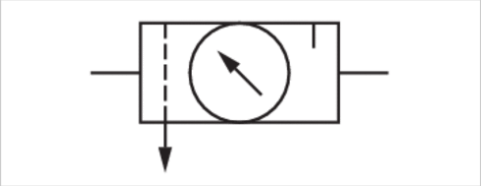
Air preparation unit, 2-part, Series AS5-ACD

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



Version	2-part, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
Mounting orientation	vertical
Working pressure min./max.	1.5 ... 16 bar
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
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	filter porosity	Flow	Condensate drain
			Qn	
R412009298	G 3/4	5 µm	12300 l/min	semi-automatic, open without pressure
R412009299	G 3/4	5 µm	12300 l/min	fully automatic, open without pressure
R412009307	G 1	5 µm	12300 l/min	semi-automatic, open without pressure
R412009308	G 1	5 µm	12300 l/min	fully automatic, open without pressure
R412009309	G 1	5 µm	12300 l/min	fully automatic, closed without pressure

Part No.	Pressure gauge	Weight
R412009298	with pressure gauge	1.83 kg
R412009299	with pressure gauge	1.88 kg
R412009307	with pressure gauge	1.83 kg
R412009308	with pressure gauge	1.88 kg
R412009309	with pressure gauge	1.88 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".
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.

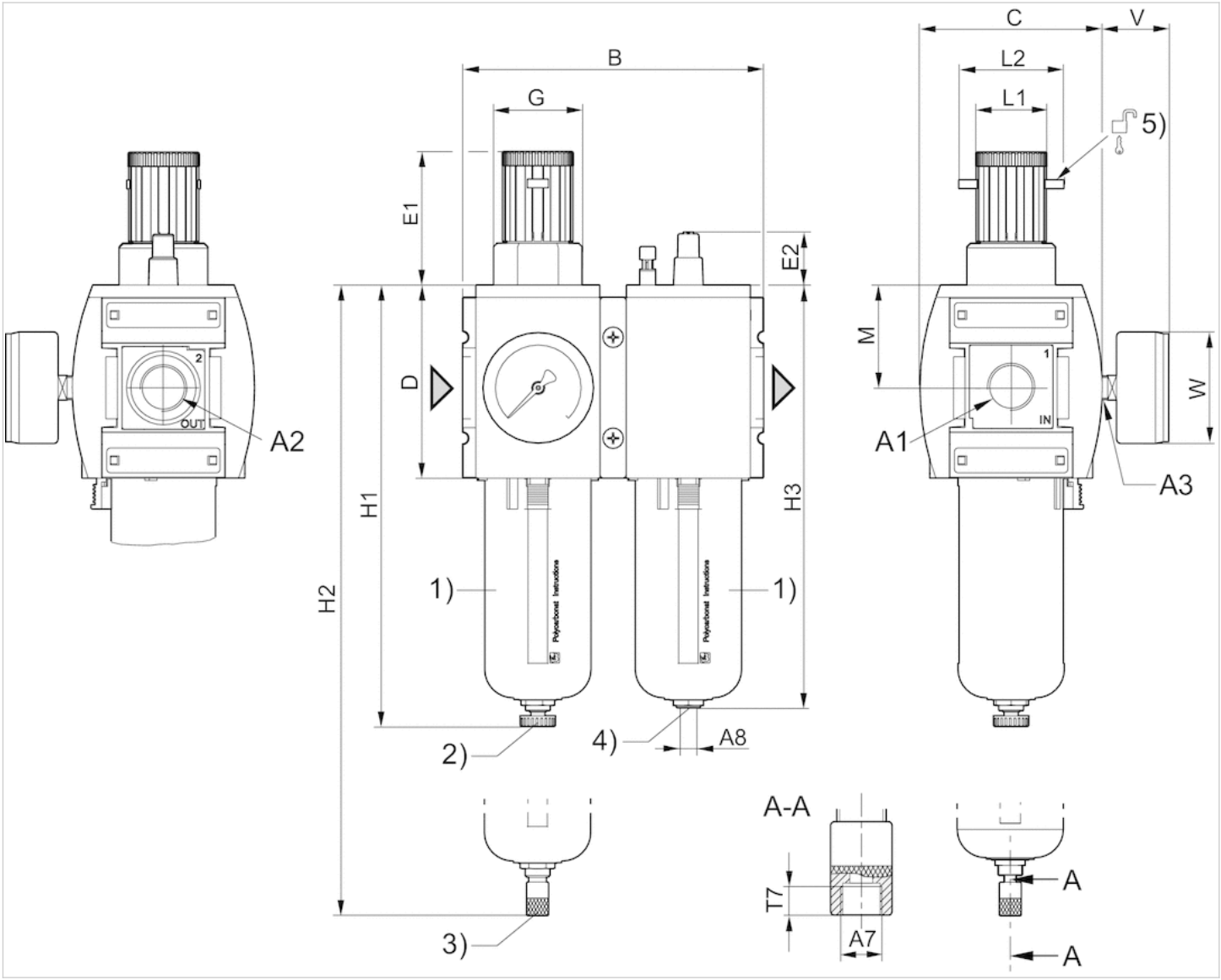
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

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



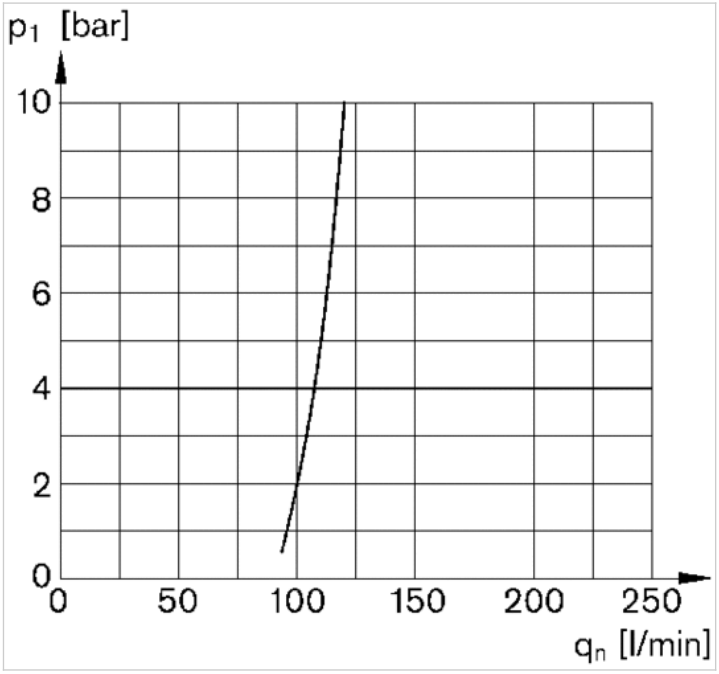
A1 = input
A2 = output
A3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Semi-automatic condensate drain
3) Fully automatic condensate drain
4) Port for semi-automatic oil filling
5) Mounting option for padlocks, max. shackle Ø 8

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

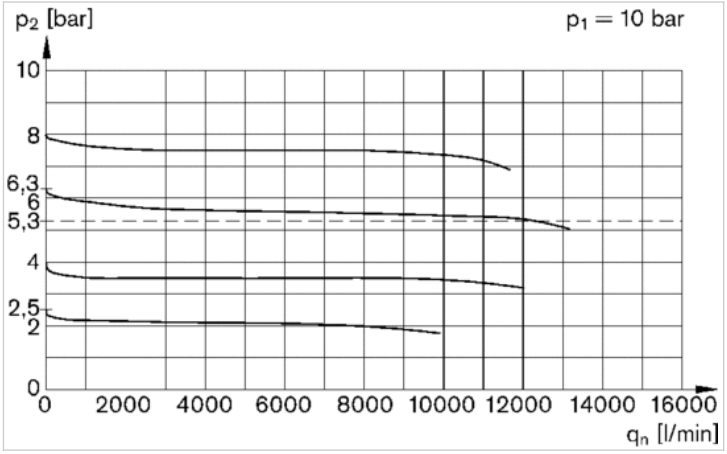
Diagrams

Lubricator activation margin



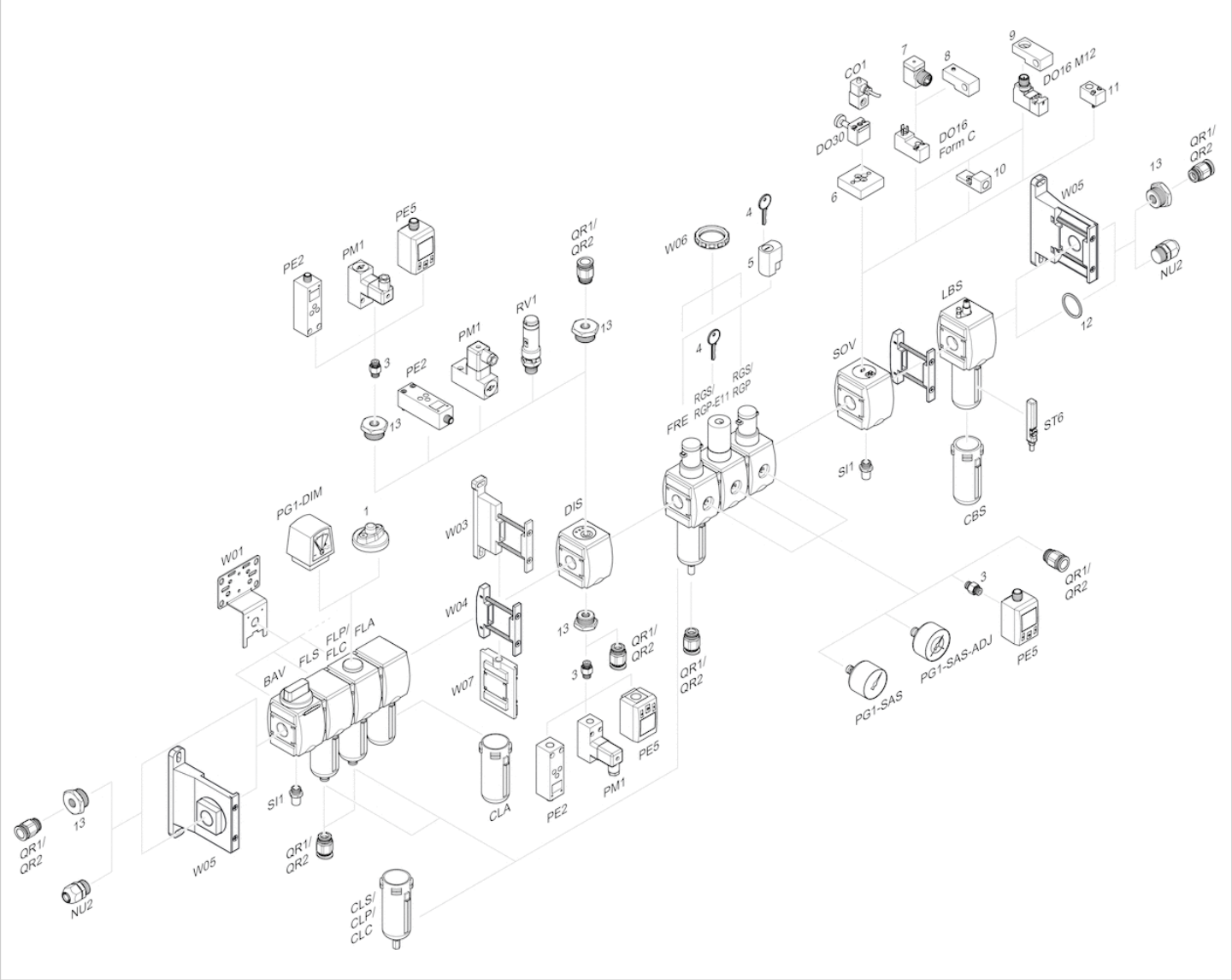
p1 = working pressure
qn = nominal flow

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



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Accessories overview



1 = contamination display
3 = Double nipple
4 = Key for E11 locking
5 = mortise lock
6 = Transition plate DO30
7 = Adapter, Series CON-VP
8 = Mounting aid DO16, form C
9 = Mounting aid DO16, M12
10 = Adapter for external pilot air
11 = Adapter pneumatic operation
12 = Sealing ring
13 = Reducing nipple