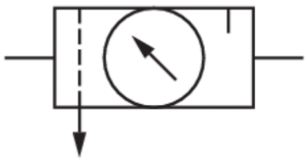
Air preparation unit, 2-part, Series NL1-ACD

- G 1/8 G 1/4
- filter porosity 5 µm
- with pressure gauge
- suitable for ATEX



Type	2-part, Can be assembled into blocks
Parts	Filter pressure regulator, Micro oil-mist lubricator
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	1,5 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	750 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 10 bar
Pressure supply	single
Filter reservoir volume	16 cm³
Filter element	exchangeable
Lubricator reservoir volume	35 cm³
Type of filling	Manual oil filling
Weight	See table below

Technical data

Part No.	Port	filter porosity	Flow Qn	Condensate drain
0821300727	G 1/8	5 µm	750 l/min	semi-automatic, open without pressure
0821300728	G 1/8	5 µm	750 l/min	semi-automatic, open without pressure
0821300730	G 1/4	5 µm	750 l/min	semi-automatic, open without pressure
0821300731	G 1/4	5 µm	750 l/min	semi-automatic, open without pressure
0821300732	G 1/4	5 µm	750 l/min	fully automatic, open without pressure

Part No.	Pressure gauge	Reservoir	Weight
0821300727	with pressure gauge	Polycarbonate	0,564 kg
0821300728	with pressure gauge	Die cast zinc	0,645 kg
0821300730	with pressure gauge	Polycarbonate	0,564 kg
0821300731	with pressure gauge	Die cast zinc	0,645 kg
0821300732	with pressure gauge	Polycarbonate	0,617 kg

Metal protective guard can be retrofitted for all polycarbonate reservoirs, 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 .
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.

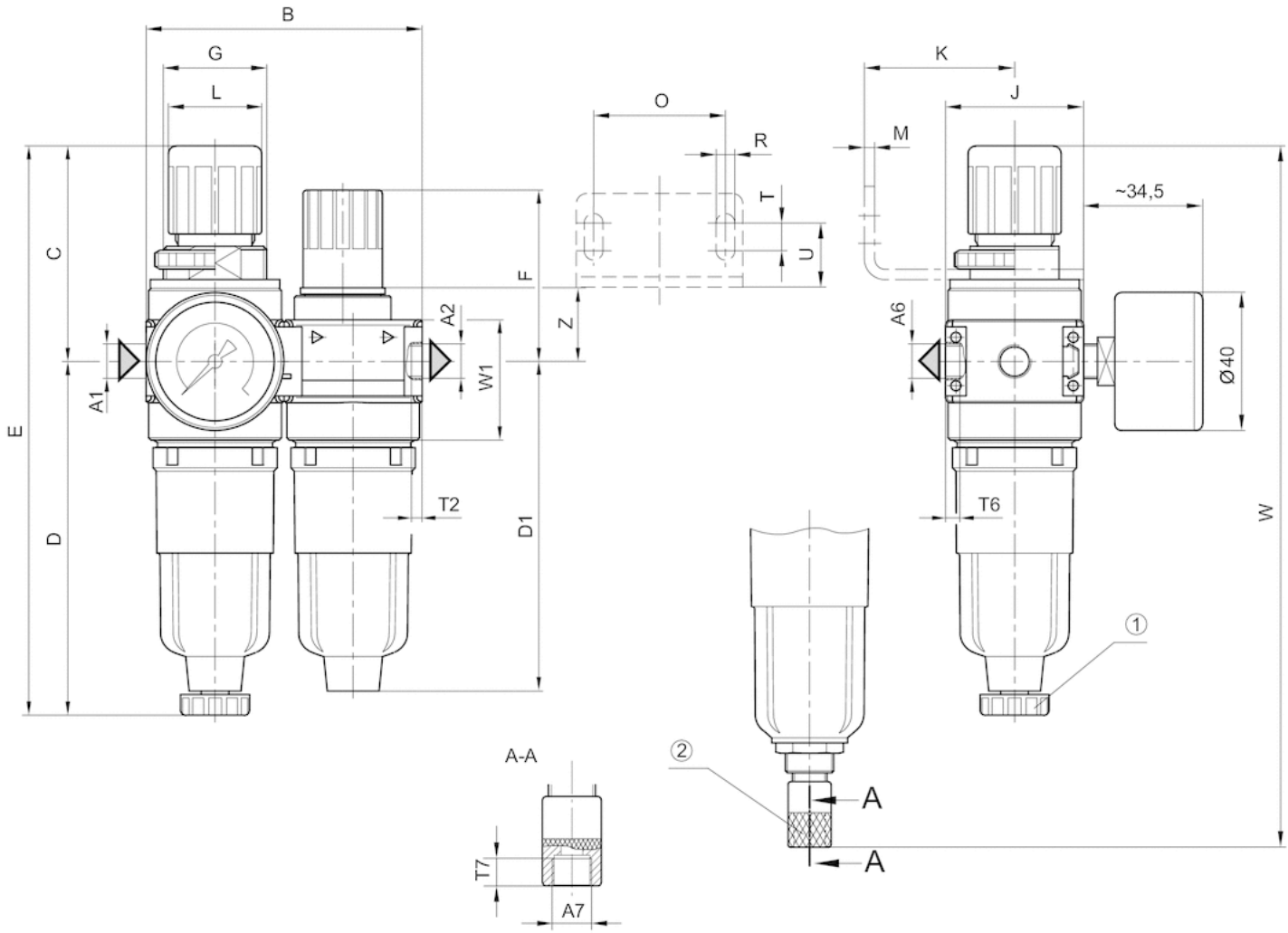
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

Technical information

Material	
Housing	Die cast zinc
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
A6 = ventilation port
A7 = condensate drain
1) Semi-automatic condensate drain
2) fully automatic condensate drain

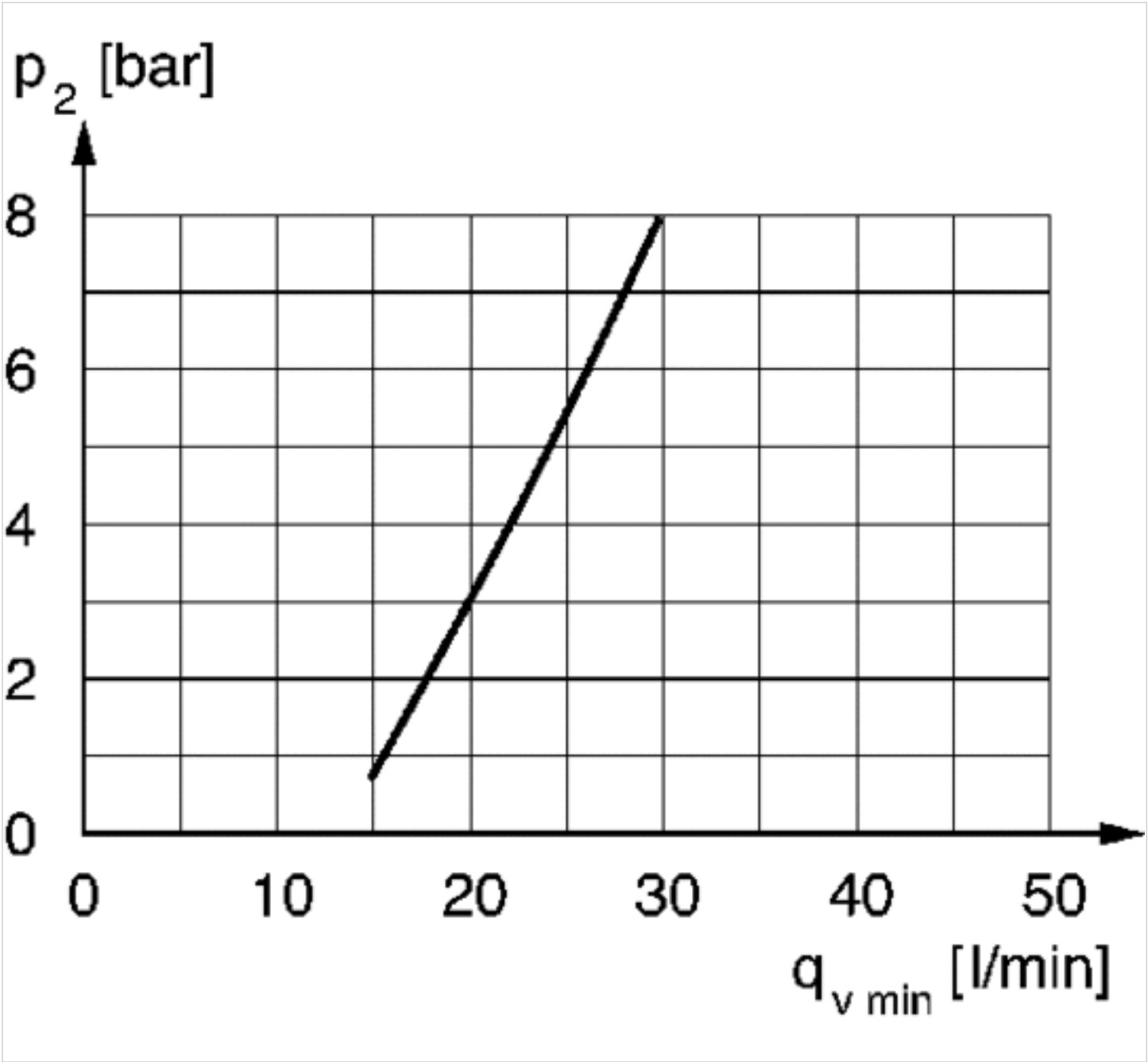
Dimensions in mm

A1	A2	A6	A7	B	C	D	D1	E	F	G	J	K	L	M	O	R	T	T2	T6	T7
G 1/8	G 1/8	G 1/8	G 1/8	80	62.5	102.5	95.5	165	50	M30x1,5	40	43.5	27	3	38	5.4	8	8	6	8.5
G 1/4	G 1/4	G 1/8	G 1/8	80	62.5	102.5	95.5	165	50	M30x1,5	40	43.5	27	3	38	5.4	8	8	6	8.5

U	W	W1	Z
18.5	203	35	24.5
18.5	203	35	24.5

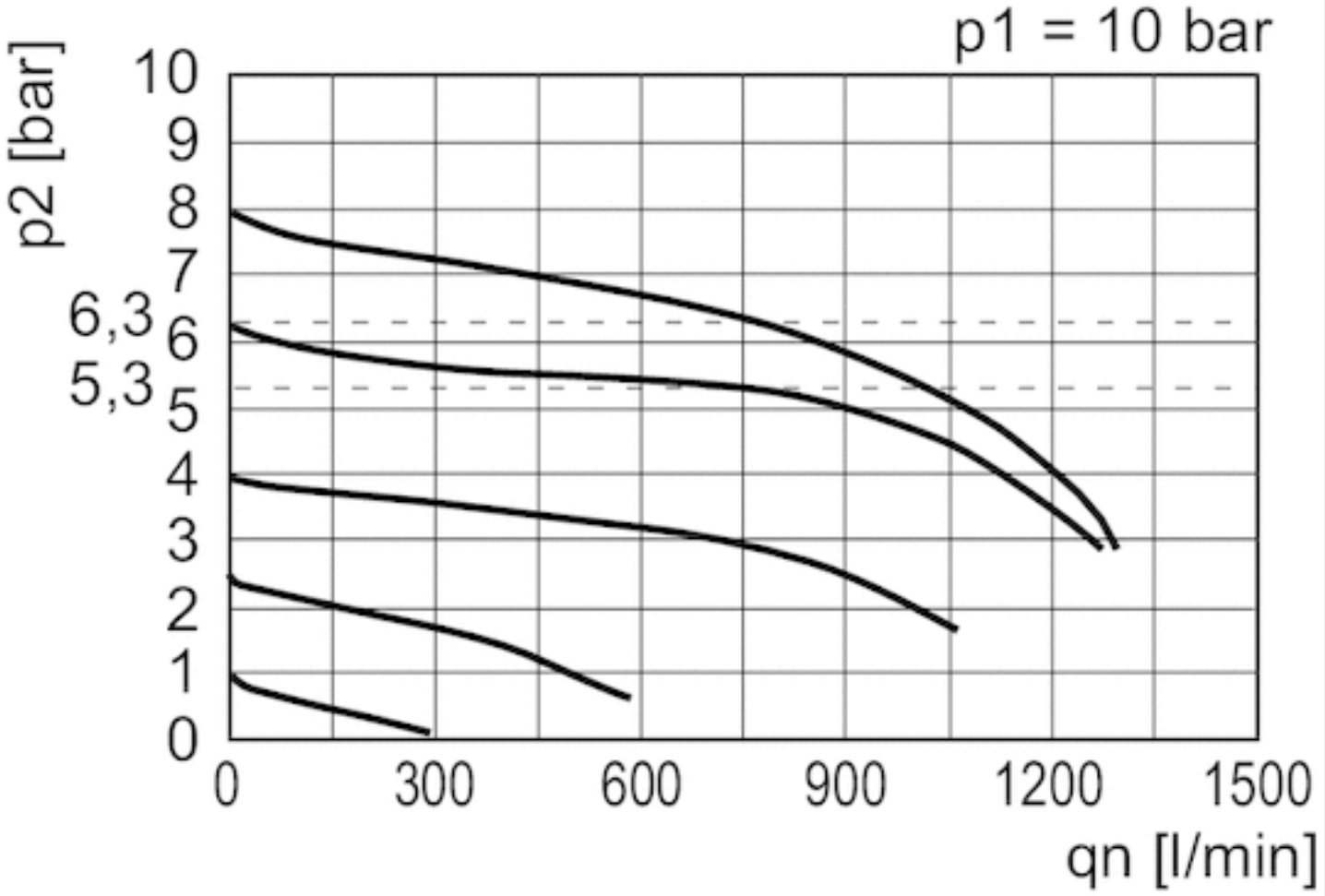
Diagrams

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p2 = secondary pressure
qvmin. = min. nominal flow

Flow rate characteristic



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

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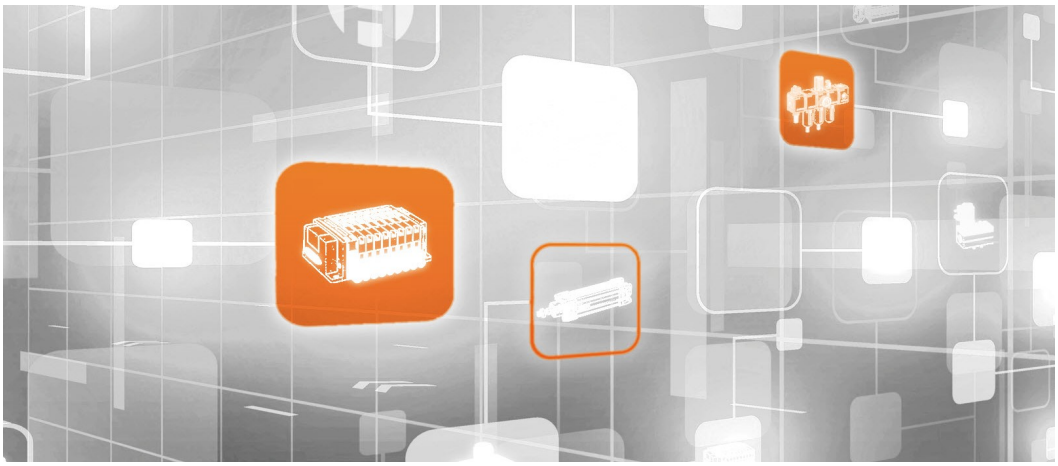

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