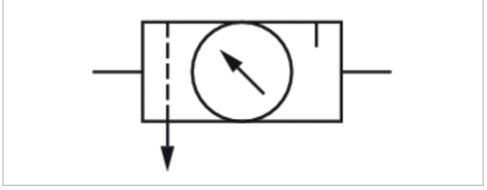
Maintenance unit, 3-part, Series AS2-ACT

- G 1/4
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX



Version	3-part, Can be assembled into blocks
Parts	Pressure regulator, Filter, Lubricator
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
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	28 cm³
Filter element	exchangeable
Condensate drain	See table
Lubricator reservoir volume	40 cm³
Type of filling	Manual oil filling Semi-automatic oil filling during operation
Weight	See table

Technical data

Part No.	Port	Flow Qn	Working pressure min./max.
R412006318	G 1/4	1400 l/min	1,5 ... 16 bar
R412006324	G 1/4	1400 l/min	1,5 ... 16 bar
R412006319	G 1/4	1400 l/min	1,5 ... 16 bar
R412006325	G 1/4	1400 l/min	1,5 ... 16 bar
R412006320	G 1/4	1400 l/min	0 ... 16 bar
R412006326	G 1/4	1400 l/min	0 ... 16 bar
R412006327	G 3/8	1600 l/min	1,5 ... 16 bar
R412006333	G 3/8	1600 l/min	1,5 ... 16 bar
R412006328	G 3/8	1600 l/min	1,5 ... 16 bar
R412006334	G 3/8	1600 l/min	1,5 ... 16 bar
R412006329	G 3/8	1600 l/min	0 ... 16 bar
R412006335	G 3/8	1600 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412006318	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,78 kg

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412006324	semi-automatic, open without pressure	Die cast zinc	-	0,78 kg
R412006319	fully automatic, open without pressure	Polycarbonate	Polyamide	0,825 kg
R412006325	fully automatic, open without pressure	Die cast zinc	-	0,825 kg
R412006320	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,825 kg
R412006326	fully automatic, closed without pressure	Die cast zinc	-	0,825 kg
R412006327	semi-automatic, open without pressure	Polycarbonate	Polyamide	0,78 kg
R412006333	semi-automatic, open without pressure	Die cast zinc	-	0,78 kg
R412006328	fully automatic, open without pressure	Polycarbonate	Polyamide	0,825 kg
R412006334	fully automatic, open without pressure	Die cast zinc	-	0,825 kg
R412006329	fully automatic, closed without pressure	Polycarbonate	Polyamide	0,825 kg
R412006335	fully automatic, closed without pressure	Die cast zinc	-	0,825 kg

Technical information

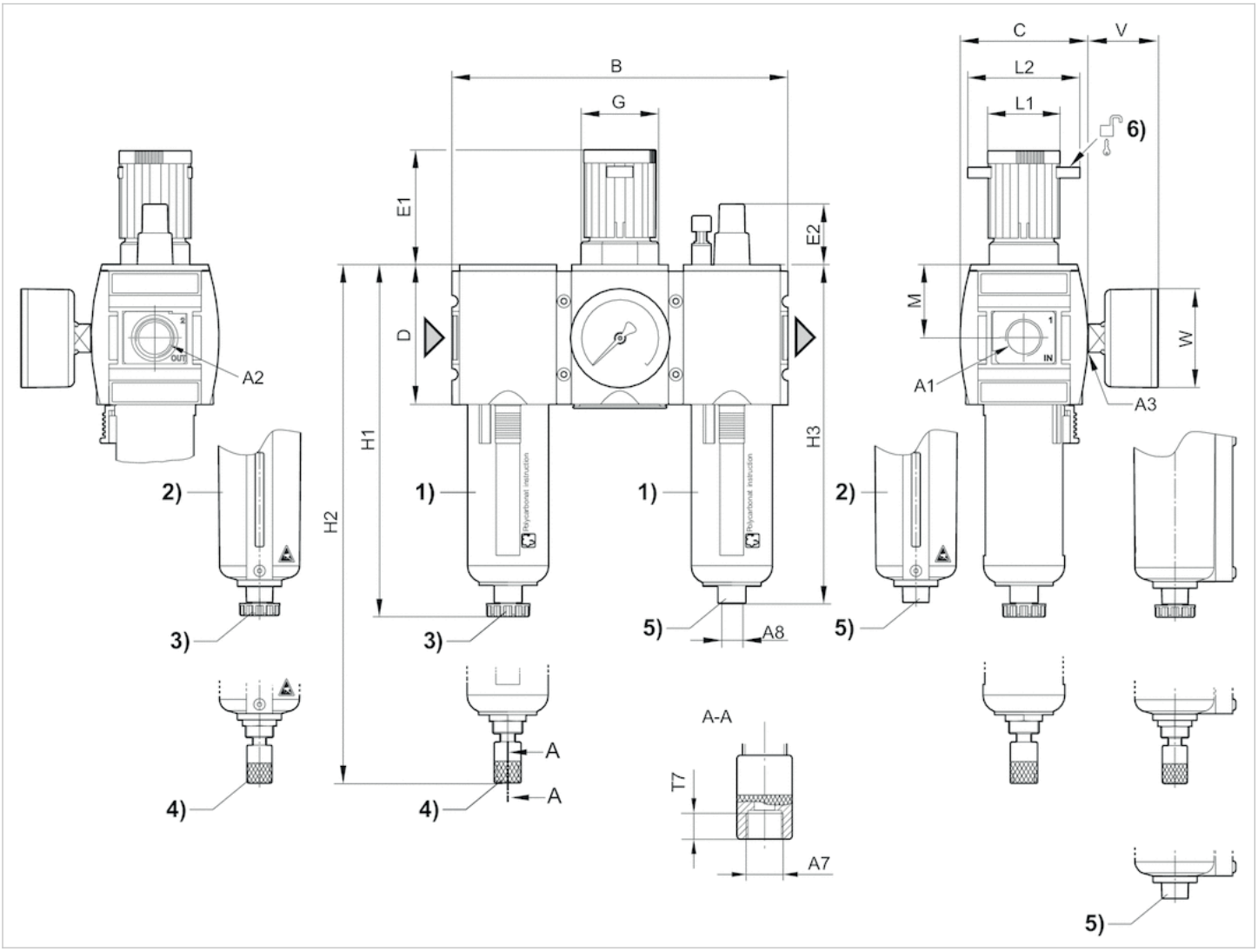
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
Suitable for use in Ex zones 1, 2, 21, 22
A change in the flow direction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

Technical information

Material	
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



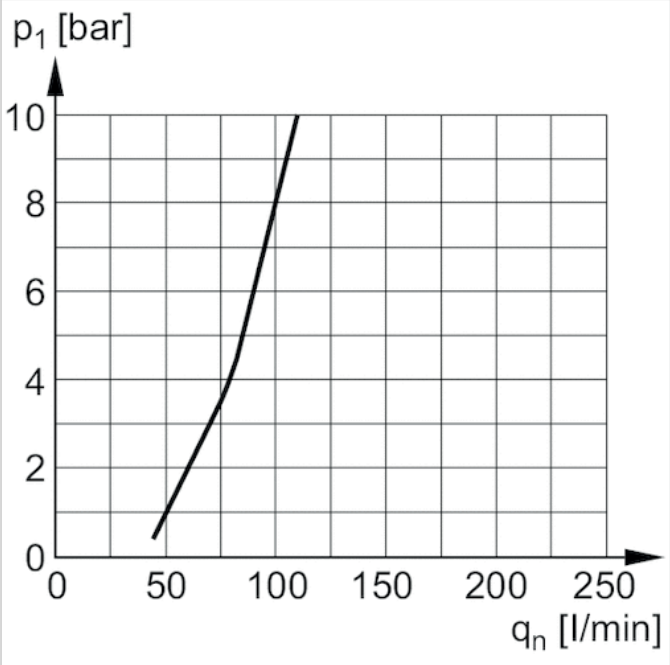
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Port for semi-automatic oil filling6) Mounting option for padlocks; max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2	H3	M	L1	L2	T7	V	W
G 1/4	G 1/4	G 1/4	G 1/8	G 1/8	156	59	65	57.9	29.5	M36x1,5	163.5	180.5	157	34	34	54	8.5	37	50
G 1/4	G 1/4	G 1/4	G 1/8	G 1/8	156	59	65	57.9	29.5	M36x1,5	163.5	180.5	157	34	34	54	8.5	37	50
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	156	59	65	57.9	29.5	M36x1,5	163.5	180.5	157	34	34	54	8.5	37	50

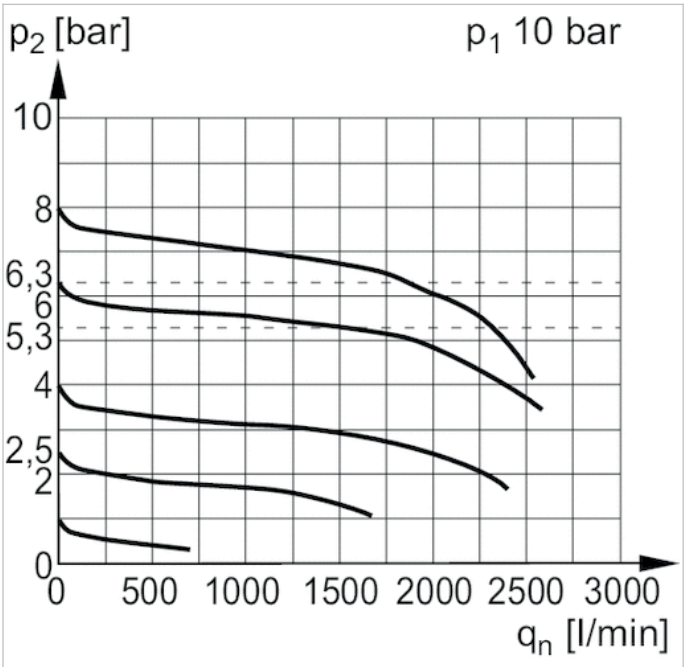
Diagrams

Lubricator activation margin



p1 = working pressureqn = nominal flow

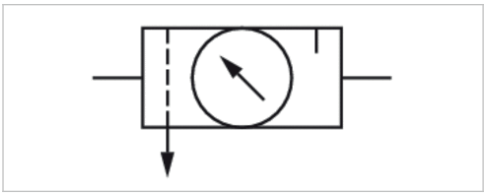
Flow rate characteristic (p2: 05 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Maintenance unit, 3-part, Series AS3-ACT

- G 3/8
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX



Version	3-part, Can be assembled into blocks
Parts	Pressure regulator, Filter, Lubricator
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
Nominal flow Qn	3500 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	49 cm³
Filter element	exchangeable
Condensate drain	See table
Lubricator reservoir volume	80 cm³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Weight	See table

Technical data

Part No.	Port	Flow	Working pressure min./max.
		Qn	
R412007318	G 3/8	3500 l/min	1,5 ... 16 bar
R412007319	G 3/8	3500 l/min	1,5 ... 16 bar
R412007320	G 3/8	3500 l/min	0 ... 16 bar
R412007324	G 3/8	3500 l/min	1,5 ... 16 bar
R412007325	G 3/8	3500 l/min	1,5 ... 16 bar
R412007326	G 3/8	3500 l/min	0 ... 16 bar
R412007327	G 1/2	3500 l/min	1,5 ... 16 bar
R412007328	G 1/2	3500 l/min	1,5 ... 16 bar
R412007329	G 1/2	3500 l/min	0 ... 16 bar
R412007333	G 1/2	3500 l/min	1,5 ... 16 bar
R412007334	G 1/2	3500 l/min	1,5 ... 16 bar
R412007335	G 1/2	3500 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir	Protective guard	Weight
R412007318	semi-automatic, open without pressure	Polycarbonate	Polyamide	1,35 kg
R412007319	fully automatic, open without pressure	Polycarbonate	Polyamide	1,4 kg
R412007320	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,4 kg
R412007324	semi-automatic, open without pressure	Die cast zinc	-	2,41 kg
R412007325	fully automatic, open without pressure	Die cast zinc	-	2,43 kg
R412007326	fully automatic, closed without pressure	Die cast zinc	-	2,44 kg
R412007327	semi-automatic, open without pressure	Polycarbonate	Polyamide	1,35 kg
R412007328	fully automatic, open without pressure	Polycarbonate	Polyamide	1,4 kg
R412007329	fully automatic, closed without pressure	Polycarbonate	Polyamide	1,4 kg
R412007333	semi-automatic, open without pressure	Die cast zinc	-	2,34 kg
R412007334	fully automatic, open without pressure	Die cast zinc	-	2,37 kg
R412007335	fully automatic, closed without pressure	Die cast zinc	-	2,39 kg

Technical information

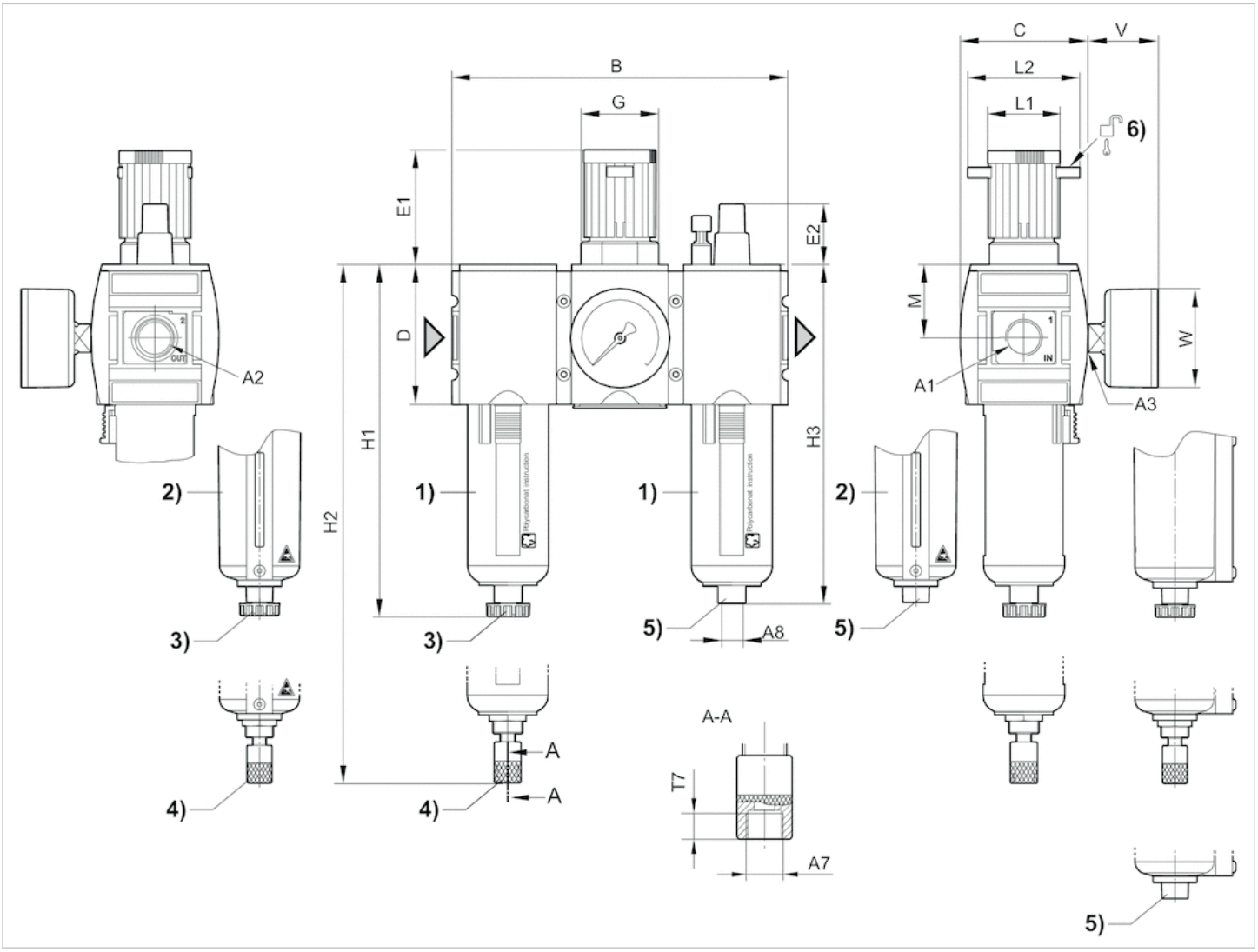
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
Suitable for use in Ex zones 1, 2, 21, 22
A change in the flow direction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

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



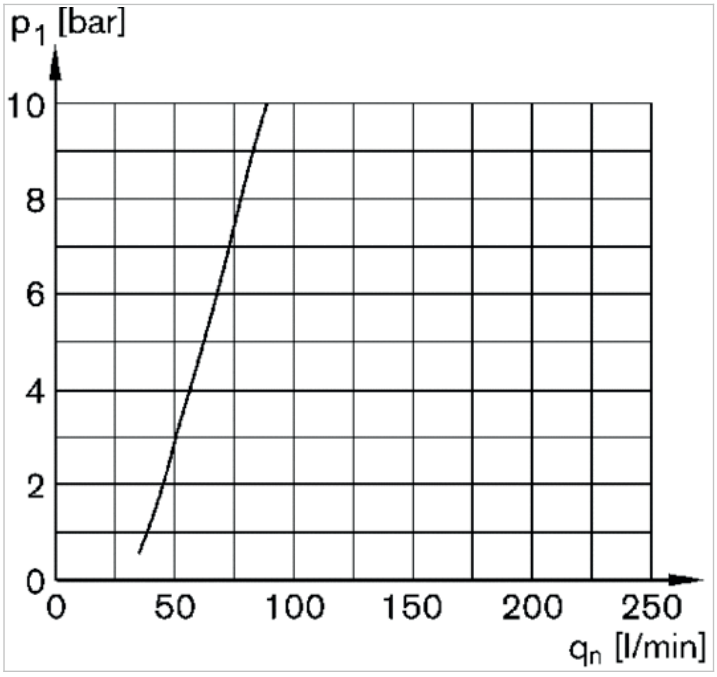
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Port for semi-automatic oil filling6) Mounting option for padlocks; max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2	H3	M	L1	L2	T7	V	W
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	189	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41	60	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	189	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41	60	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	G 1/8	189	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41	60	8.5	33	50

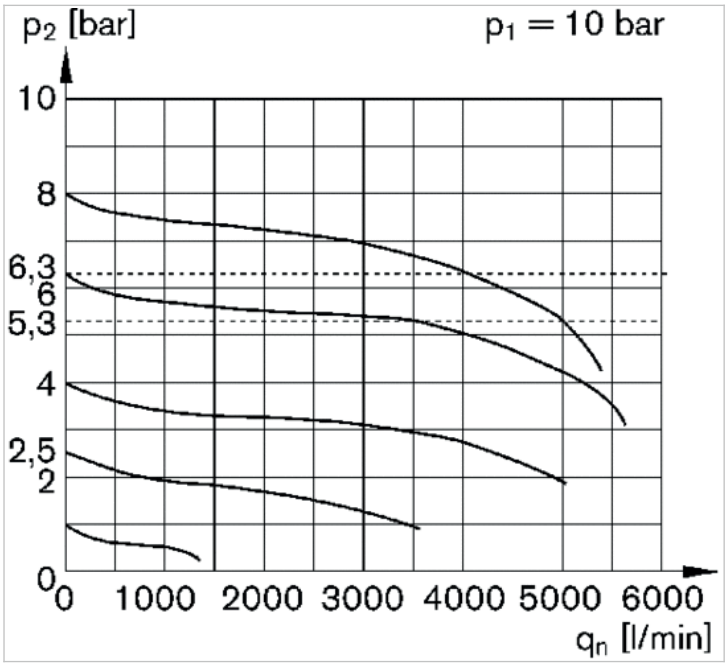
Diagrams

Lubricator activation margin



p1 = working pressureqn = nominal flow

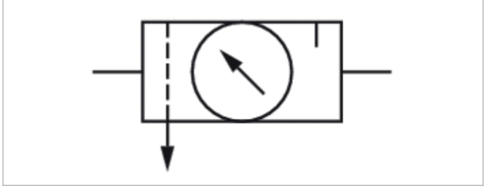
Flow rate characteristic (p2: 05 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Maintenance unit, 3-part, Series AS5-ACT

- G 3/4
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX



Version	3-part, Can be assembled into blocks
Parts	Pressure regulator, Filter, Lubricator
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
Nominal flow Qn	12300 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	87 cm³
Filter element	exchangeable
Condensate drain	See table
Lubricator reservoir volume	181 cm³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Weight	See table

Technical data

Part No.	Port	Flow	Working pressure min./max.
		Qn	
R412009320	G 3/4	12300 l/min	0 ... 16 bar
R412009318	G 3/4	12300 l/min	1,5 ... 16 bar
R412009319	G 3/4	12300 l/min	1,5 ... 16 bar
R412009329	G 1	12300 l/min	0 ... 16 bar
R412009327	G 1	12300 l/min	1,5 ... 16 bar
R412009328	G 1	12300 l/min	1,5 ... 16 bar

Part No.	Condensate drain	Weight
R412009320	fully automatic, closed without pressure	2,68 kg
R412009318	semi-automatic, open without pressure	2,63 kg
R412009319	fully automatic, open without pressure	2,68 kg
R412009329	fully automatic, closed without pressure	2,68 kg
R412009327	semi-automatic, open without pressure	2,63 kg
R412009328	fully automatic, open without pressure	2,68 kg

Technical information

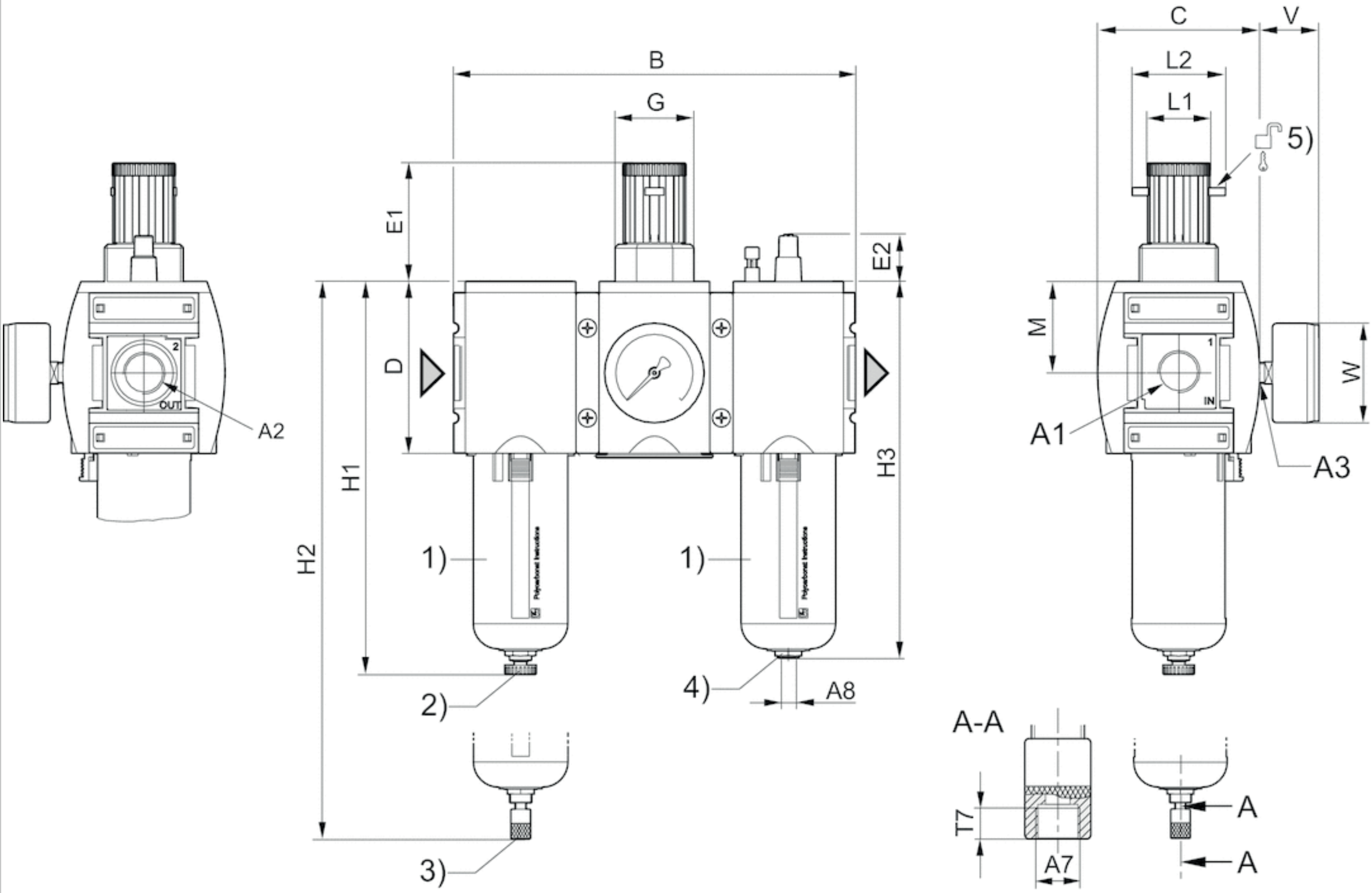
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
Suitable for use in Ex zones 1, 2, 21, 22
A change in the flow direction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

Technical information

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

Dimensions

Dimensions



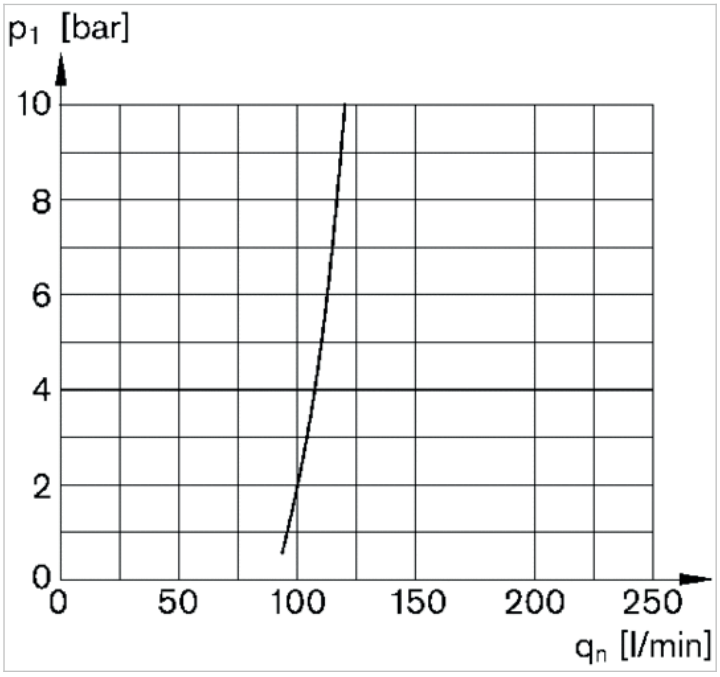
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Semi-automatic condensate drain
3) Fully automatic condensate drain
4) Port for semi-automatic oil filling
5) Mounting option for padlocks; max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2	H3	L1	L2	M	T7	V	W
G 3/4	G 3/4	G 1/4	G 1/8	G 1/8	255	103	109	75	30.5	M50x1,5	250	266	239	41	60	58	8.5	38	63
G 3/4	G 3/4	G 1/4	G 1/8	G 1/8	255	103	109	75	30.5	M50x1,5	250	266	239	41	60	58	8.5	38	63
G 3/4	G 3/4	G 1/4	G 1/8	G 1/8	255	103	109	75	30.5	M50x1,5	250	266	239	41	60	58	8.5	38	63
G 1	G 1	G 1/4	G 1/8	G 1/8	255	103	109	75	30.5	M50x1,5	250	266	239	41	60	58	8.5	38	63

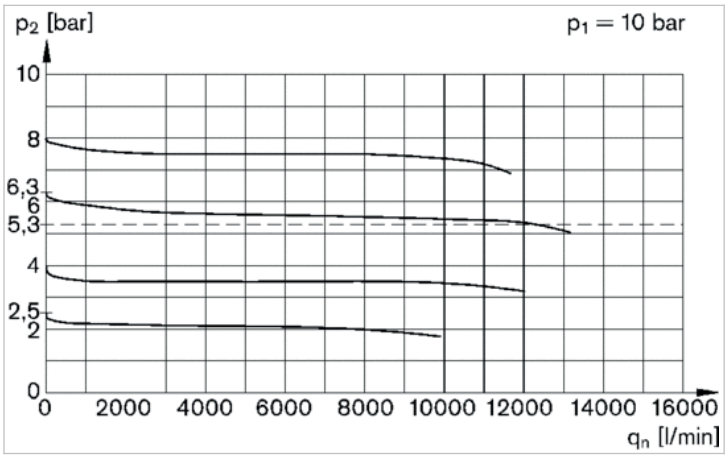
Diagrams

Lubricator activation margin



p1 = working pressureqn = nominal flow

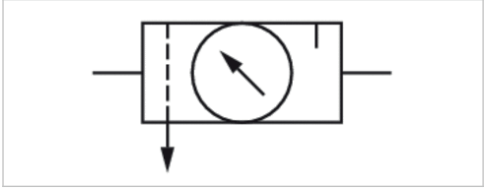
Flow rate characteristic (setting range p2: 0.5 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Maintenance unit, 3-part, Series AS1-ACT

- G 1/4
- Air supply left
- filter porosity 5 µm
- With integrated pressure gauge



Version	3-part, Can be assembled into blocks
Parts	Pressure regulator, Filter, Lubricator
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	480 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	16 cm³
Filter element	exchangeable
Condensate drain	See table below
Lubricator reservoir volume	35 cm³
Type of filling	Manual oil filling
Weight	See table below

Technical data

Part No.	Port	Flow Qn	Condensate drain	Weight
R412014675	G 1/4	480 l/min	semi-automatic, open without pressure	0,628 kg
R412014676	G 1/4	480 l/min	fully automatic, open without pressure	0,646 kg
R412014677	G 1/4	480 l/min	fully automatic, closed without pressure	0,646 kg

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

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.

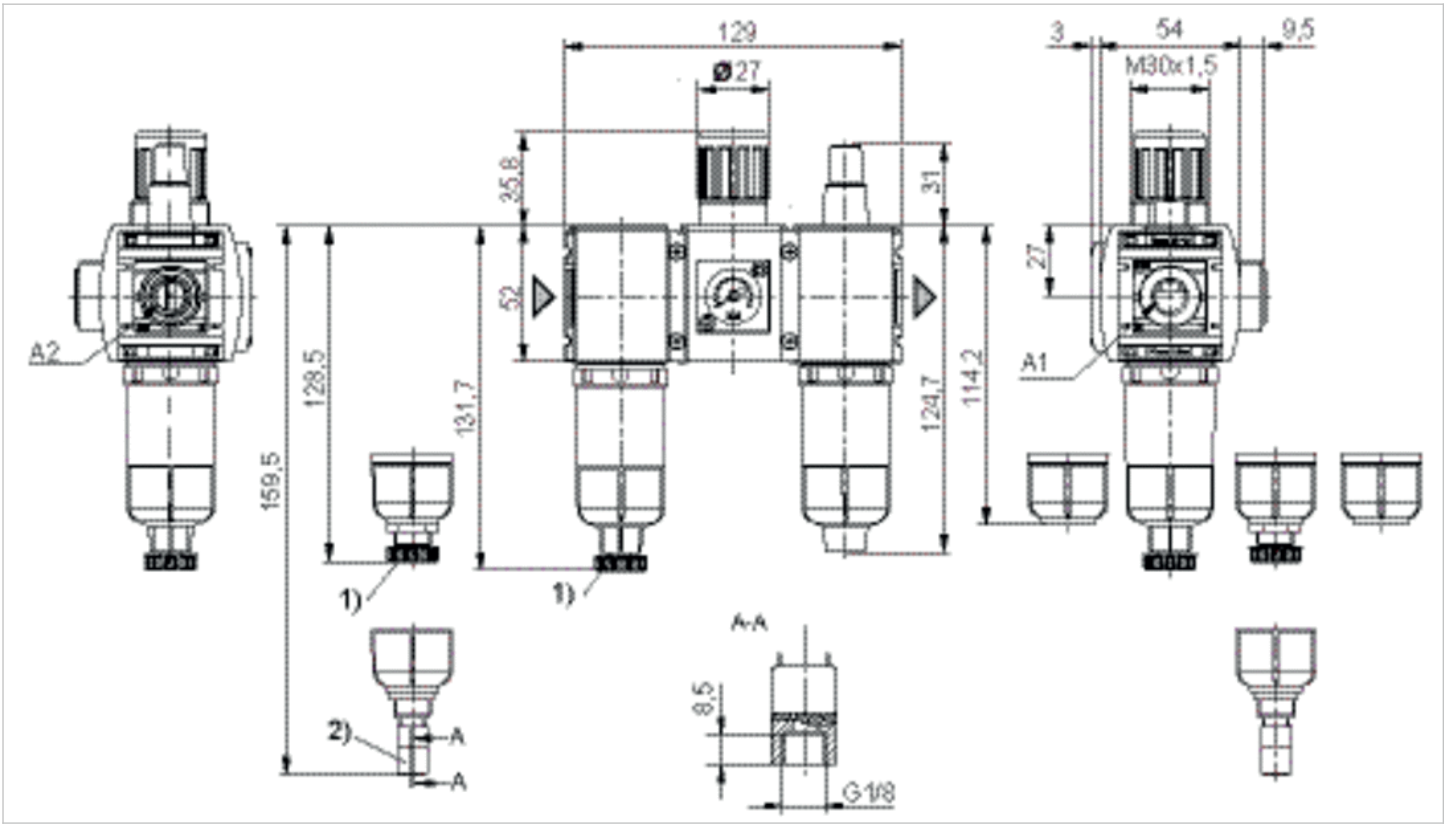
Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene

Material	
Seals	Acrylonitrile butadiene rubber
Reservoir	Polycarbonate
Filter insert	Cellpor

Dimensions

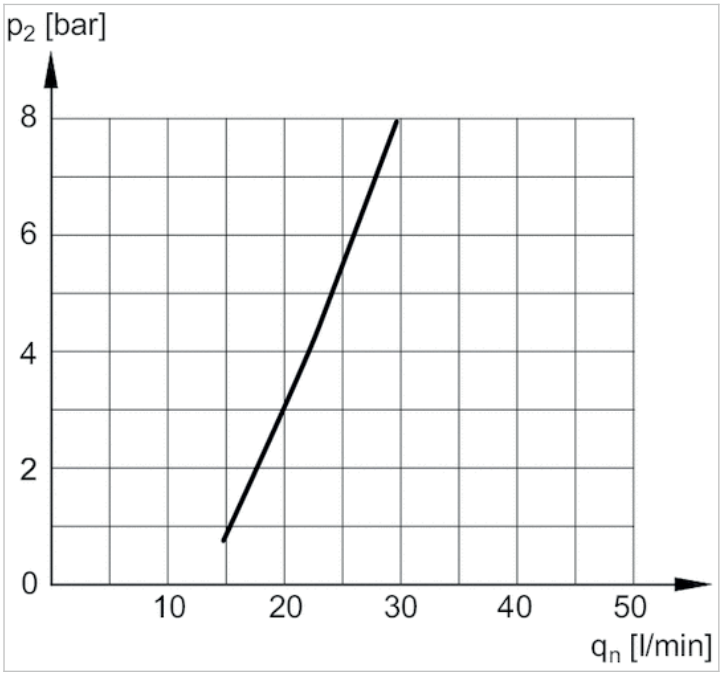
Dimensions



A1 = input
1) A2 = output
2) Semi-automatic condensate drain
Fully automatic condensate drain

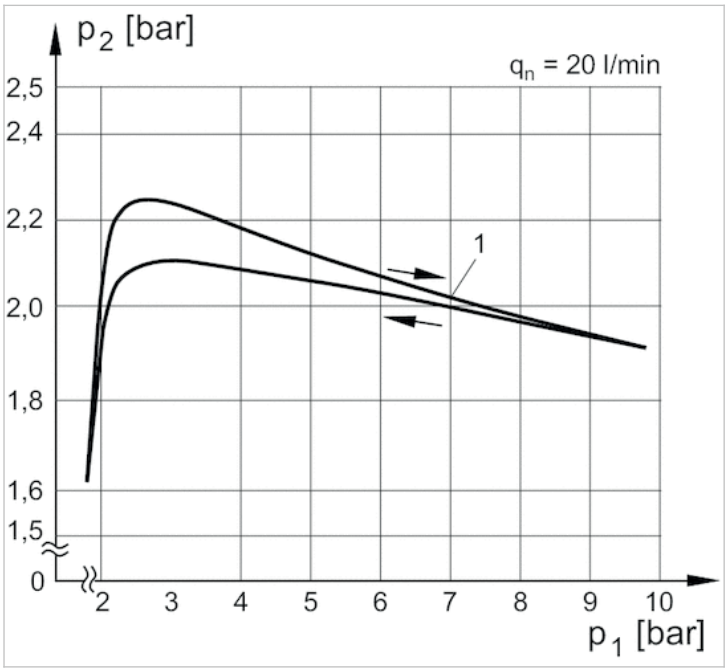
Diagrams

Lubricator activation margin



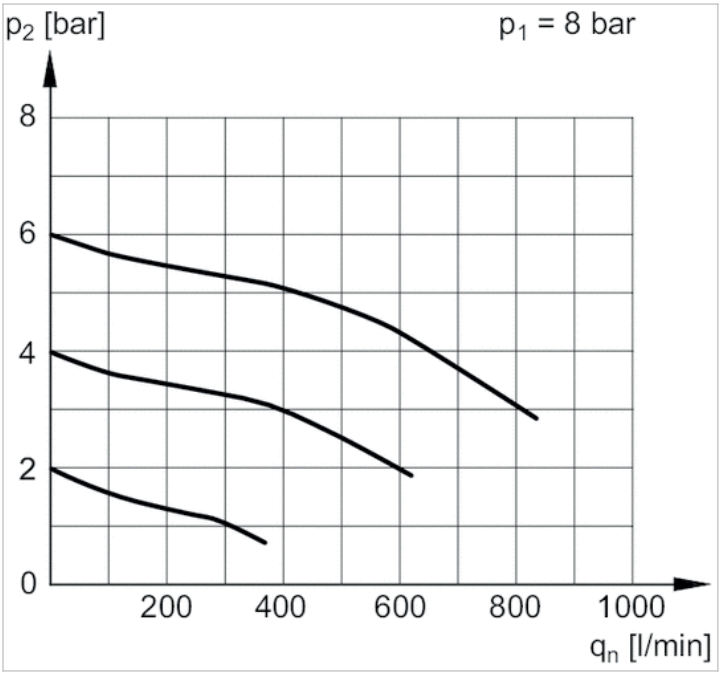
p2 = secondary pressureqn = nominal flow

Pressure characteristics curve



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

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow