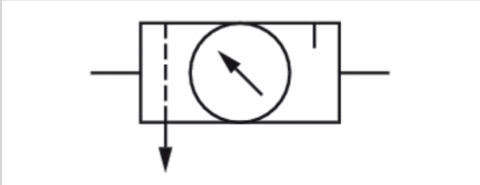
Maintenance unit, 2-part, Series AS2-ACD

- G 1/4 G 3/8
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge



Version	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
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.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	28 cm³
Filter element	exchangeable
Condensate drain	See table below
Lubricator reservoir volume	40 cm³
Type of filling	Manual oil filling Semi-automatic oil filling during operation
Weight	See table below

Technical data

Part No.	Port	Flow	Working pressure min./max.
		Qn	
R412006298	G 1/4	1800 l/min	1,5 ... 16 bar
R412006304	G 1/4	1800 l/min	1,5 ... 16 bar
R412006299	G 1/4	1800 l/min	1,5 ... 16 bar
R412006305	G 1/4	1800 l/min	1,5 ... 16 bar
R412006300	G 1/4	1800 l/min	0 ... 16 bar
R412006306	G 1/4	1800 l/min	0 ... 16 bar
R412006307	G 3/8	2000 l/min	1,5 ... 16 bar
R412006308	G 3/8	2000 l/min	1,5 ... 16 bar
R412006309	G 3/8	2000 l/min	0 ... 16 bar
R412006313	G 3/8	2000 l/min	1,5 ... 16 bar
R412006314	G 3/8	2000 l/min	1,5 ... 16 bar
R412006315	G 3/8	2000 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir	Protective guard
R412006298	semi-automatic, open without pressure	Polycarbonate	Polyamide
R412006304	semi-automatic, open without pressure	Die cast zinc	-

Part No.	Condensate drain	Reservoir	Protective guard
R412006299	fully automatic, open without pressure	Polycarbonate	Polyamide
R412006305	fully automatic, open without pressure	Die cast zinc	-
R412006300	fully automatic, closed without pressure	Polycarbonate	Polyamide
R412006306	fully automatic, closed without pressure	Die cast zinc	-
R412006307	semi-automatic, open without pressure	Polycarbonate	Polyamide
R412006308	fully automatic, open without pressure	Polycarbonate	Polyamide
R412006309	fully automatic, closed without pressure	Polycarbonate	Polyamide
R412006313	semi-automatic, open without pressure	Die cast zinc	-
R412006314	fully automatic, open without pressure	Die cast zinc	-
R412006315	fully automatic, closed without pressure	Die cast zinc	-

Part No.	ATEX	Weight	
R412006298	suitable for ATEX	0,633 kg	1)
R412006304	suitable for ATEX	0,633 kg	1)
R412006299	suitable for ATEX	0,676 kg	1)
R412006305	suitable for ATEX	0,676 kg	1)
R412006300	suitable for ATEX	0,676 kg	1)
R412006306	suitable for ATEX	0,676 kg	1)
R412006307	suitable for ATEX	0,633 kg	1)
R412006308	suitable for ATEX	0,676 kg	1)
R412006309	suitable for ATEX	0,676 kg	1)
R412006313	-	0,633 kg	-
R412006314	-	0,676 kg	-
R412006315	-	0,676 kg	-

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

1) 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.

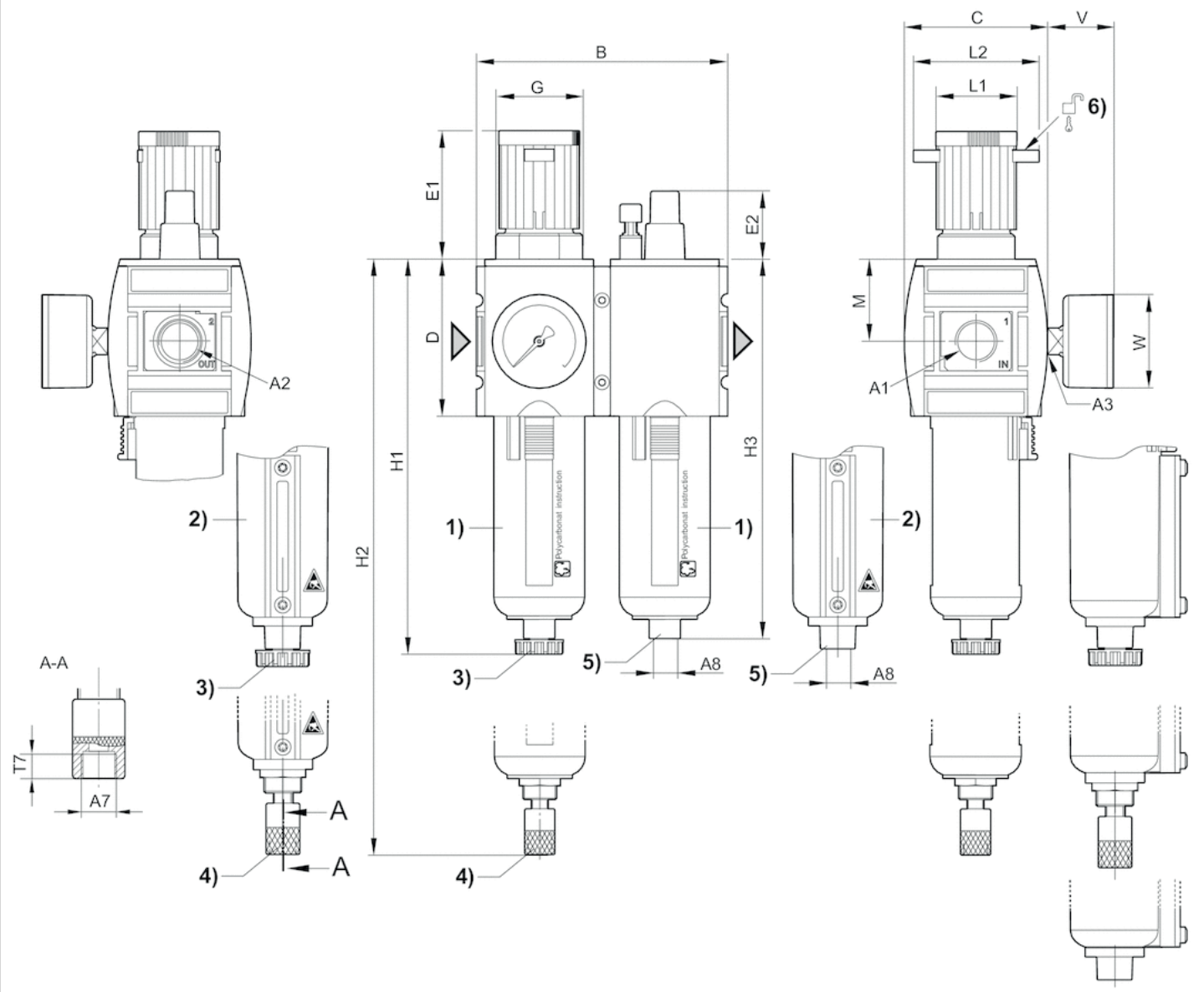
Technical information

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

Material	
Filter insert	Polyethylene

Dimensions

Dimensions



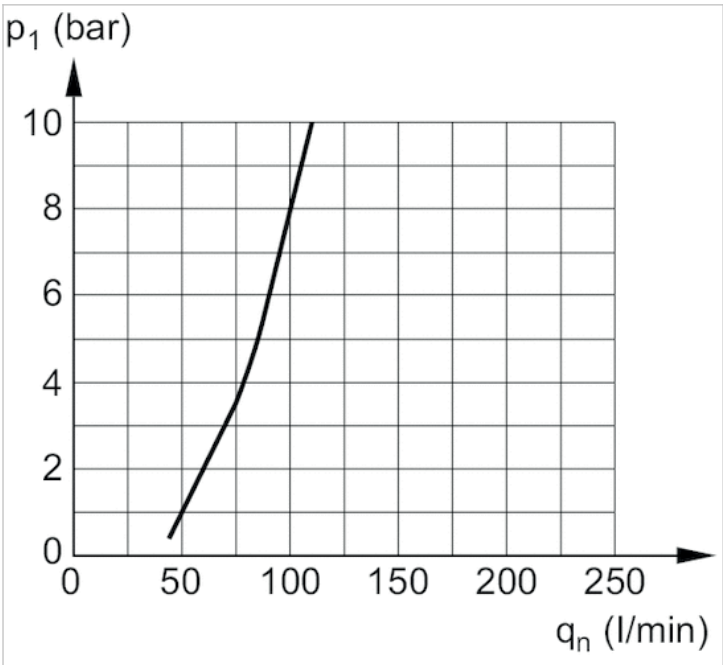
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Port for semi-automatic oil filling
6) Mounting option for 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	104	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	104	59	65	57.9	29.5	M36x1,5	163.5	180.5	157	34	34	54	8.5	37	50

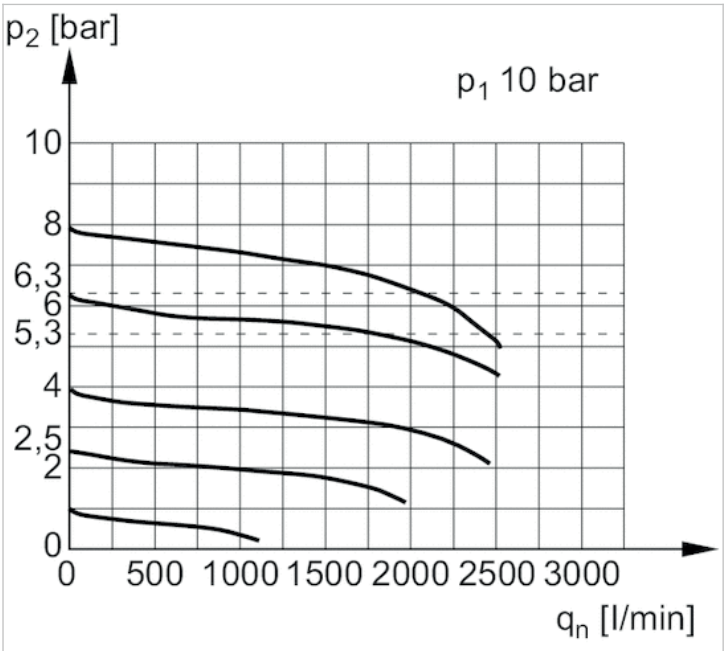
Diagrams

Lubricator activation margin



p1 = working pressureqn = nominal flow

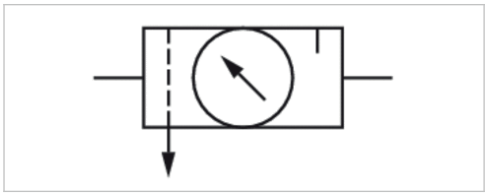
Flow rate characteristic (p2: 05 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Maintenance unit, 2-part, Series AS3-ACD

- G 3/8 G 1/2
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX



Version	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
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	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 below
Lubricator reservoir volume	80 cm³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Weight	See table below

Technical data

Part No.	Port	Flow	Working pressure min./max.
		Qn	
R412007298	G 3/8	3500 l/min	1,5 ... 16 bar
R412007299	G 3/8	3500 l/min	1,5 ... 16 bar
R412007300	G 3/8	3500 l/min	0 ... 16 bar
R412007304	G 3/8	3500 l/min	1,5 ... 16 bar
R412007305	G 3/8	3500 l/min	1,5 ... 16 bar
R412007306	G 3/8	3500 l/min	0 ... 16 bar
R412007307	G 1/2	3500 l/min	1,5 ... 16 bar
R412007308	G 1/2	3500 l/min	1,5 ... 16 bar
R412007309	G 1/2	3500 l/min	0 ... 16 bar
R412007313	G 1/2	3500 l/min	1,5 ... 16 bar
R412007314	G 1/2	3500 l/min	1,6 ... 16 bar
R412007315	G 1/2	3500 l/min	0 ... 16 bar

Part No.	Condensate drain	Reservoir	Weight
R412007298	semi-automatic, open without pressure	Polycarbonate	1,02 kg
R412007299	fully automatic, open without pressure	Polycarbonate	1,07 kg
R412007300	fully automatic, closed without pressure	Polycarbonate	1,07 kg
R412007304	semi-automatic, open without pressure	Die cast zinc	1,87 kg
R412007305	fully automatic, open without pressure	Die cast zinc	1,92 kg
R412007306	fully automatic, closed without pressure	Die cast zinc	1,91 kg
R412007307	semi-automatic, open without pressure	Polycarbonate	1,02 kg
R412007308	fully automatic, open without pressure	Polycarbonate	1,07 kg
R412007309	fully automatic, closed without pressure	Polycarbonate	1,07 kg
R412007313	semi-automatic, open without pressure	Die cast zinc	1,83 kg
R412007314	fully automatic, open without pressure	Die cast zinc	1,87 kg
R412007315	fully automatic, closed without pressure	Die cast zinc	1,75 kg

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

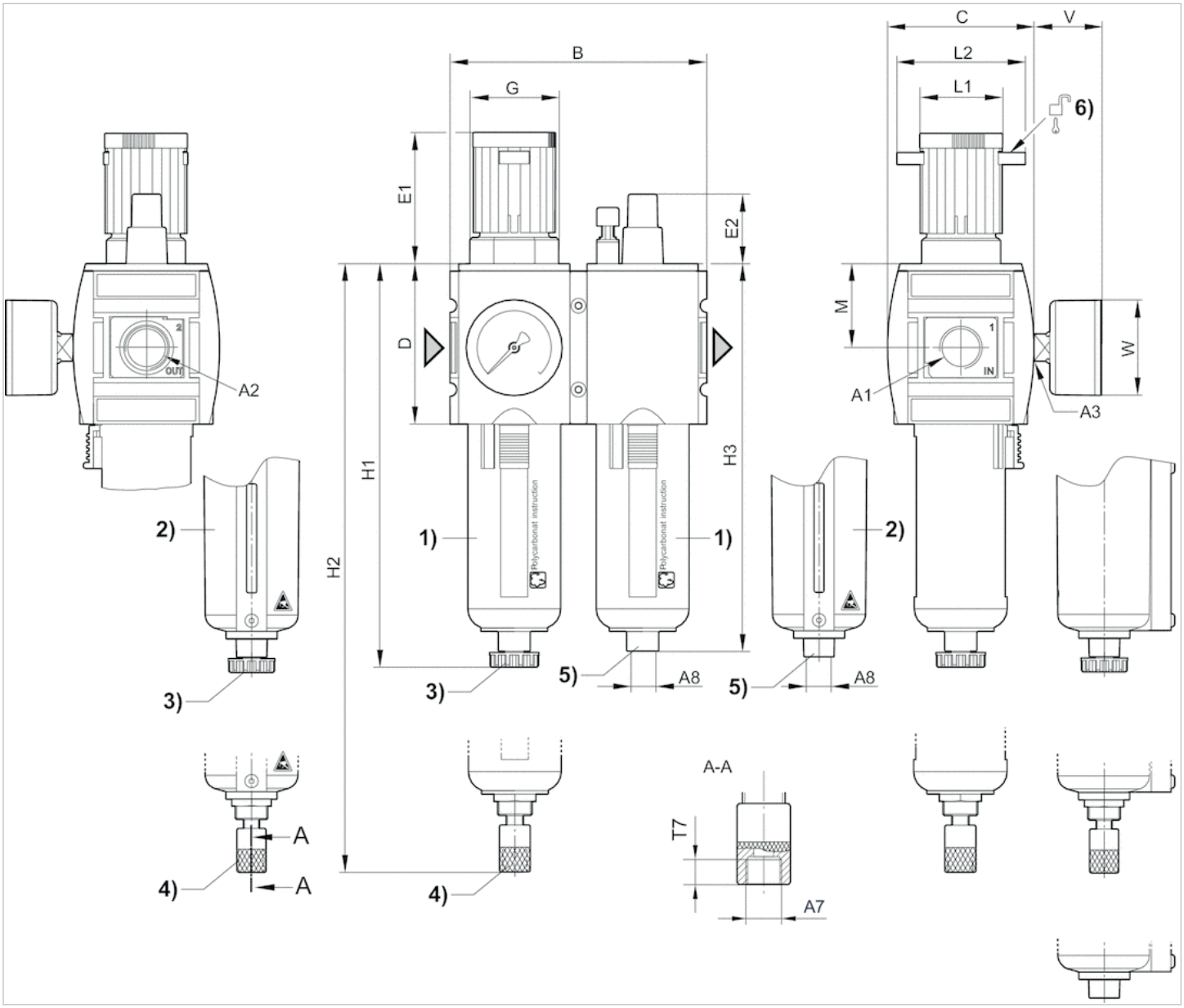
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
Suitable for use in Ex zones 1, 2, 21, 22
A change in the flow direction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

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

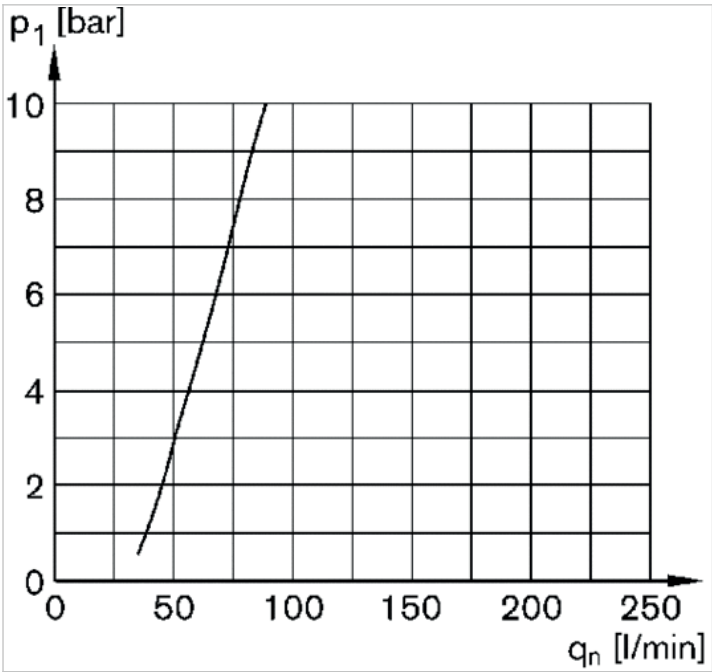
Dimensions in mm

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2	H3	M	L1	L2
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	126	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41	60
G 3/8	G 3/8	G 1/4	G 1/4	G 1/8	G 1/8	126	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	126	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41	60
G 1/2	G 1/2	G 1/4	G 1/8	G 1/8	126	74	80	63.5	27.5	M42x1,5	189.5	206	183	42.5	41	60

T7	V	W
8.5	33	50
60	8.5	33
8.5	33	50
8.5	33	50

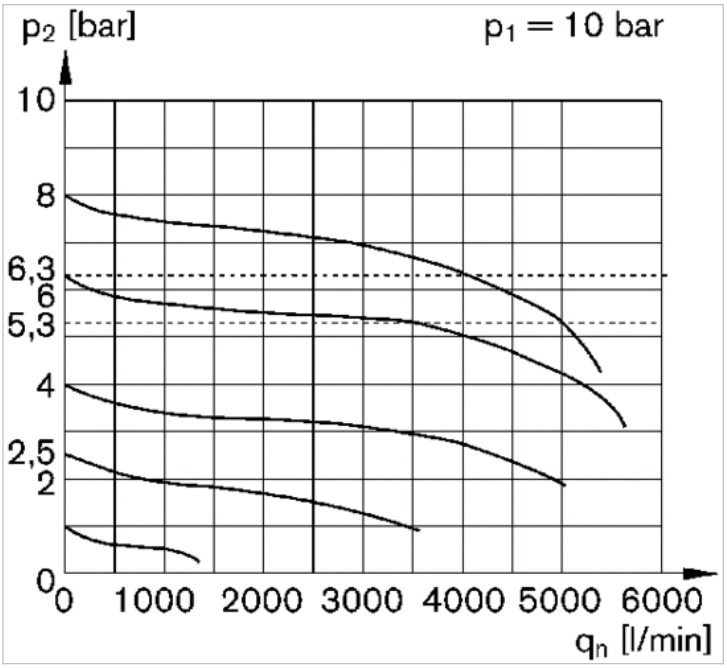
Diagrams

Lubricator activation margin



p1 = working pressureqn = nominal flow

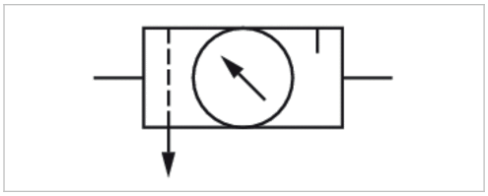
Flow rate characteristic (p2: 05 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Maintenance unit, 2-part, Series AS5-ACD

- G 3/4 G 1
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX



Version	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
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	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 below
Lubricator reservoir volume	181 cm³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Weight	See table below

Technical data

Part No.	Port	Flow	Working pressure min./max.
		Qn	
R412009298	G 3/4	12300 l/min	1,5 ... 16 bar
R412009299	G 3/4	12300 l/min	1,5 ... 16 bar
R412009300	G 3/4	12300 l/min	0 ... 16 bar
R412009307	G 1	12300 l/min	1,5 ... 16 bar
R412009308	G 1	12300 l/min	1,5 ... 16 bar
R412009309	G 1	12300 l/min	0 ... 16 bar

Part No.	Condensate drain	Weight
R412009298	semi-automatic, open without pressure	1,83 kg
R412009299	fully automatic, open without pressure	1,88 kg
R412009300	fully automatic, closed without pressure	1,88 kg
R412009307	semi-automatic, open without pressure	1,83 kg
R412009308	fully automatic, open without pressure	1,88 kg
R412009309	fully automatic, closed without pressure	1,88 kg

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

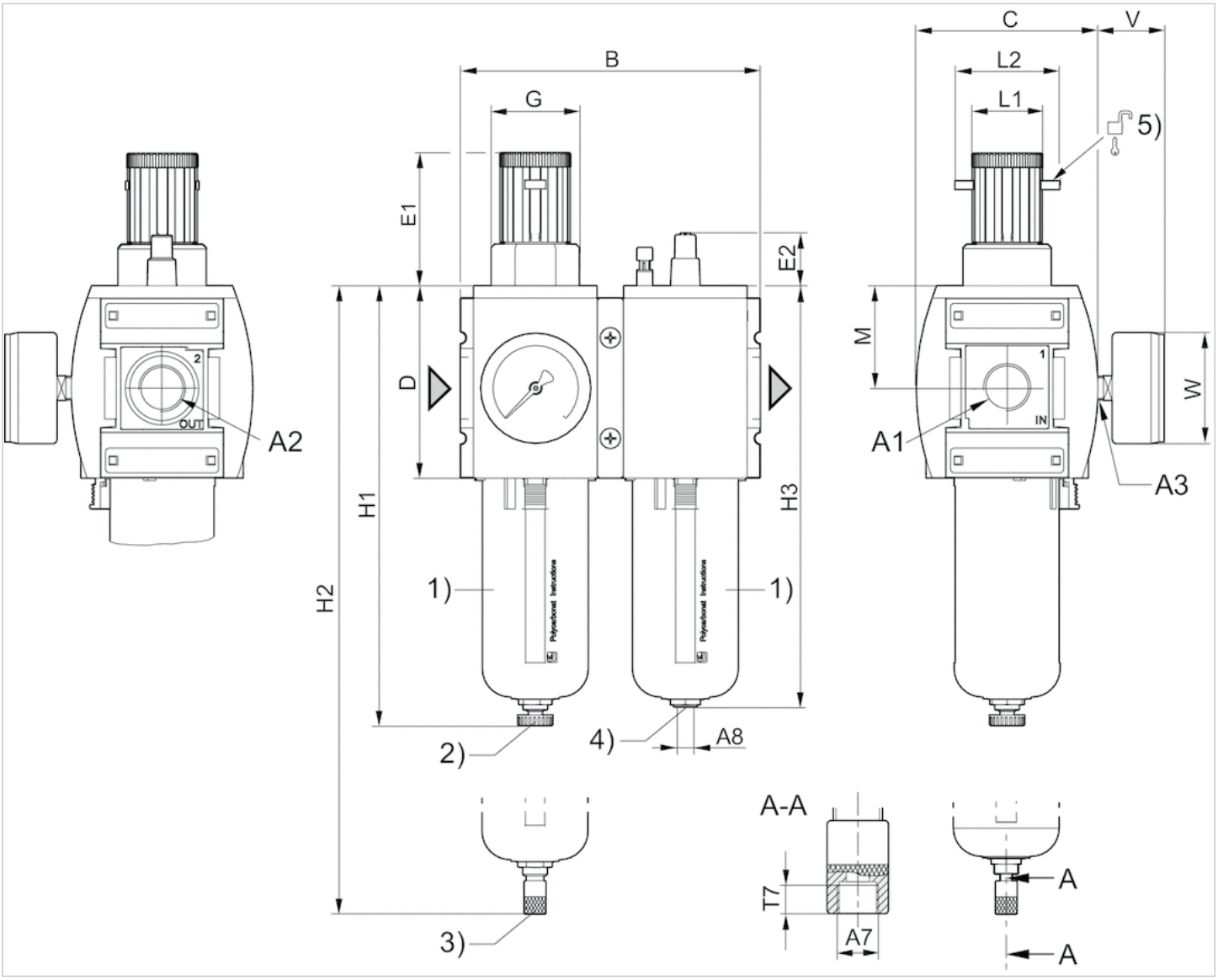
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
Suitable for use in Ex zones 1, 2, 21, 22
A change in the flow direction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

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



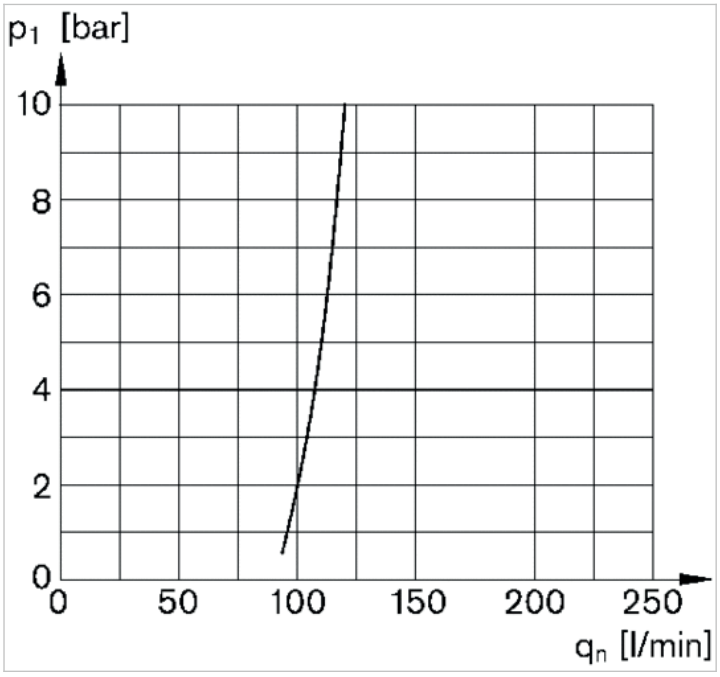
A1 = inputA2 = outputA3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Semi-automatic condensate drain
3) Fully automatic condensate drain
4) Port for semi-automatic oil filling
5) Mounting option for padlocks; max. shackle Ø 8

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	170	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	170	103	109	75	30.5	M50x1,5	250	266	239	41	60	58	8.5	38	63

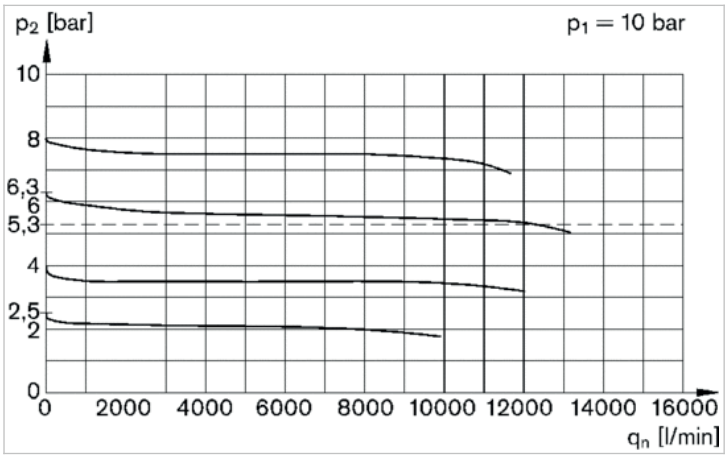
Diagrams

Lubricator activation margin



p1 = working pressureqn = nominal flow

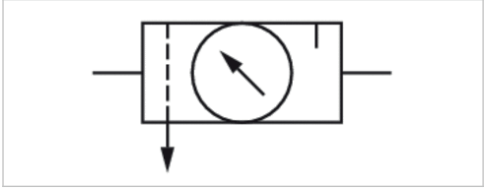
Flow rate characteristic (setting range p2: 0.5 - 8 bar)



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow

Maintenance unit, 2-part, Series AS1-ACD

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



Version	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, 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	700 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
R412014672	G 1/4	700 l/min	semi-automatic, open without pressure	0,504 kg
R412014673	G 1/4	700 l/min	fully automatic, open without pressure	0,522 kg
R412014674	G 1/4	700 l/min	fully automatic, closed without pressure	0,522 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.

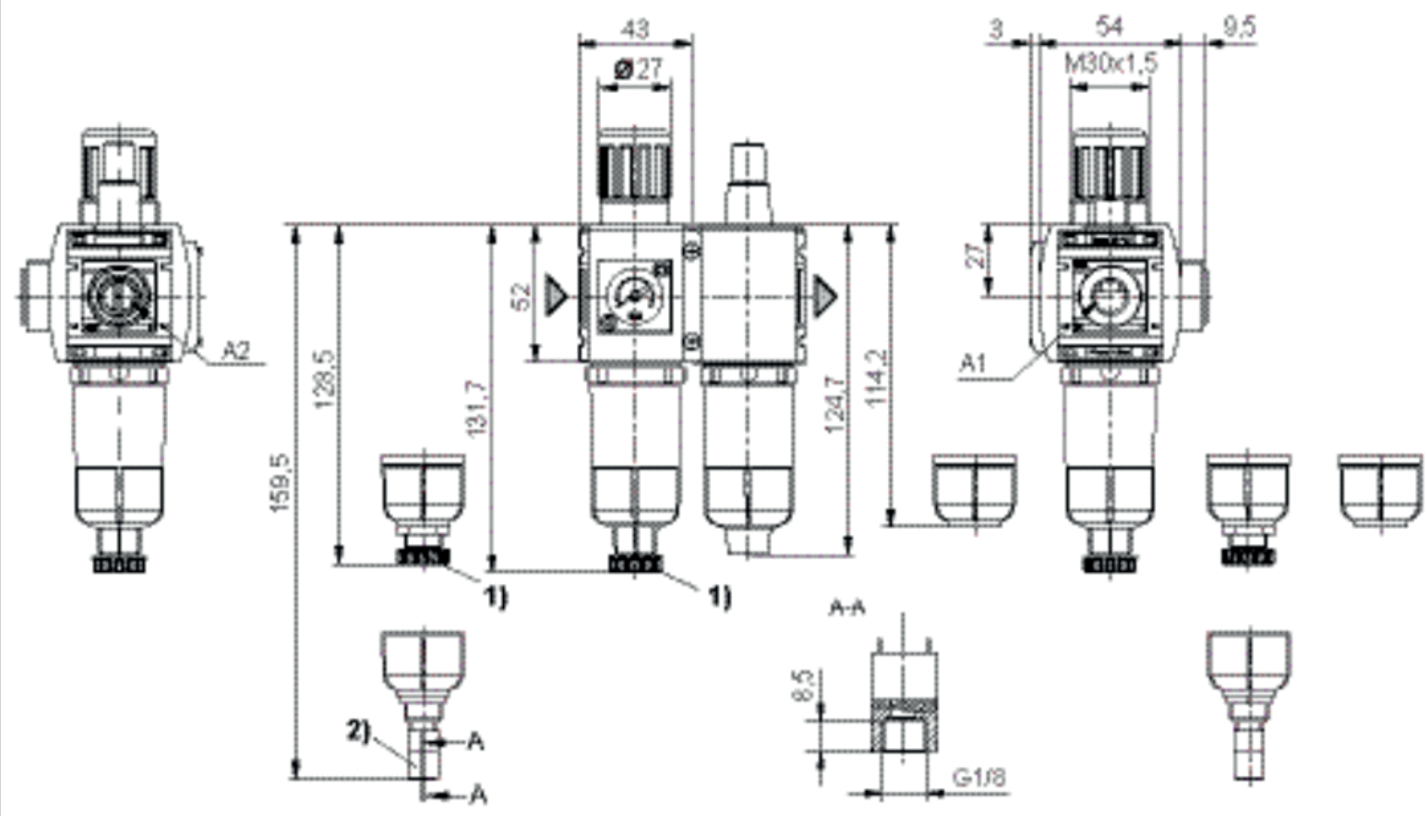
Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene

Material	
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Cellpor

Dimensions

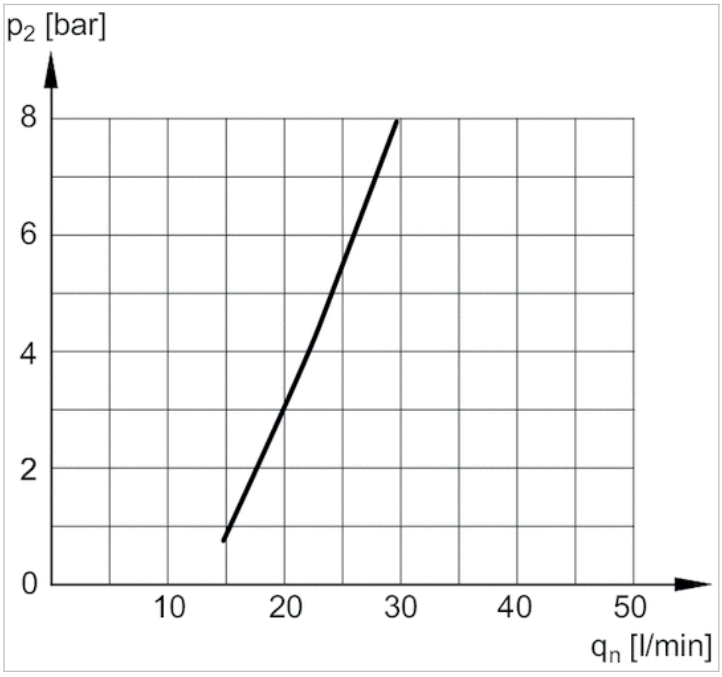
Dimensions



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

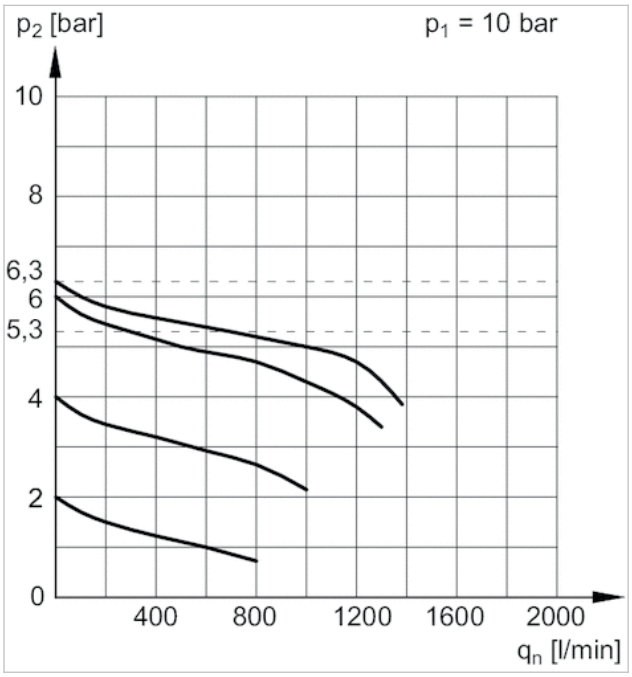
Diagrams

Lubricator activation margin



p2 = secondary pressureqn = nominal flow

Flow rate characteristic



p1 = Working pressurep2 = Secondary pressureqn = Nominal flow