

Preparation of compressed air → Maintenance units and components

Maintenance unit, 2-part, Series NL2-ACD

► G 1/8 - G 3/8 ► filter porosity: 5 µm ► with pressure gauge ► ATEX certified



00106920

ATEX	II 2G2D X
Maintenance Unit	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, lubricator
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Pressure supply	single
Installation location	vertical
Nominal flow Q _n	1100 l/min
Ambient temperature min./max.	-10 °C / +60 °C
Medium temperature min./max.	-10 °C / +60 °C
Working pressure min./max.	1.5 bar / 16 bar
Adjustment range min./max.	0.5 bar / 10 bar
Medium	Compressed air
Filter element	exchangeable
Filter reservoir volume	25 cm ³
Condensate drain	See table below
Type of filling	Manual oil filling
Oil type	HLP 32 (DIN 51 524 - ISO VG 32)
	HLP 68 (DIN 51 524 - ISO VG 68)
Lubricator reservoir volume	50 cm ³
Materials:	
Housing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber
Filter insert	Polyethylene

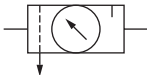
Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Oil dosing at 1000 l/min [drops/min]: 1-2
- max. particle count as per ISO 8573-4 at the outlet: 5 mg/m³

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	Port	Condensate drain	Note	Weight [kg]	Part No.
	G 1/8	semi-automatic, open without pressure	1)	0.85	0821300420
	G 1/8	fully automatic, open without pressure	1)	0.89	0821300423
	G 1/8	semi-automatic, open without pressure	1); 3)	0.932	0821300421
	G 1/8	fully automatic, open without pressure	1); 3)	0.972	0821300424
	G 1/8	semi-automatic, open without pressure	2)	1.2	0821300422
	G 1/8	fully automatic, open without pressure	2)	1.24	0821300425
	G 1/4	semi-automatic, open without pressure	1)	0.85	0821300400
	G 1/4	fully automatic, open without pressure	1)	0.89	0821300403
	G 1/4	semi-automatic, open without pressure	1); 3)	0.932	0821300401
	G 1/4	fully automatic, open without pressure	1); 3)	0.972	0821300404
	G 1/4	semi-automatic, open without pressure	2)	1.2	0821300402
	G 1/4	fully automatic, open without pressure	2)	1.24	0821300405
	G 3/8	semi-automatic, open without pressure	1)	0.85	0821300430
	G 3/8	fully automatic, open without pressure	1)	0.89	0821300433
	G 3/8	semi-automatic, open without pressure	1); 3)	0.932	0821300431
	G 3/8	fully automatic, open without pressure	1); 3)	0.972	0821300434
	G 3/8	semi-automatic, open without pressure	2)	0.564	0821300432
	G 3/8	fully automatic, open without pressure	2)	1.24	0821300435

nominal flow Qn with secondary pressure 6 bar at $\Delta p = 1$ bar

Metal protective guard can be retrofitted for all polycarbonate reservoirs

Die-cast zinc reservoir with inspection glass

1) Reservoir: Polycarbonate

2) Reservoir: Die cast zinc with window

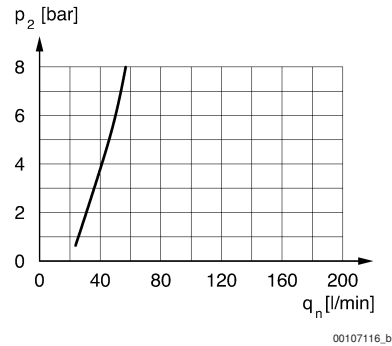
3) Protective guard: Steel

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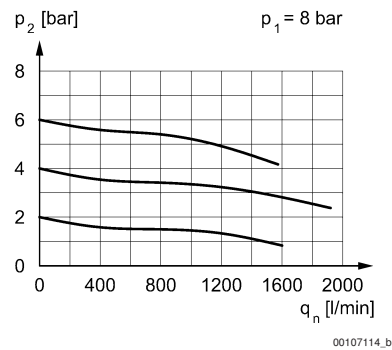
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minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p_1 = working pressure
 p_2 = secondary pressure
 q_n = nominal flow

Flow rate characteristic



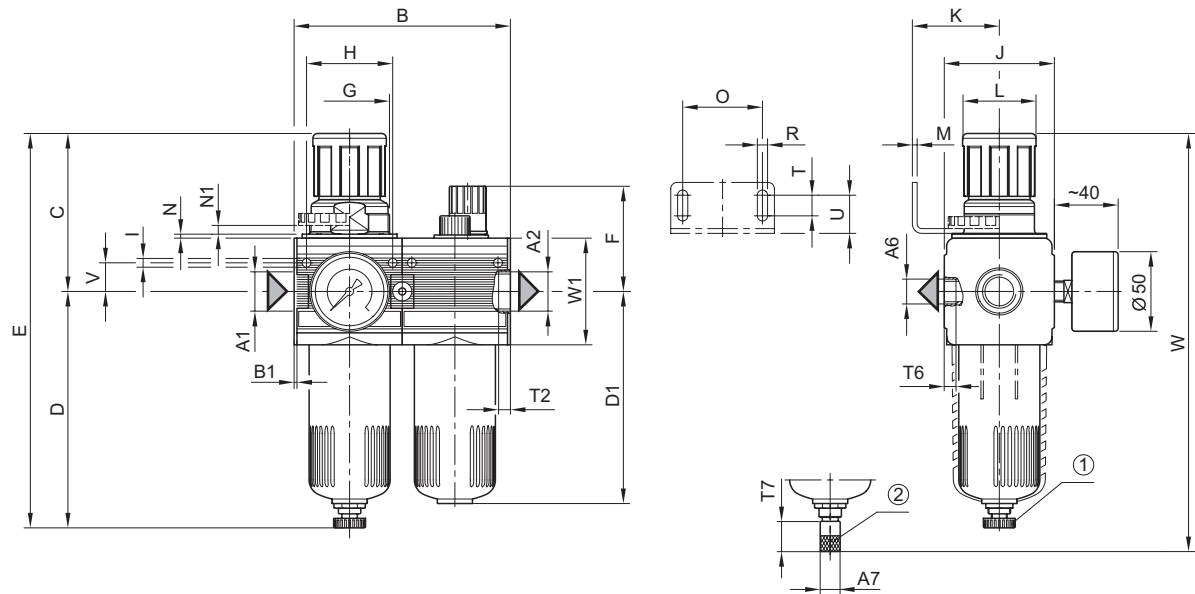
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Dimensions



00108132

- 1) semi-automatic condensate drain
- 2) fully automatic condensate drain

A1	A2	A6	A7	B	B1	C	D	D1	E	F	G	H	I
G 1/8	G 1/8	G 1/4	G 1/8	93	1.5	67.5	125	109	192.5	58	M30x1,5	36	4.4
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
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

A1	J	K	L	M	N	N1	O	R	T	T2	T6	T7	U
G 1/8	47	43.5	28	3	3	3.5	38	5.4	8	9.5	7	8.5	18.5
G 1/4	47	43.5	28	3	3	3.5	38	5.4	8	9.5	7	8.5	18.5
G 3/8	47	43.5	28	3	3	3.5	38	5.4	8	9.5	7	8.5	18.5

A1	V	W	W1										
G 1/8	12.3	205.5	52										
G 1/4	12.3	205.5	52										
G 3/8	12.3	205.5	52										