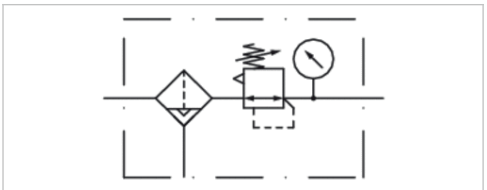
Filter pressure regulator, Series AS2-FRE

- 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 cm³
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 Qn	Working pressure min./max.	Adjustment range min./max.
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 Δp = 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.

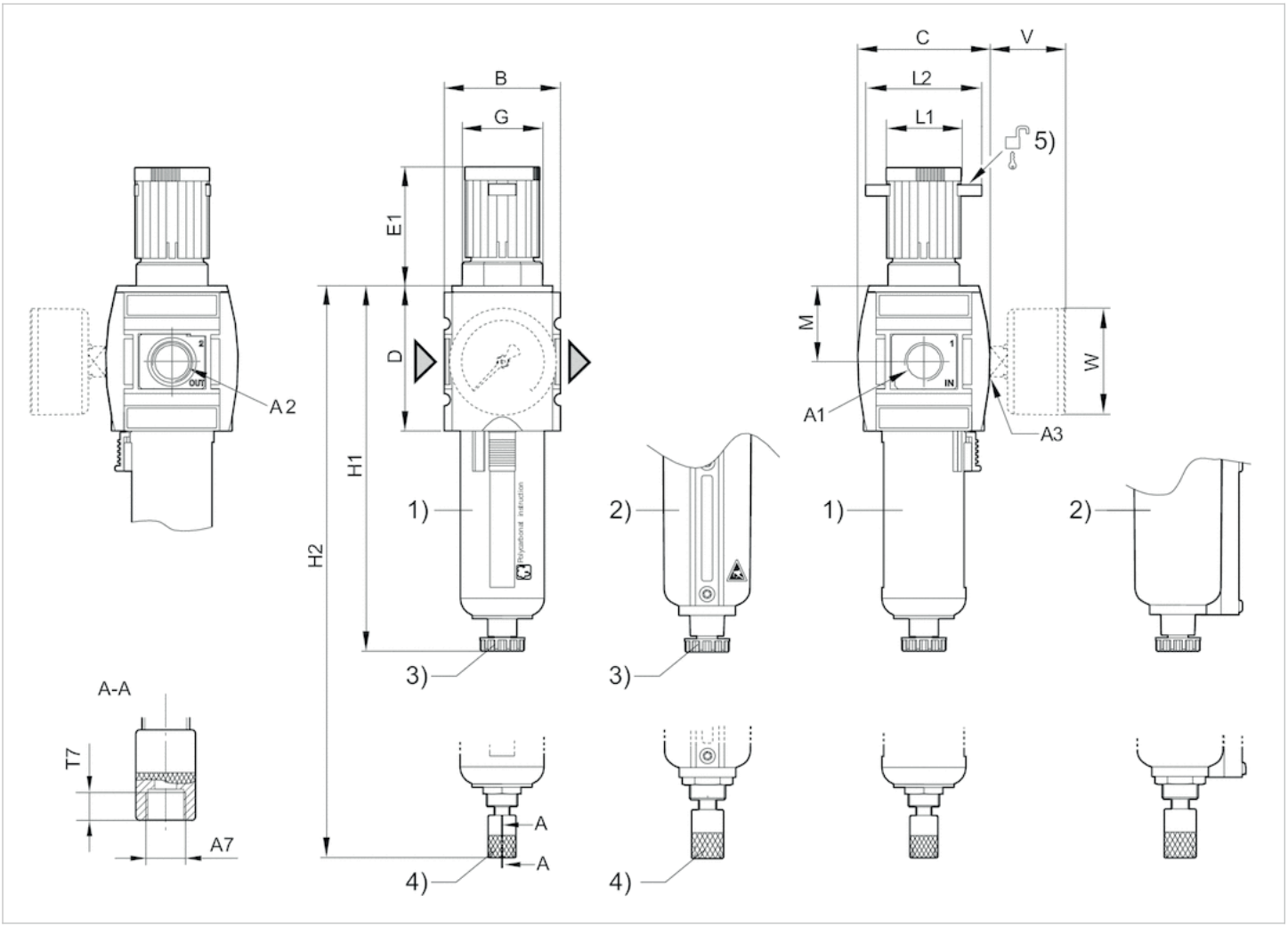
Max. residual oil content acc. to ISO 8573-1 at the outlet 10 mg/m³

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



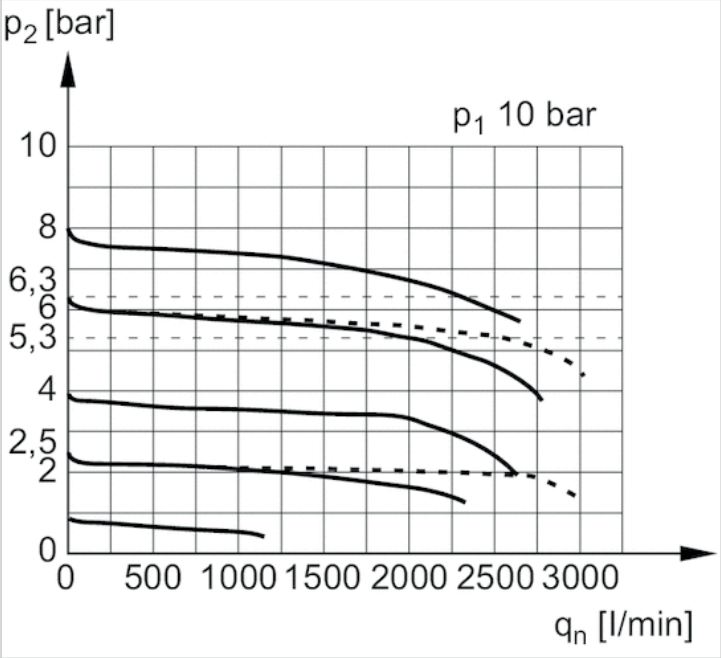
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Mounting option for padlocks; max. shackle Ø 8

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

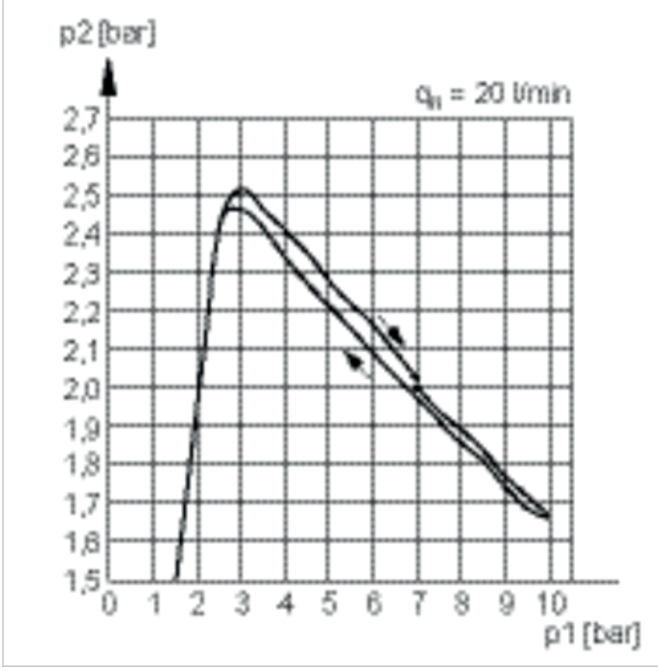
Diagrams

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

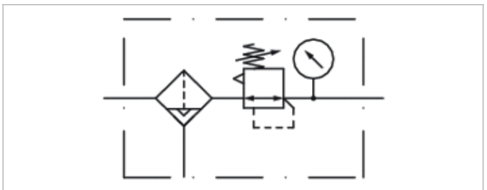
Pressure characteristics curve Version with safe rear exhaust in case of drop (removal) of pilot



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Filter pressure regulator, Series AS3-FRE

- G 3/8 G 1/2
- 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
Nominal flow Qn	5100 l/min
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	49 cm³
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	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007201	G 3/8	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007202	G 3/8	5100 l/min	0 ... 16 bar	0,5 ... 8 bar
R412007206	G 3/8	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007207	G 3/8	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007208	G 3/8	5100 l/min	0 ... 16 bar	0,5 ... 8 bar
R412007209	G 1/2	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007237	G 1/2	5100 l/min	1,5 ... 16 bar	0,5 ... 16 bar
R412007210	G 1/2	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007211	G 1/2	5100 l/min	0 ... 16 bar	0,5 ... 8 bar
R412007215	G 1/2	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007216	G 1/2	5100 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412007217	G 1/2	5100 l/min	0 ... 16 bar	0,5 ... 8 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412007200	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,658 kg
R412007201	fully automatic, open without pressure	Polycarbonate	Polyamide	0,707 kg

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412007202	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,707 kg
R412007206	semi-automatic, open without pressure	Die cast zinc	-	0,89 kg
R412007207	fully automatic, open without pressure	Die cast zinc	-	0,943 kg
R412007208	fully automatic, closed without pressure	Die cast zinc	-	0,943 kg
R412007209	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,658 kg
R412007237	fully automatic, open without pressure	Polycarbonate	Polyamide	0,658 kg
R412007210	fully automatic, open without pressure	Polycarbonate	Polyamide	0,707 kg
R412007211	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,707 kg
R412007215	semi-automatic, open without pressure	Die cast zinc	-	0,87 kg
R412007216	fully automatic, open without pressure	Die cast zinc	-	0,922 kg
R412007217	fully automatic, closed without pressure	Die cast zinc	-	0,922 kg

Pressure gauge enclosed separately, Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 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.

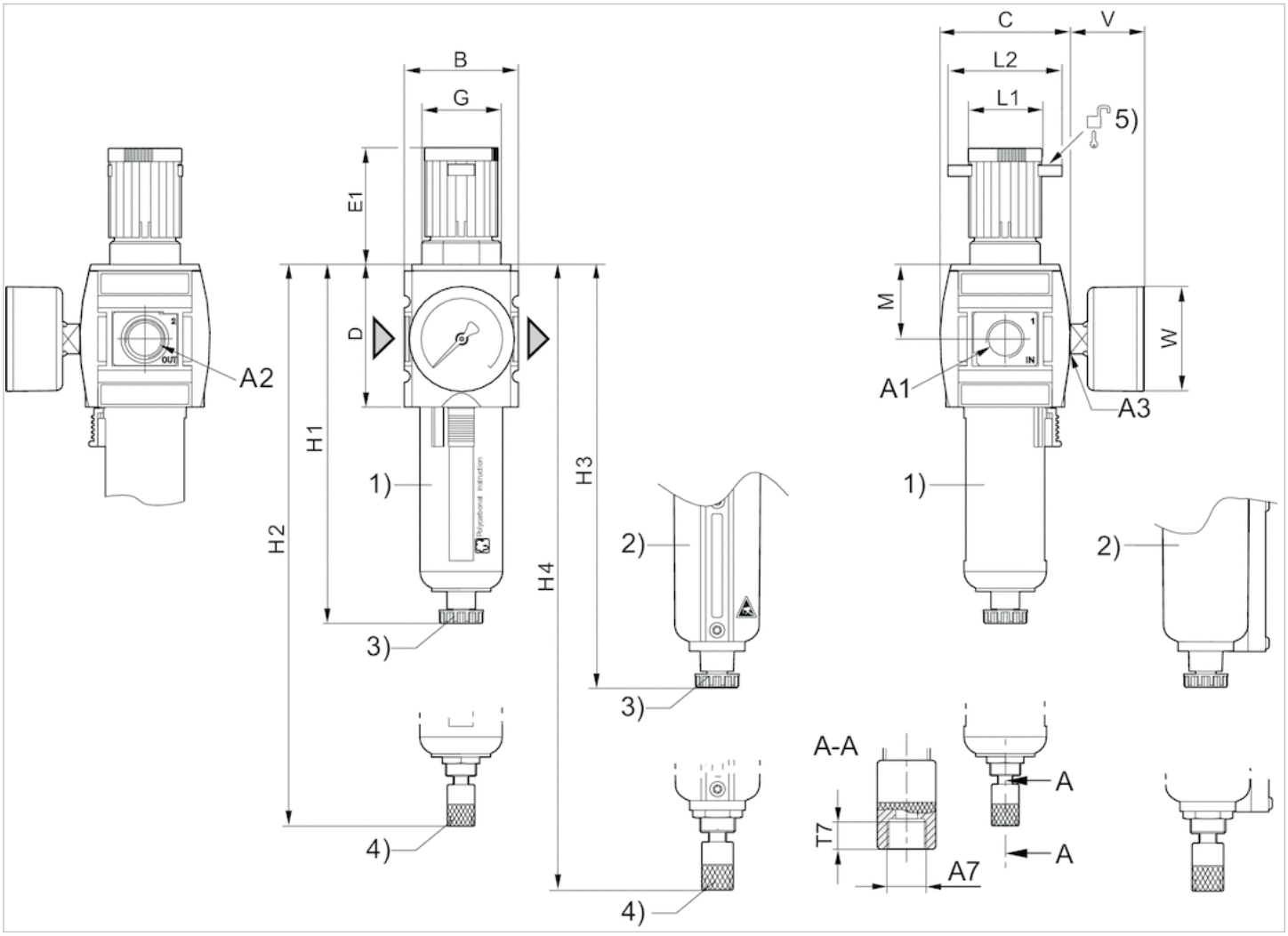
Max. residual oil content acc. to ISO 8573-1 at the outlet 10 mg/m³

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



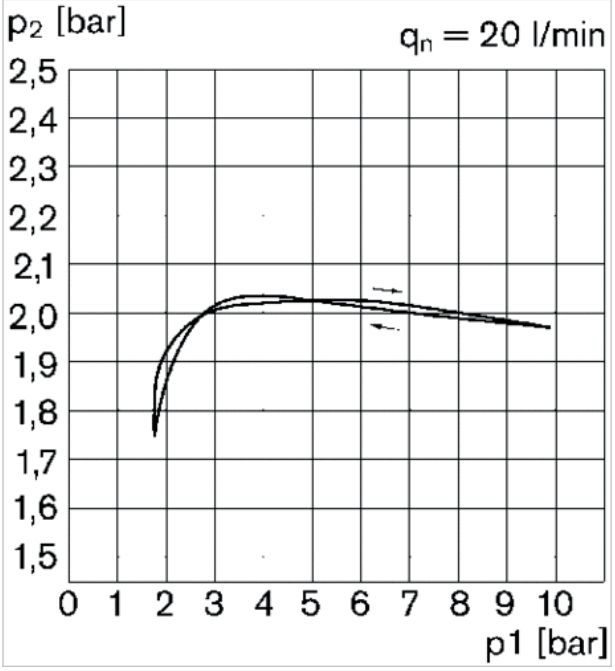
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Mounting option for padlocks; max. shackle Ø 8

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

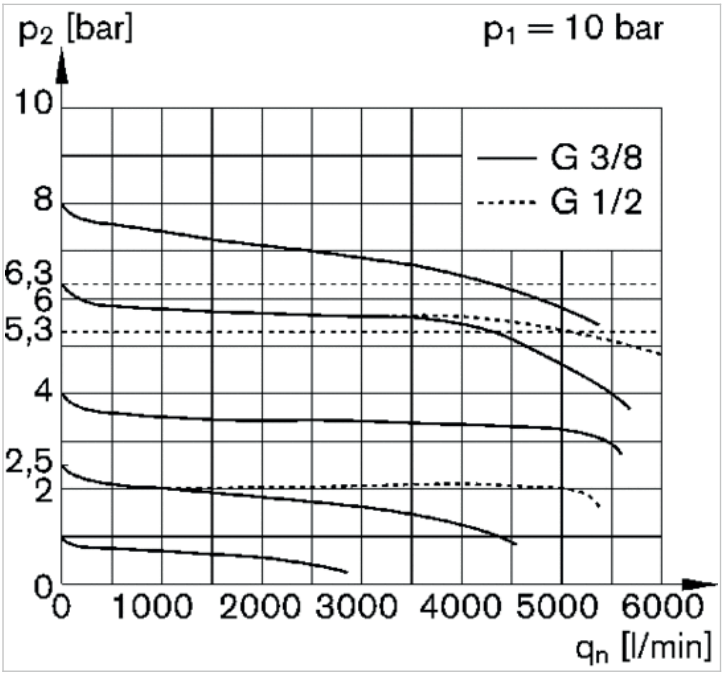
Diagrams

Pressure characteristics curve



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Flow rate characteristic (p2: 05 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Filter pressure regulator, Series AS5-FRE

- G 3/4 G 1
- filter porosity 5 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 below
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	14000 l/min
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	87 cm³
Filter element	exchangeable
Condensate drain	See table below
Max. Internal air consumption	1,5 l/min
Weight	See table below

Technical data

Part No.			Port	Flow Qn	Working pressure min./max.	Adjustment range min./max.
R412009200			G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009201			G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009202			G 3/4	14000 l/min	0 ... 16 bar	0,5 ... 8 bar
R412009206			G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009207			G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009208			G 3/4	14000 l/min	0 ... 16 bar	0,5 ... 10 bar
R412009175		–	G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009176		–	G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009177		–	G 3/4	14000 l/min	0 ... 16 bar	0,5 ... 8 bar
R412009193		–	G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009194		–	G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009195		–	G 3/4	14000 l/min	0 ... 16 bar	0,5 ... 10 bar
R412009181		–	G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009182		–	G 3/4	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009183		–	G 3/4	14000 l/min	0 ... 16 bar	0,5 ... 8 bar
R412009209			G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009210			G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar

Part No.			Port	Flow Qn	Working pressure min./max.	Adjustment range min./max.
R412009211			G 1	14000 l/min	0 ... 16 bar	0,5 ... 8 bar
R412009215			G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009216			G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009217			G 1	14000 l/min	0 ... 16 bar	0,5 ... 10 bar
R412009184		–	G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009185		–	G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009186		–	G 1	14000 l/min	0 ... 16 bar	0,5 ... 8 bar
R412009190		–	G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009191		–	G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 8 bar
R412009192		–	G 1	14000 l/min	0 ... 16 bar	0,5 ... 8 bar
R412009196		–	G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009197		–	G 1	14000 l/min	1,5 ... 16 bar	0,5 ... 10 bar
R412009198		–	G 1	14000 l/min	0 ... 16 bar	0,5 ... 10 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight	
R412009200	semi-automatic, open without pressure	Polycarbonate	Polyamide	1,08 kg	1)
R412009201	fully automatic, open without pressure	Polycarbonate	Polyamide	1,13 kg	1)
R412009202	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,13 kg	1)
R412009206	semi-automatic, open without pressure	Die cast zinc	-	1,57 kg	1)
R412009207	fully automatic, open without pressure	Die cast zinc	-	1,62 kg	1)
R412009208	fully automatic, closed without pressure	Die cast zinc	-	1,62 kg	1)
R412009175	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,99 kg	2)
R412009176	fully automatic, open without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009177	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009193	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,99 kg	2)
R412009194	fully automatic, open without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009195	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009181	semi-automatic, open without pressure	Die cast zinc	-	1,48 kg	2)
R412009182	fully automatic, open without pressure	Die cast zinc	-	1,53 kg	2)
R412009183	fully automatic, closed without pressure	Die cast zinc	-	1,53 kg	2)
R412009209	semi-automatic, open without pressure	Polycarbonate	Polyamide	1,08 kg	1)
R412009210	fully automatic, open without pressure	Polycarbonate	Polyamide	1,13 kg	1)
R412009211	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,13 kg	1)
R412009215	semi-automatic, open without pressure	Die cast zinc	-	1,57 kg	1)
R412009216	fully automatic, open without pressure	Die cast zinc	-	1,62 kg	1)
R412009217	fully automatic, closed without pressure	Die cast zinc	-	1,62 kg	1)
R412009184	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,99 kg	2)
R412009185	fully automatic, open without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009186	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009190	semi-automatic, open without pressure	Die cast zinc	-	1,48 kg	2)
R412009191	fully automatic, open without pressure	Die cast zinc	-	1,53 kg	2)
R412009192	fully automatic, closed without pressure	Die cast zinc	-	1,53 kg	2)
R412009196	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,99 kg	2)
R412009197	fully automatic, open without pressure	Polycarbonate	Polyamide	1,04 kg	2)
R412009198	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,04 kg	2)

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

1) Pressure gauge enclosed separately, Suitable for use in Ex zones 1, 2, 21, 22

2) Order pressure gauge separately, Suitable for use in Ex zones 1, 2, 21, 22

Technical information

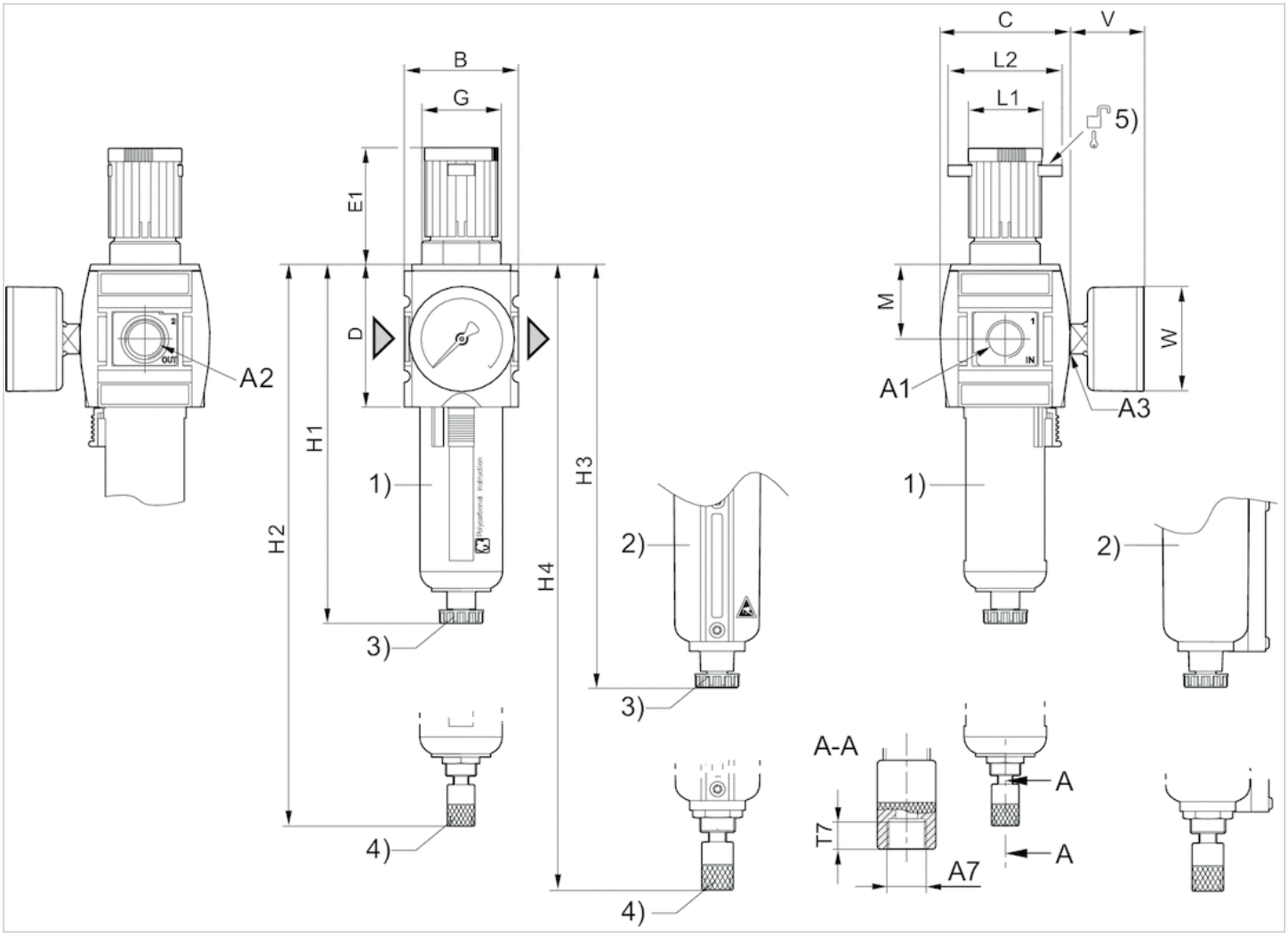
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
Suitable for use in Ex zones 1, 2, 21, 22
A change in the flow direction (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.

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



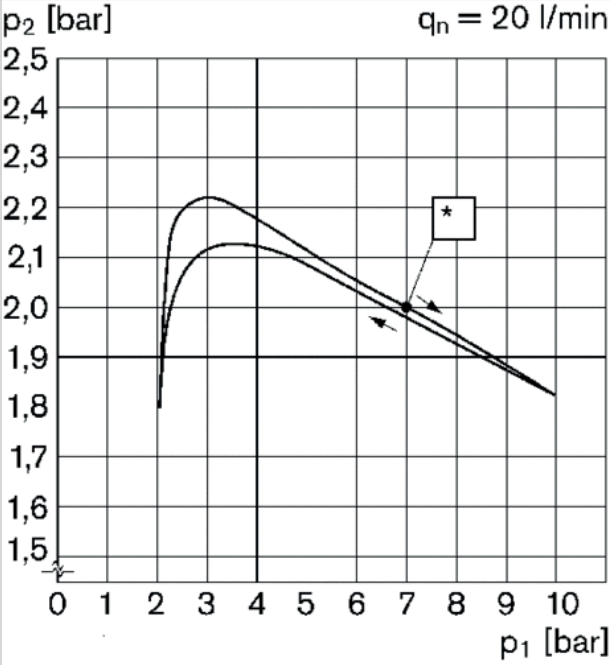
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Mounting option for padlocks; max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	H3	H4	L1	L2	M	T7	V	W
G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250	206	193.5	210.5	41	60	58	8.5	38	63
G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250	206	193.5	210.5	41	60	58	8.5	38	63

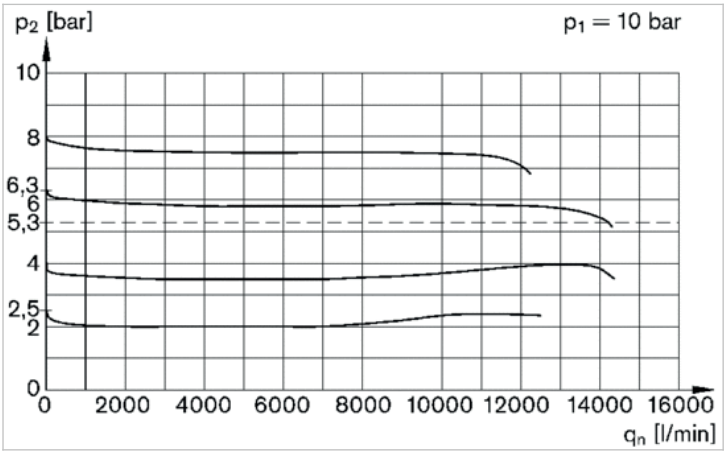
Diagrams

Pressure characteristics curve



p1 = working pressure
p2 = secondary pressure
qn = nominal flow
* starting point

Flow rate characteristic (setting range p2: 0.5 - 8 bar)



p1 = working pressure
p2 = secondary pressure
qn = nominal flow

Filter pressure regulator, Series AS1-FRE

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

Version	1-in-1, Can be assembled into blocks
Parts	Filter pressure regulator
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
Nominal flow Qn	1000 l/min
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	16 cm³
Filter element	exchangeable
Condensate drain	See table below
Weight	See table below

Technical data

Part No.			Port	Flow Qn	Adjustment range min./max.
R412014645			G 1/4	1000 l/min	0,5 ... 8 bar
R412014646			G 1/4	1000 l/min	0,5 ... 8 bar
R412014647			G 1/4	1000 l/min	0,5 ... 8 bar
R412014648			G 1/4	1000 l/min	0,5 ... 8 bar
R412014649			G 1/4	1000 l/min	0,5 ... 8 bar
R412014650			G 1/4	1000 l/min	0,5 ... 8 bar
R412014651			G 1/4	1000 l/min	0,5 ... 8 bar
R412014652		–	G 1/4	1000 l/min	0,5 ... 8 bar
R412014653		–	G 1/4	1000 l/min	0,5 ... 8 bar
R412014654		–	G 1/4	1000 l/min	0,5 ... 8 bar
R412014655			G 1/4	1000 l/min	0,5 ... 10 bar
R412014656			G 1/4	1000 l/min	0,5 ... 10 bar
R412014657			G 1/4	1000 l/min	0,5 ... 10 bar
R412014658			G 1/4	1000 l/min	0,5 ... 10 bar
R412014659			G 1/4	1000 l/min	0,5 ... 10 bar
R412014660			G 1/4	1000 l/min	0,5 ... 10 bar
R412014661			G 1/4	1000 l/min	0,5 ... 10 bar

Part No.	Condensate drain	Max. pressure gauge Ø in blocked state
R412014645	semi-automatic, open without pressure	-
R412014646	fully automatic, open without pressure	-

Part No.	Condensate drain	Max. pressure gauge Ø in blocked state
R412014647	fully automatic, closed without pressure	-
R412014648	semi-automatic, open without pressure	-
R412014649	semi-automatic, open without pressure	-
R412014650	fully automatic, open without pressure	-
R412014651	fully automatic, closed without pressure	-
R412014652	semi-automatic, open without pressure	40 mm
R412014653	fully automatic, open without pressure	40 mm
R412014654	fully automatic, closed without pressure	40 mm
R412014655	semi-automatic, open without pressure	-
R412014656	fully automatic, open without pressure	-
R412014657	fully automatic, closed without pressure	-
R412014658	semi-automatic, open without pressure	-
R412014659	semi-automatic, open without pressure	-
R412014660	fully automatic, open without pressure	-
R412014661	fully automatic, closed without pressure	-

Part No.	Reservoir	Protective guard	Weight	Fig.	
R412014645	Polycarbonate	-	0,241 kg	Fig. 1	1)
R412014646	Polycarbonate	-	0,259 kg	Fig. 1	1)
R412014647	Polycarbonate	-	0,259 kg	Fig. 1	1)
R412014648	Polycarbonate	metal	0,274 kg	Fig. 1	1)
R412014649	Die cast zinc	-	0,318 kg	Fig. 1	1)
R412014650	Die cast zinc	-	0,33 kg	Fig. 1	1)
R412014651	Die cast zinc	-	0,33 kg	Fig. 1	1)
R412014652	Polycarbonate	-	0,238 kg	Fig. 2	2)
R412014653	Polycarbonate	-	0,256 kg	Fig. 2	2)
R412014654	Polycarbonate	-	0,256 kg	Fig. 2	2)
R412014655	Polycarbonate	-	0,241 kg	Fig. 1	1)
R412014656	Polycarbonate	-	0,259 kg	Fig. 1	1)
R412014657	Polycarbonate	-	0,259 kg	Fig. 1	1)
R412014658	Polycarbonate	metal	0,274 kg	Fig. 1	1)
R412014659	Die cast zinc	-	0,318 kg	Fig. 1	1)
R412014660	Die cast zinc	-	0,33 kg	Fig. 1	1)
R412014661	Die cast zinc	-	0,33 kg	Fig. 1	1)

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

1) regulator with pressure gauge

2) Order pressure gauge separately

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

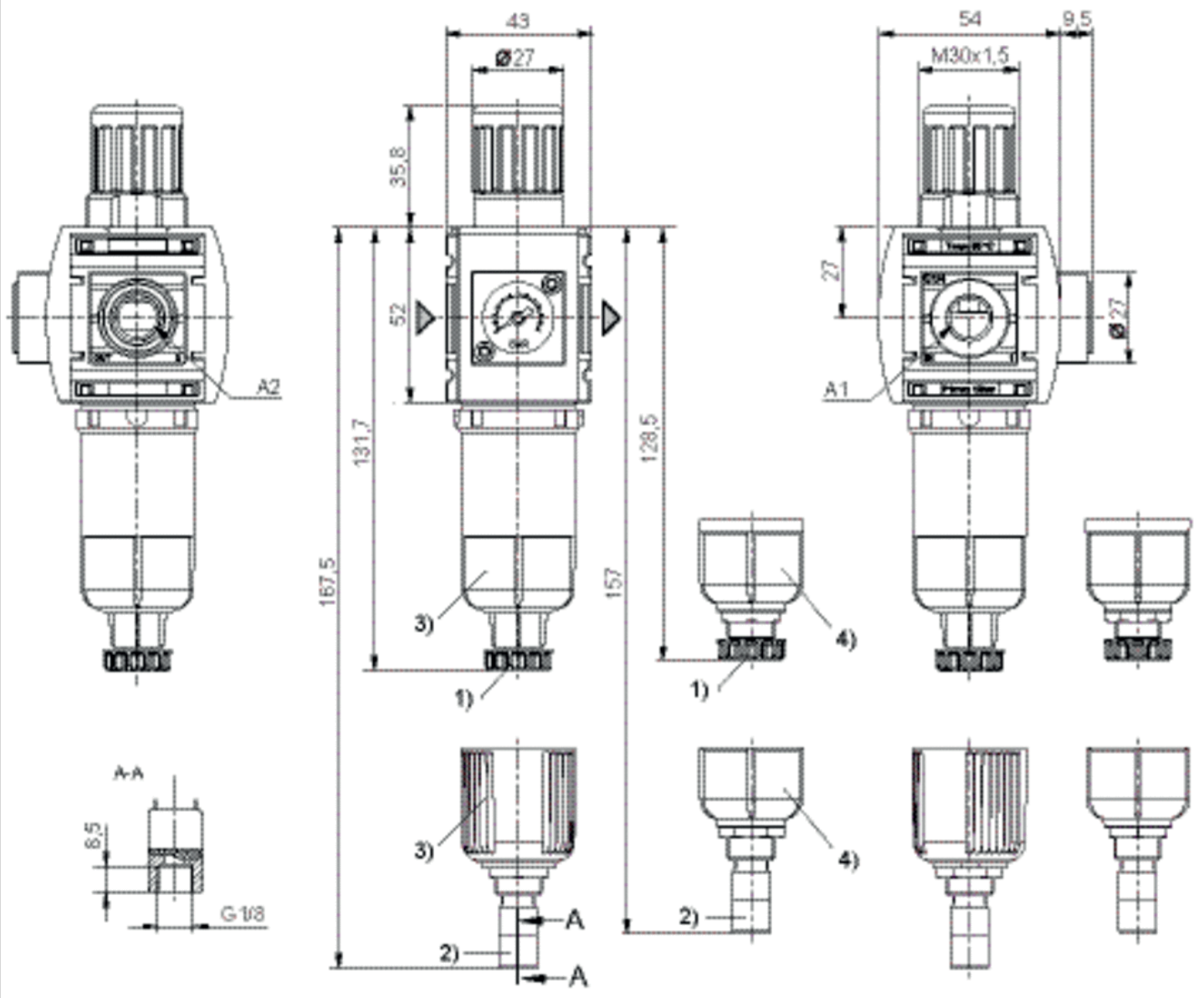
solid impurities in the compressed air at the outlet as per ISO 8573-1 class 6

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	metal
Filter insert	Cellpor

Dimensions

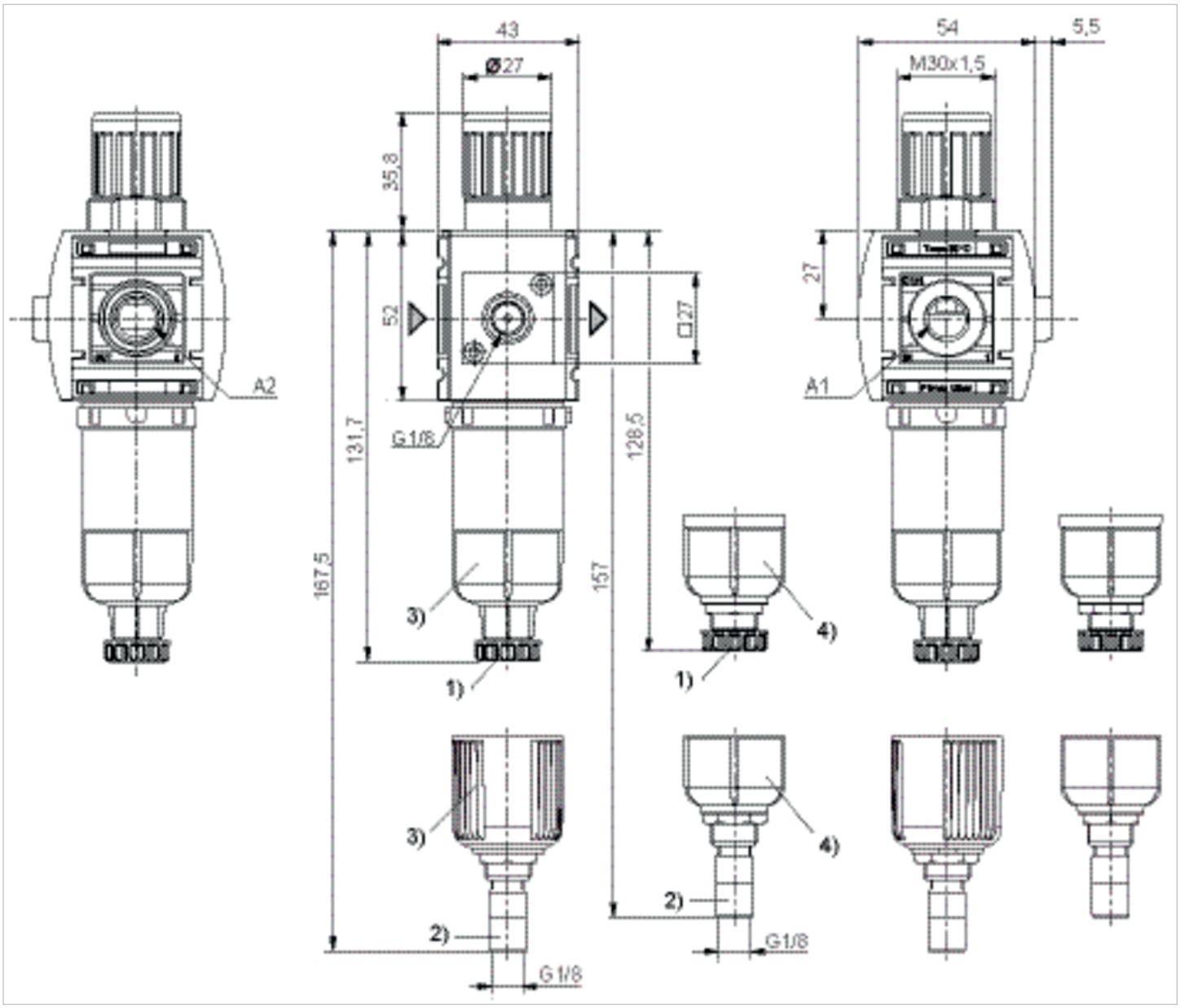
Dimensions Fig. 1



A1 = input

A2 = output
1) Semi-automatic condensate drain
2) Fully automatic condensate drain
3) Reservoir: polycarbonate
4) Reservoir: metal

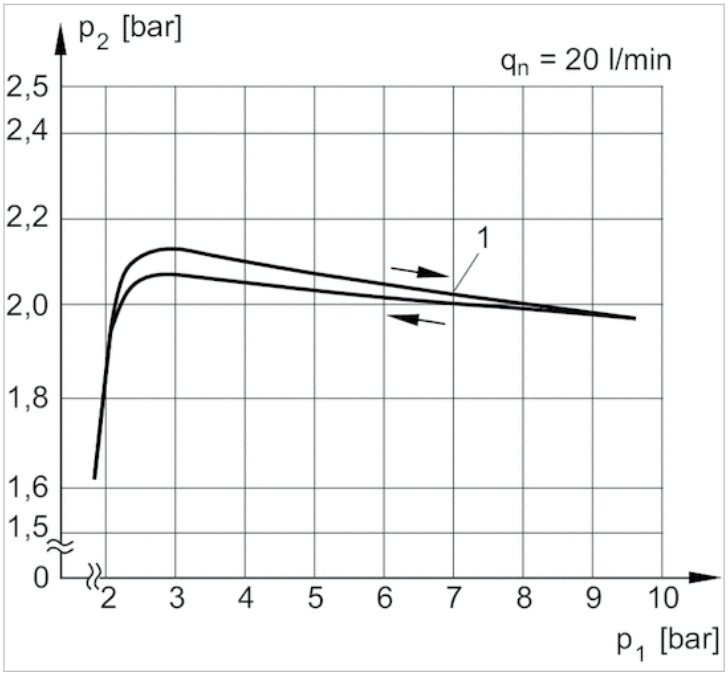
Dimensions Fig. 2



A1 = input
1) A2 = output
2) Semi-automatic condensate drain
3) Fully automatic condensate drain
4) Reservoir: polycarbonate
Reservoir: metal

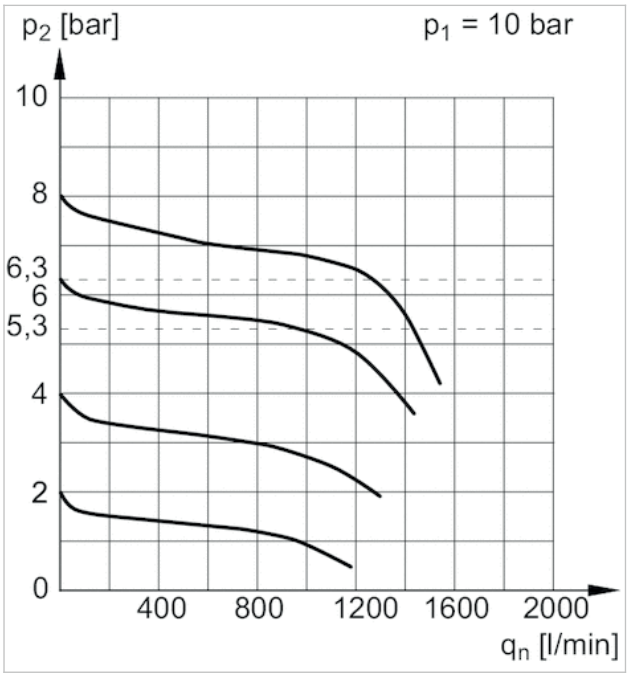
Diagrams

Pressure characteristics curve



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow
1) = Starting point

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow