

Preparation of compressed air → Maintenance units and components

Maintenance unit, 3-part, Series AS2-ACT

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► For padlocks ► with pressure gauge ► ATEX certified



00119436

| | |
|-------------------------------|--|
| ATEX | II 2G2D T4 X |
| Version | 3-part, Can be assembled into blocks |
| Parts | Filter, Pressure controller, lubricator |
| Mounting orientation | vertical |
| Working pressure min./max. | See table below |
| Medium | Compressed air |
| Medium temperature min./max. | -10 °C / +50 °C |
| Ambient temperature min./max. | -10 °C / +50 °C |
| Regulator type | Diaphragm-type pressure regulator |
| Regulator function | with relieving air exhaust |
| Adjustment range min./max. | 0.5 bar / 8 bar |
| Pressure supply | single |
| Filter reservoir volume | 28 cm ³ |
| Filter element | exchangeable |
| Condensate drain | See table below |
| Lubricator reservoir volume | 40 cm ³ |
| Type of filling | Manual oil filling Semi-automatic oil filling during operation |
| Oil type | HLP 68 (DIN 51 524 - ISO VG 68) HLP 32 (DIN 51 524 - ISO VG 32) |
| Materials: | |
| Front plate | Acrylonitrile butadiene styrene |
| Seals | Acrylonitrile Butadiene Rubber |
| Threaded bushing | Die cast zinc |
| Filter insert | Polyethylene |

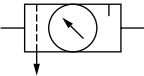
Technical Remarks

- 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. residual oil content acc. to ISO 8573-4 at the outlet: 10 mg/m³

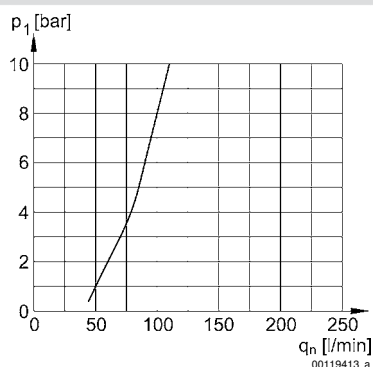
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| | Port | Qn | Working pressure min./max. | Condensate drain | Weight | Note | Part No. |
|--|-------|---------|-------------------------------|--|--------|--------|-------------------|
| | | [l/min] | [bar] | | [kg] | | |
|  | G 1/4 | 1400 | 1.5 / 16 | semi-automatic, open without pressure | 0.78 | 1); 3) | R412006318 |
| | G 1/4 | 1400 | 1.5 / 16 | semi-automatic, open without pressure | 0.78 | 2) | R412006324 |
| | G 1/4 | 1400 | 1.5 / 16 | fully automatic, open without pressure | 0.825 | 1); 3) | R412006319 |
| | G 1/4 | 1400 | 1.5 / 16 | fully automatic, open without pressure | 0.825 | 2) | R412006325 |
| | G 1/4 | 1400 | 0 / 16 | fully automatic, closed without pressure | 0.825 | 1); 3) | R412006320 |
| | G 1/4 | 1400 | 0 / 16 | fully automatic, closed without pressure | 0.825 | 2) | R412006326 |
| | G 3/8 | 1600 | 1.5 / 16 | semi-automatic, open without pressure | 0.78 | 1); 3) | R412006327 |
| | G 3/8 | 1600 | 1.5 / 16 | semi-automatic, open without pressure | 0.78 | 2) | R412006333 |
| | G 3/8 | 1600 | 1.5 / 16 | fully automatic, open without pressure | 0.825 | 1); 3) | R412006328 |
| | G 3/8 | 1600 | 1.5 / 16 | fully automatic, open without pressure | 0.825 | 2) | R412006334 |
| | G 3/8 | 1600 | 0 / 16 | fully automatic, closed without pressure | 0.825 | 1); 3) | R412006329 |
| | G 3/8 | 1600 | 0 / 16 | fully automatic, closed without pressure | 0.825 | 2) | R412006335 |
| 1) Reservoir: Polycarbonate 2) Reservoir: Die cast zinc 3) Protective guard: Polyamide Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar | | | | | | | |

Lubricator activation margin



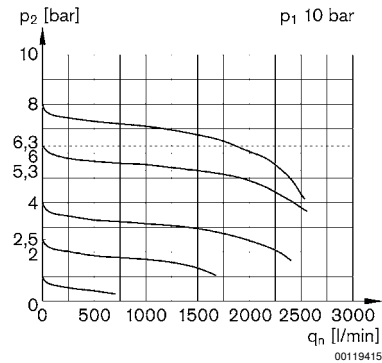
p1 = working pressure
qn = nominal flow

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Flow rate characteristic (p₂: 0,5 - 8 bar)



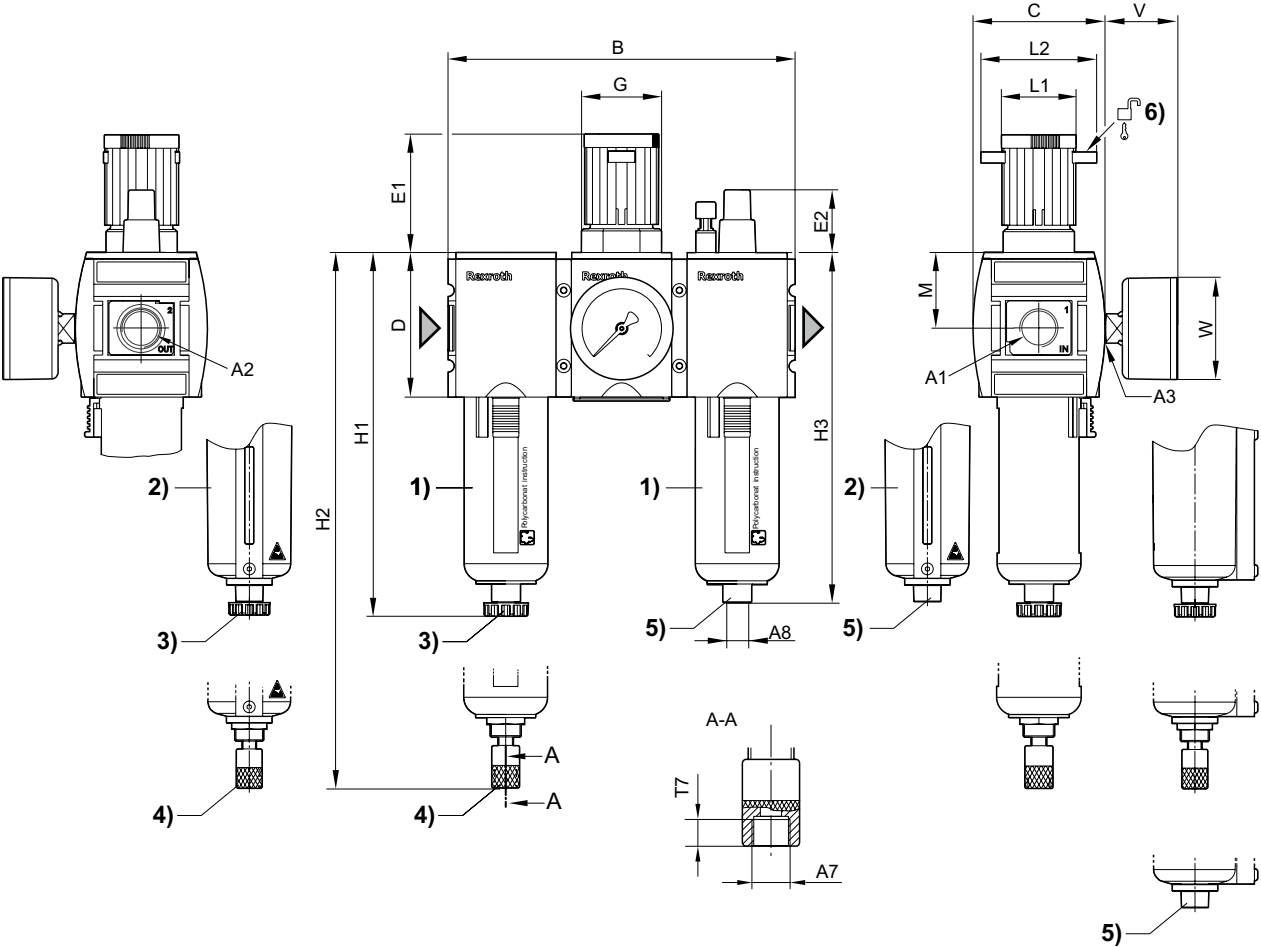
p₁ = Working pressure
 p₂ = Secondary pressure
 q_n = Nominal flow

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Dimensions



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

| A1 | A2 | A3 | A7 | A8 | B | C | D | E1 | E2 | G | H1 | H2 |
|-------|-------|-------|-------|-------|-----|----|----|------|------|---------|-------|-------|
| G 1/4 | G 1/4 | G 1/4 | G 1/8 | G 1/8 | 156 | 59 | 65 | 57.9 | 29.5 | M36x1,5 | 163.5 | 180.5 |
| G 3/8 | G 3/8 | G 1/4 | G 1/8 | G 1/8 | 156 | 59 | 65 | 57.9 | 29.5 | M36x1,5 | 163.5 | 180.5 |

| A1 | H3 | M | L1 | L2 | T7 | V | W | | | | | |
|-------|-----|----|----|----|-----|----|----|--|--|--|--|--|
| G 1/4 | 157 | 34 | 34 | 54 | 8.5 | 37 | 50 | | | | | |
| G 3/8 | 157 | 34 | 34 | 54 | 8.5 | 37 | 50 | | | | | |