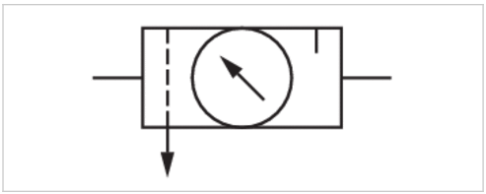
Air preparation unit, 2-part, Series NL2-ACD

- G 1/4 G 3/8
- filter porosity 5 µm
- with pressure gauge
- suitable for ATEX



Type	2-part, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	2 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	1100 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	25 cm³
Filter element	exchangeable
Lubricator reservoir volume	50 cm³
Type of filling	Manual oil filling
Weight	See table below

Technical data

Part No.	Port	filter porosity	Flow Qn	Condensate drain
0821300400	G 1/4	5 µm	1100 l/min	semi-automatic, open without pressure
0821300403	G 1/4	5 µm	1100 l/min	fully automatic, open without pressure
0821300401	G 1/4	5 µm	1100 l/min	semi-automatic, open without pressure
0821300404	G 1/4	5 µm	1100 l/min	fully automatic, open without pressure
0821300402	G 1/4	5 µm	1100 l/min	semi-automatic, open without pressure
0821300405	G 1/4	5 µm	1100 l/min	fully automatic, open without pressure
0821300430	G 3/8	5 µm	1100 l/min	semi-automatic, open without pressure
0821300433	G 3/8	5 µm	1100 l/min	fully automatic, open without pressure
0821300431	G 3/8	5 µm	1100 l/min	semi-automatic, open without pressure
0821300432	G 3/8	5 µm	1100 l/min	semi-automatic, open without pressure

Part No.	Pressure gauge	Reservoir	Protective guard	Weight
0821300400	with pressure gauge	Polycarbonate	-	0,85 kg
0821300403	with pressure gauge	Polycarbonate	-	0,89 kg
0821300401	with pressure gauge	Polycarbonate	Steel	0,932 kg
0821300404	with pressure gauge	Polycarbonate	Steel	0,972 kg
0821300402	with pressure gauge	Die cast zinc	-	1,2 kg
0821300405	with pressure gauge	Die cast zinc	-	1,24 kg

Part No.	Pressure gauge	Reservoir	Protective guard	Weight
0821300430	with pressure gauge	Polycarbonate	-	0,85 kg
0821300433	with pressure gauge	Polycarbonate	-	0,89 kg
0821300431	with pressure gauge	Polycarbonate	Steel	0,932 kg
0821300432	with pressure gauge	Die cast zinc	-	0,564 kg

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

Suitable for use in Ex zones 1, 2, 21, 22., Metal protective guard can be retrofitted for all polycarbonate reservoirs, Die-cast zinc reservoir with inspection glass

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.
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.

Oil dosing at 1000 l/min 1-2 drops

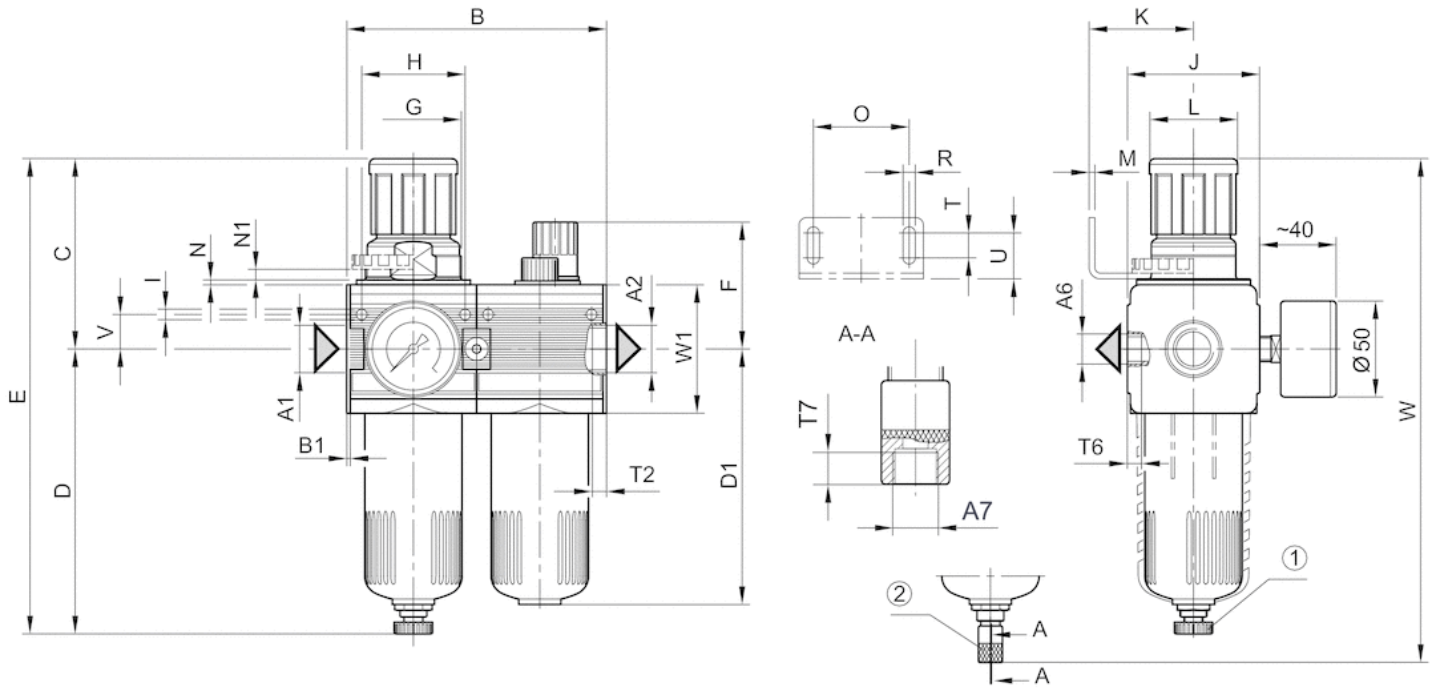
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

Technical information

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

Dimensions

Dimensions



A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Semi-automatic condensate drain
2) fully automatic condensate drain

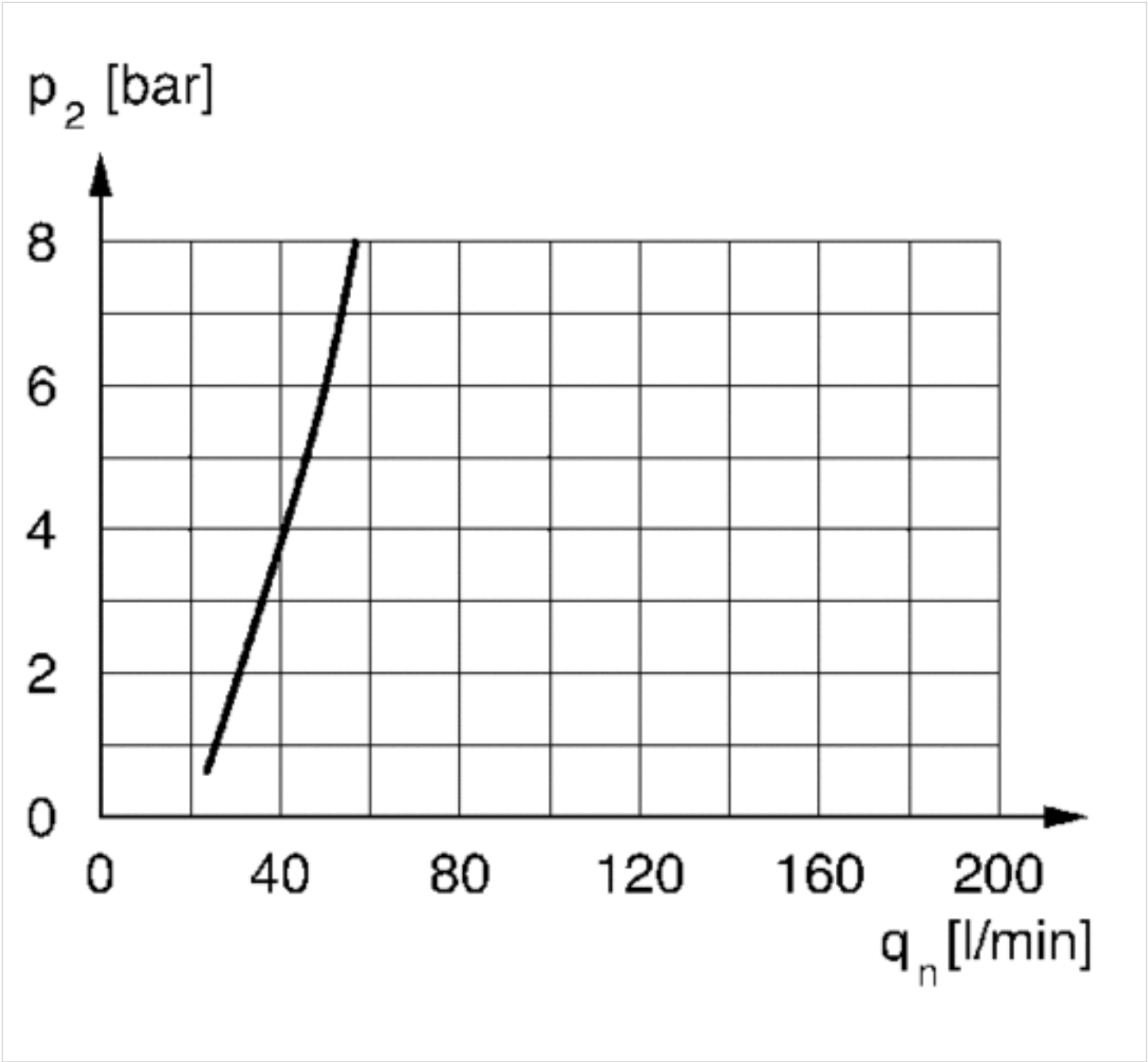
Dimensions in mm

A1	A2	A6	A7	B	B1	C	D	D1	E	F	G	H	I	J	K	L	M	N	N1	O	R
G 1/4	G 1/4	G 1/4	G 1/8	93	1.5	67.5	125	109	192.5	58	M30x1,5	36	4.4	47	43.5	28	3	3	3.5	38	5.4
G 3/8	G 3/8	G 1/4	G 1/8	93	1.5	67.5	125	109	192.5	58	M30x1,5	36	4.4	47	43.5	28	3	3	3.5	38	5.4

T	T2	T6	T7	U	V	W	W1
8	9.5	7	8.5	18.5	12.3	205.5	52
8	9.5	7	8.5	18.5	12.3	205.5	52

Diagrams

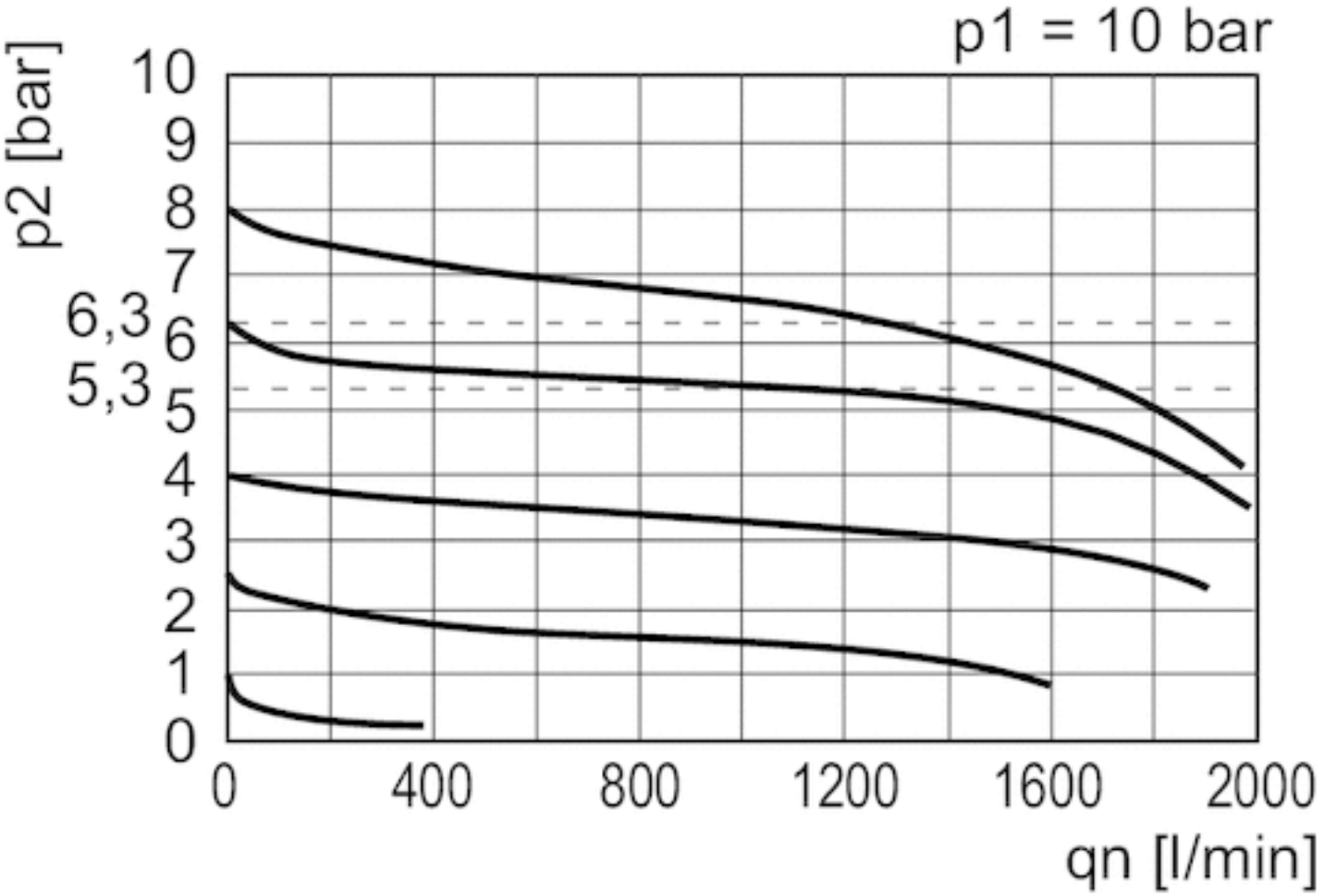
minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p1 = working pressure
p2 = secondary pressure

qn = nominal flow

Flow rate characteristic



p1 = working pressure
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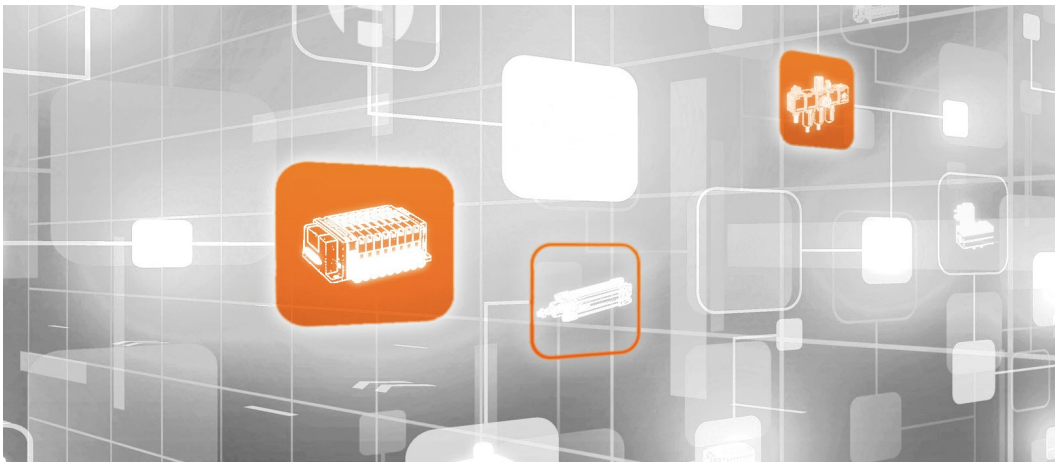

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