

Preparation of compressed air → Maintenance units and components

Maintenance unit, 2-part, Series NL4-ACD

► G 3/8 - G 3/4 ► 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 | 3600 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 | 50 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 | 125 cm ³ |
| Materials: | |
| Housing | Die cast zinc |
| Cover | Acrylonitrile butadiene styrene |
| Seal | Acrylonitrile Butadiene Rubber |
| Filter insert | Polyethylene |

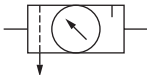
Technical Remarks

- 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 3/8 | semi-automatic, open without pressure | 1) | 1.726 | 0821300520 |
| | G 3/8 | fully automatic, open without pressure | 1) | 1.792 | 0821300523 |
| | G 3/8 | semi-automatic, open without pressure | 1); 3) | 1.91 | 0821300521 |
| | G 3/8 | fully automatic, open without pressure | 1); 3) | 1.976 | 0821300524 |
| | G 3/8 | semi-automatic, open without pressure | 2) | 2.342 | 0821300522 |
| | G 3/8 | fully automatic, open without pressure | 2) | 2.408 | 0821300525 |
| | G 1/2 | semi-automatic, open without pressure | 1) | 1.726 | 0821300500 |
| | G 1/2 | fully automatic, open without pressure | 1) | 1.792 | 0821300503 |
| | G 1/2 | semi-automatic, open without pressure | 1); 3) | 1.91 | 0821300501 |
| | G 1/2 | fully automatic, open without pressure | 1); 3) | 1.976 | 0821300504 |
| | G 1/2 | semi-automatic, open without pressure | 2) | 2.342 | 0821300502 |
| | G 1/2 | fully automatic, open without pressure | 2) | 2.408 | 0821300505 |
| | G 3/4 | semi-automatic, open without pressure | 1) | 1.726 | 0821300530 |
| | G 3/4 | fully automatic, open without pressure | 1) | 1.792 | 0821300533 |
| | G 3/4 | semi-automatic, open without pressure | 1); 3) | 1.91 | 0821300531 |
| | G 3/4 | fully automatic, open without pressure | 1); 3) | 1.976 | 0821300534 |
| | G 3/4 | semi-automatic, open without pressure | 2) | 2.342 | 0821300532 |
| | G 3/4 | fully automatic, open without pressure | 2) | 2.408 | 0821300535 |

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

Metal protective guard can be retrofitted for all polycarbonate reservoirs

1) Reservoir: Polycarbonate

2) Reservoir: Die cast zinc with window

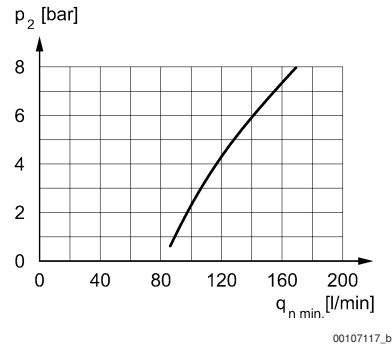
3) Protective guard: Steel

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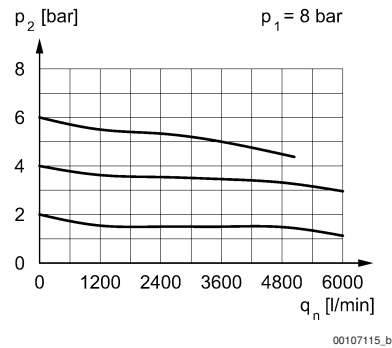
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minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



p_1 = operating pressure; p_2 = secondary pressure; q_n = nominal flow; $q_{n \min.}$ = min. nominal flow

Flow rate characteristic



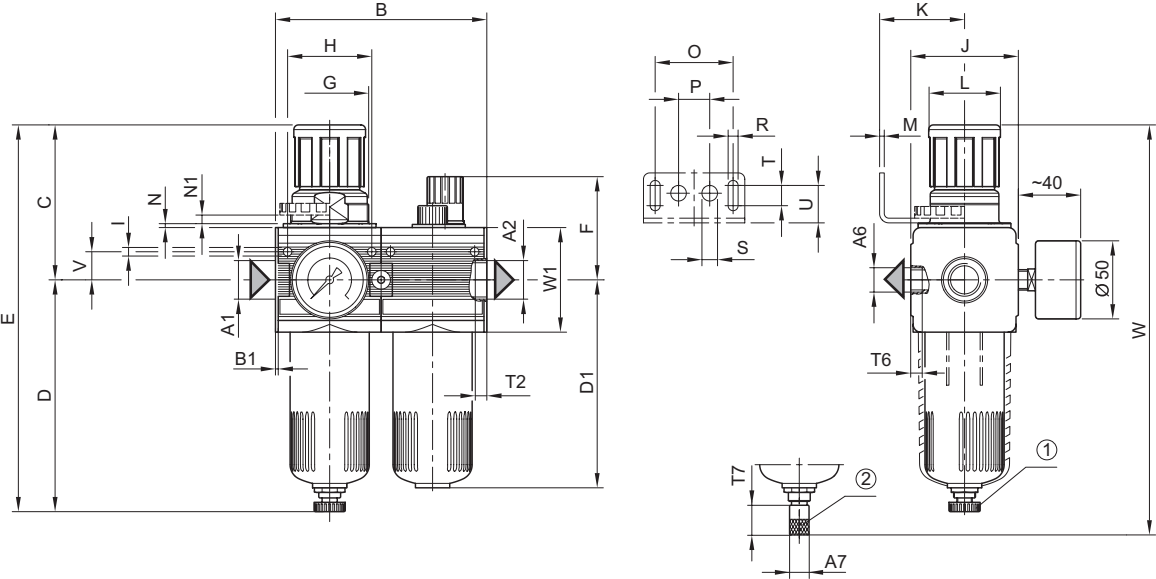
p_1 = working pressure; p_2 = secondary pressure; q_n = nominal flow

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Dimensions



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- 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 3/8 | G 3/8 | G 1/4 | G 1/8 | 135.6 | 1.8 | 100.5 | 147 | 132 | 247.5 | 65 | M50x1,5 | 54 | 5.5 |
| G 1/2 | G 1/2 | G 1/4 | G 1/8 | 135.6 | 1.8 | 100.5 | 147 | 132 | 247.5 | 65 | M50x1,5 | 54 | 5.5 |
| G 3/4 | G 3/4 | G 1/4 | G 1/8 | 135.6 | 1.8 | 100.5 | 147 | 132 | 247.5 | 65 | M50x1,5 | 54 | 5.5 |

| A1 | J | K | L | M | N | N1 | O | P | R | S | T | T2 | T6 |
|-------|----|------|----|---|---|-----|----|----|-----|----|----|----|----|
| G 3/8 | 69 | 54.5 | 46 | 3 | 3 | 5.5 | 50 | 20 | 6.4 | 10 | 13 | 13 | 7 |
| G 1/2 | 69 | 54.5 | 46 | 3 | 3 | 5.5 | 50 | 20 | 6.4 | 10 | 13 | 13 | 7 |
| G 3/4 | 69 | 54.5 | 46 | 3 | 3 | 5.5 | 50 | 20 | 6.4 | 10 | 13 | 13 | 7 |

| A1 | T7 | U | V | W | W1 | | | | | | | | |
|-------|-----|----|----|-------|----|--|--|--|--|--|--|--|--|
| G 3/8 | 8.5 | 24 | 18 | 262.5 | 67 | | | | | | | | |
| G 1/2 | 8.5 | 24 | 18 | 262.5 | 67 | | | | | | | | |
| G 3/4 | 8.5 | 24 | 18 | 262.5 | 67 | | | | | | | | |