Q_n with secondary pressure $p_2 = 6$ 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.

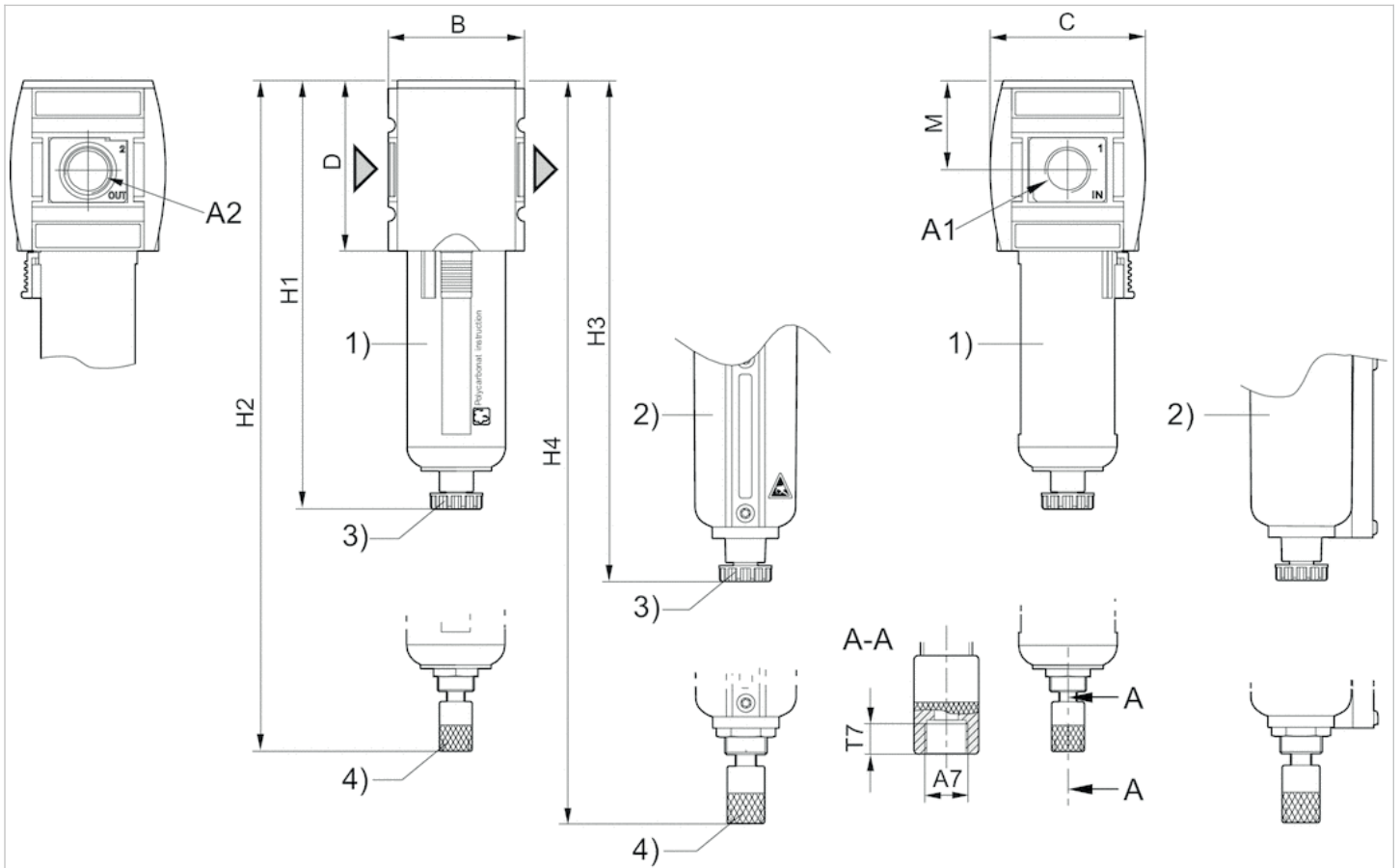
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Technical information

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

A7 = condensate drain

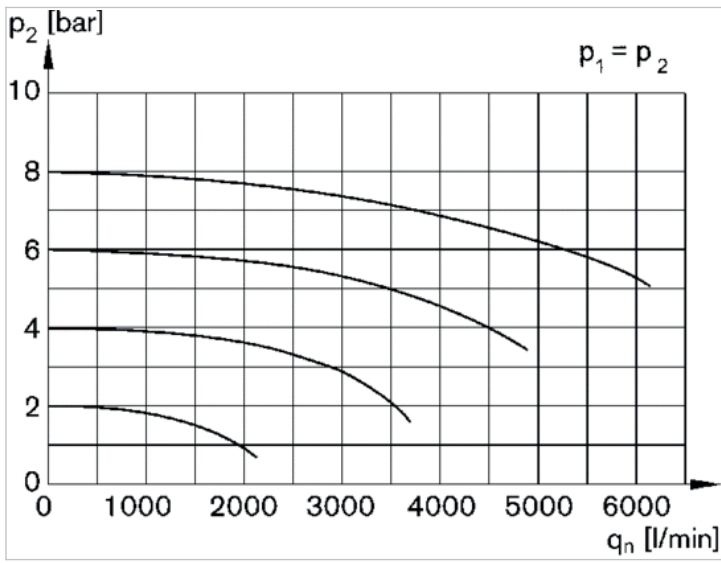
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with level indicator
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	H1	H2	H3	H4	M	T7
G 3/8	G 3/8	G 1/8	63	74	80	189.5	206	193.5	210.5	42.5	8.5
G 1/2	G 1/2	G 1/8	63	74	80	189.5	206	193.5	210.5	42.5	8.5

Diagrams

Flow rate characteristic



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

Filter, Series AS5-FLS

- G 3/4 G 1
- filter porosity 5 µm
- suitable for ATEX



Version	Standard filter, Can be assembled into blocks
Parts	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	87 cm ³
Filter element	exchangeable
filter porosity	5 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Qn	Working pressure min./max.
R412009000	G 3/4	7800 l/min	1,5 ... 16 bar
R412009001	G 3/4	7800 l/min	1,5 ... 16 bar
R412009002	G 3/4	7800 l/min	0 ... 16 bar
R412009006	G 3/4	7800 l/min	1,5 ... 16 bar
R412009007	G 3/4	7800 l/min	1,5 ... 16 bar
R412009008	G 3/4	7800 l/min	0 ... 16 bar
R412009009	G 1	7800 l/min	1,5 ... 16 bar
R412009010	G 1	7800 l/min	1,5 ... 16 bar
R412009011	G 1	7800 l/min	0 ... 16 bar
R412009015	G 1	7800 l/min	1,5 ... 16 bar
R412009016	G 1	7800 l/min	1,5 ... 16 bar
R412009017	G 1	7800 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir
R412009000	semi-automatic, open without pressure	Polycarbonate
R412009001	fully automatic, open without pressure	Polycarbonate
R412009002	fully automatic, closed without pressure	Polycarbonate
R412009006	semi-automatic, open without pressure	Die cast zinc with window
R412009007	fully automatic, open without pressure	Die cast zinc with window
R412009008	fully automatic, closed without pressure	Die cast zinc with window
R412009009	semi-automatic, open without pressure	Polycarbonate

Part No.	Condensate drain	Reservoir
R412009010	fully automatic, open without pressure	Polycarbonate
R412009011	fully automatic, closed without pressure	Polycarbonate
R412009015	semi-automatic, open without pressure	Die cast zinc with window
R412009016	fully automatic, open without pressure	Die cast zinc with window
R412009017	fully automatic, closed without pressure	Die cast zinc with window

Part No.	Protective guard	Weight
R412009000	Polyamide	0,718 kg
R412009001	Polyamide	0,769 kg
R412009002	Polyamide	0,769 kg
R412009006	-	1,21 kg
R412009007	-	1,26 kg
R412009008	-	1,26 kg
R412009009	Polyamide	0,718 kg
R412009010	Polyamide	0,769 kg
R412009011	Polyamide	0,769 kg
R412009015	-	1,21 kg
R412009016	-	1,26 kg
R412009017	-	1,26 kg

Nominal flow Q_n with secondary pressure $p_2 = 6$ 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.

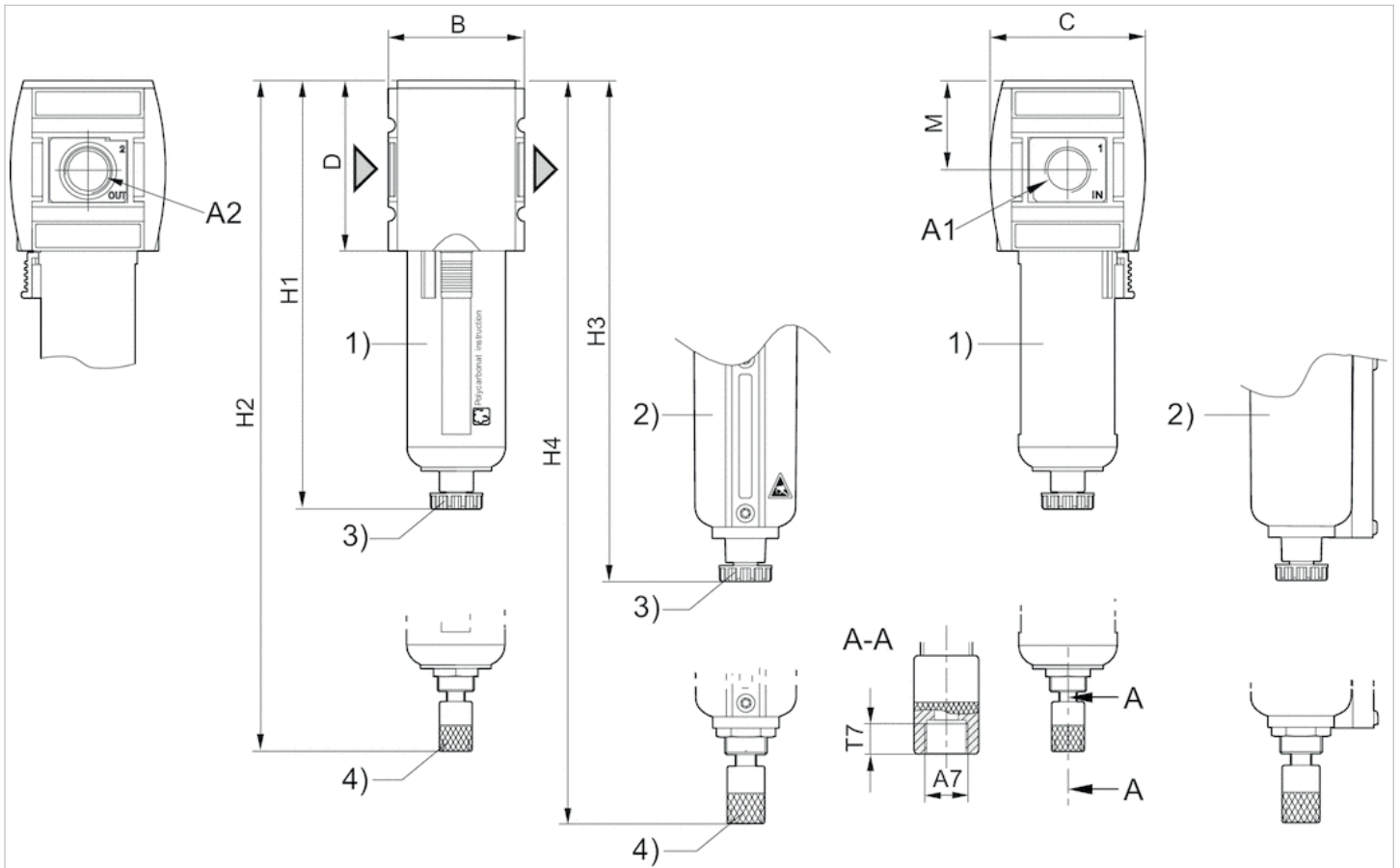
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Technical information

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

A7 = condensate drain

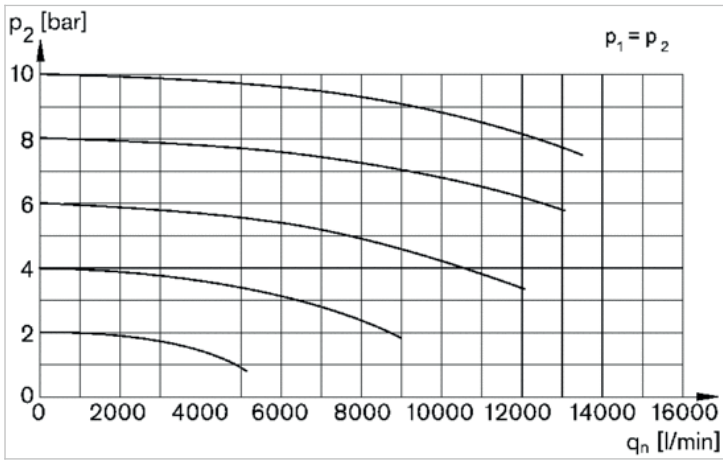
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with level indicator
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Dimensions in mm

A1	A2	A7	B	C	D	H1	H2	H3	H4	M	T7
G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58	8.5
G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58	8.5

Diagrams

Flow rate characteristic



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

Standard filter, Series AS1-FLS

- G 1/4
- Air supply left
- filter porosity 5 µm



Version	Standard filter, Can be assembled into blocks
Parts	Filter
Mounting orientation	vertical
Working pressure min./max.	1,5 ... 12 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Filter reservoir volume	16 cm ³
Filter element	exchangeable
filter porosity	5 µm
Condensate drain	See table
Weight	See table

Technical data

Part No.	Port	Qn	Condensate drain	Reservoir
R412014600	G 1/4	1000 l/min	semi-automatic, open without pressure	Polycarbonate
R412014601	G 1/4	1000 l/min	fully automatic, open without pressure	Polycarbonate
R412014602	G 1/4	1000 l/min	fully automatic, closed without pressure	Polycarbonate
R412014603	G 1/4	1000 l/min	semi-automatic, open without pressure	Polycarbonate
R412014604	G 1/4	1000 l/min	semi-automatic, open without pressure	metal
R412014605	G 1/4	1000 l/min	fully automatic, open without pressure	metal
R412014606	G 1/4	1000 l/min	fully automatic, closed without pressure	metal

Part No.	Protective guard	Weight
R412014600	-	0,166 kg
R412014601	-	0,184 kg
R412014602	-	0,184 kg
R412014603	metal	0,193 kg
R412014604	-	0,243 kg
R412014605	-	0,255 kg
R412014606	-	0,255 kg

Technical information

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

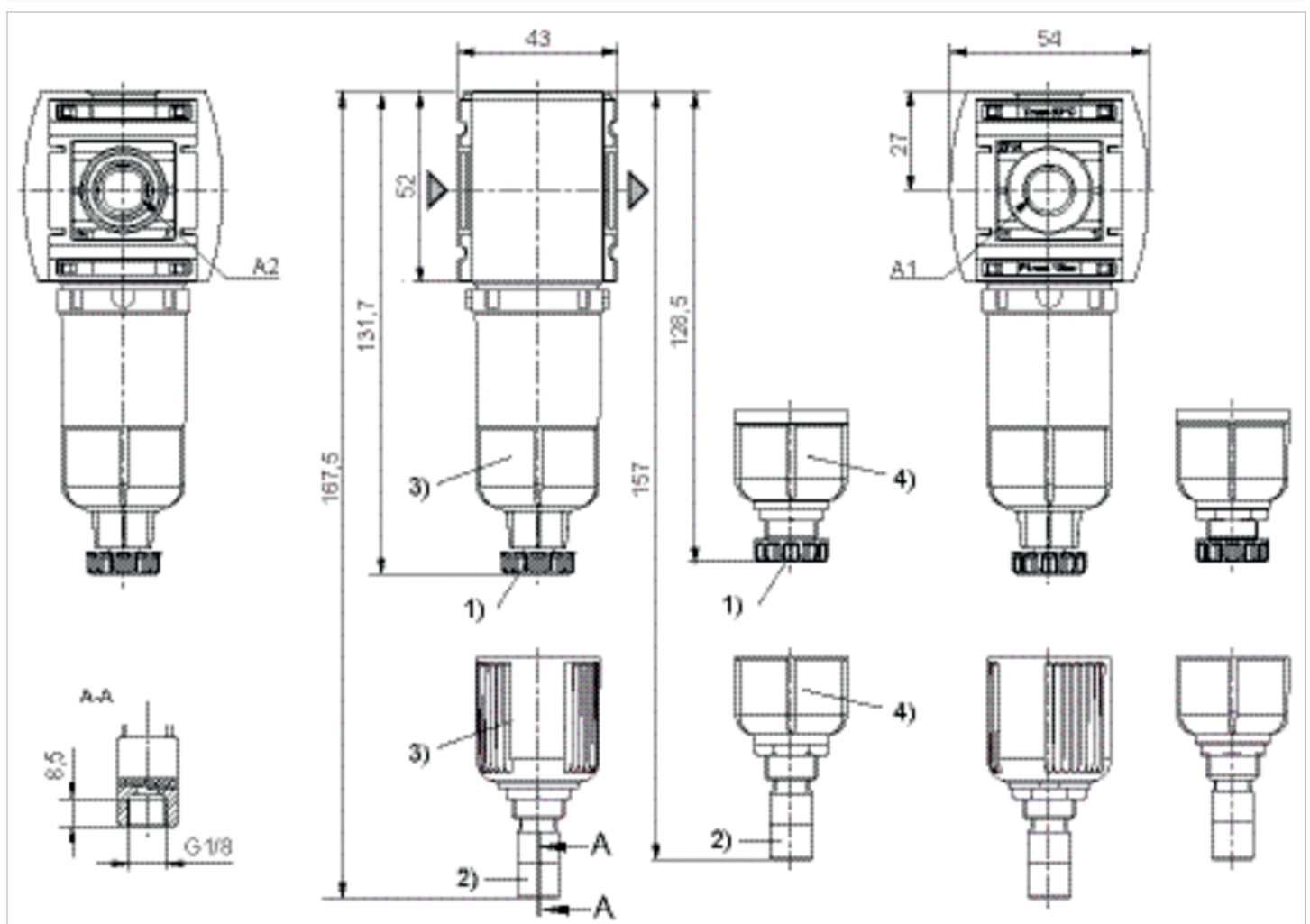
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Technical information

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

Dimensions

Dimensions



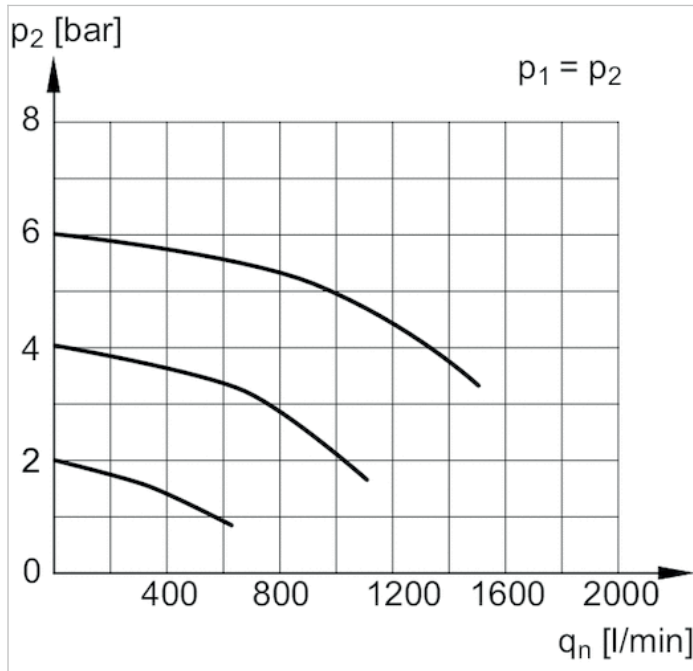
A1 = input

A2 = output

- 1) Semi-automatic condensate drain
- 2) Fully automatic condensate drain
- 3) Reservoir: polycarbonate
- 4) Reservoir: metal

Diagrams

Flow rate characteristic



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