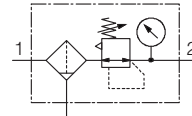
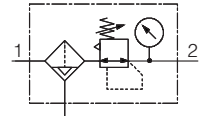




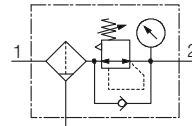
Symbol



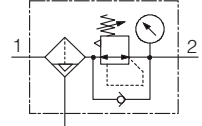
F1...-MICRO/MINI/MIDI
Manual rotary condensate drain,
with pressure gauge



Semi or fully automatic condensate drain,
with pressure gauge



F1...-MAXI
Manual rotary condensate drain,
with pressure gauge



Fully automatic condensate drain,
with pressure gauge

Ordering code

| | | | | | | | |
|---------------|----------------------|--|----------------------------|-------------------------|----------------------|--|-----------------------|
| O | FR | □ | 5M | 7 | MINI | H | E |
| Series | Function Code | Port size | Grade of Filtration | Working Pressure | Size | Condensate drain | Shell material |
| O O Series | Filter & regulator | G1/8" G1/4" G3/8" G1/2" G3/4" G1" | Blank 40µm 5M 5µm | Blank 12bar 7 7bar | MINI MIDI MAXI | Blank Turned manually H Semi-automatic A Fully automatic | Blank Zinc E Alu. |

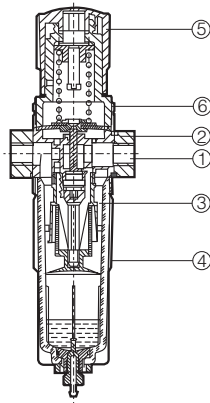
Installation and use

Filter and pressure regulator combine a single unit, and cleans the compressed air of fluid oil, condensation and dirt particles. For special application, the standard 40µm filter element may easily be replaced by a 5µm filter element. The R maintain im putting constant operating pressure despite fluctuation in line pressure and the amount of air consumed.

Specification

| Size | Micro | | | | Mini | | | Midi | | | | Maxi | | | | |
|---------------------------------|---|--------|------|-----|-----------------------|--------|------|---------------|------|------|------|---------------|------|------|----|--|
| Pneumatic connection | M5 | M7 | G1/8 | QS4 | QS6 | G1/8 | G1/4 | G3/8 | G1/4 | G3/8 | G1/2 | G3/4 | G1/2 | G3/4 | G1 | |
| Operating medium | Compressed air | | | | | | | | | | | | | | | |
| Design | Filter regulator, with/without pressure gauge | | | | | | | | | | | | | | | |
| Type of mounting | Via accessories | | | | | | | | | | | | | | | |
| Assembly position | In-line installation | | | | | | | | | | | | | | | |
| Regulator lock | Vertical ±5° | | | | | | | | | | | | | | | |
| Regulator lock | Rotary knob with lock | | | | | | | | | | | | | | | |
| Grade of filtration (µm) | - | | | | Rotary knob with lock | | | | | | | | | | | |
| Max. hysteresis (bar) | 5 | | | | 5(or)40 | | | | | | | | | | | |
| Pressure regulation range (bar) | 0.3 | | | | 0.2 | | | | | | | | | | | |
| Pressure regulation range (bar) | 0.5...7 | | | | 0.5...7 | | | | | | | | | | | |
| Pressure regulation range (bar) | | | | | 0.5...12 | | | | | | | | | | | |
| Pressure indication | Via pressure gauge | | | | | | | | | | | | | | | |
| Max. condensate volume (cm³) | M5 Prepared | | | | G1/8 Prepared | | | G1 4 Prepared | | | | G1 4 Prepared | | | | |
| Input pressure (bar) | 3 | | | | 22 | | | 43 | | | | 80 | | | | |
| Condensate drain | Turnde manually | 1...10 | | | | 2...16 | | | | | | | | | | |
| | Semi-automatic | 1...10 | | | | - | | | | | | | | | | |
| | Fully automatic | - | | | | 2...12 | | | | | | | | | | |

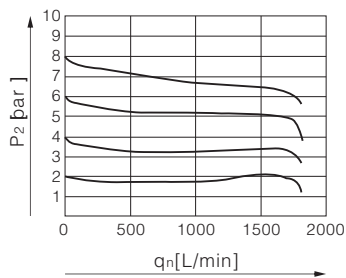
Inner structure



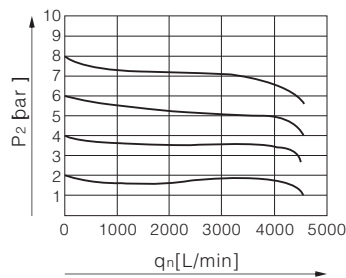
| No. | Item | Material |
|-----|------------------|----------------------------|
| 1 | Casing | Die-casting Zinc Alloy |
| 2 | Connecting Plate | Die-casting Aluminum Alloy |
| 3 | Filter Bowl | Polycarbonate |
| 4 | Protecting Cover | Aluminum |
| 5 | Adjustable knob | POM |
| 6 | Knurled Nut | Aluminum |
| | Seal | NBR |

Standard Flow Rate q_n as Function of The Output Pressure p_2

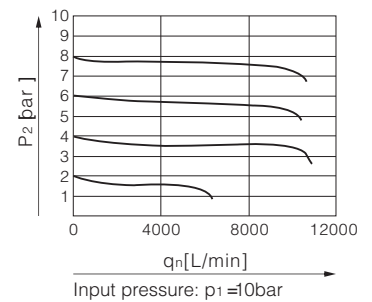
OFR-1/4-MINI



OFR-1/2-MIDI

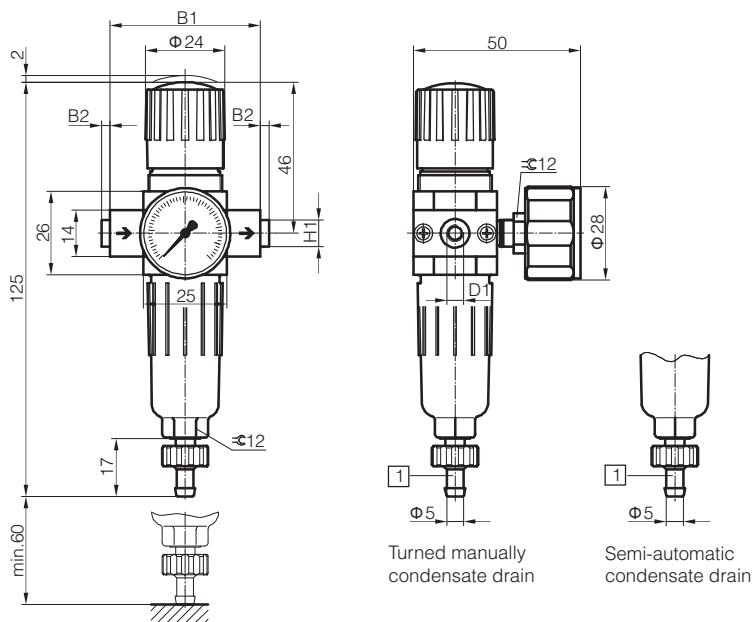


OFR-1-MAXI



Dimensions

Micro

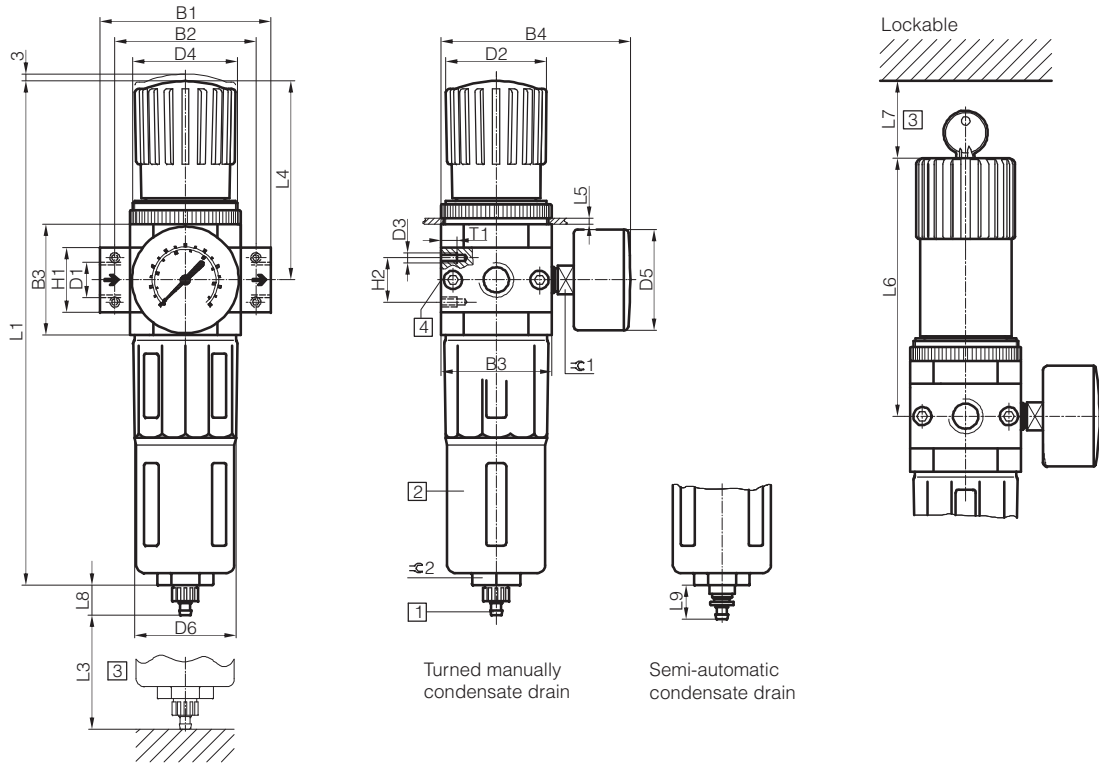


1 Barbde fitting for plastic tubing type PCN -4

→ Flow direction

| Model | B1 | B2 | D1 | H1 |
|---------------------|----|------|-------|----|
| OFR-M5...-MICRO(H) | 25 | - | M5 | - |
| OFR-M7...-MICRO(H)B | | | M7 | |
| OFR-1/8...-MICRO(H) | 45 | ~2.5 | G 1/8 | ~8 |
| OFR-QS4...-MICRO(H) | | | QS4 | |
| OFR-QS6...-MICRO(H) | | | QS6 | |

Mini/Midi/Maxi



- 1 Barbde fitting for plastic tubing type PCN-4
 - 2 Metal bowl guard
 - 3 Installation dimensions
 - 4 Second pressure gauge connection
- ➔ Flow direction

Turned manually condensate drain Semi-automatic condensate drain

| Model | B1 | B2 | B3 | B4 | D1 | D2Φ | D3 | D4 | D5Φ | D6Φ | H1 | H2 | L1 | L3 | L4 | L5 max. | L6 | L7 | L8 | L9 | T1 | ≈C1 | ≈C2 | | | |
|-------------------|-----|----|----|-----|------|-----|---------|---------|-----|-----|-----|-----|-----|-----|----|---------|-----|----|----|----|----|-----|-----|---------|-----|-----|
| Mini | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OFR-1/8-D-MINI | 64 | 52 | 40 | 76 | G1/8 | 31 | M4 | M36×1.5 | 41 | 38 | 20 | 11 | 193 | 60 | 68 | 3 | 98 | 60 | 15 | 19 | 7 | 14 | 22 | | | |
| OFR-1/4-D-MINI | | | | | G1/4 | | | | | | | | | | | | | | | | | | | | | |
| OFR-3/8-D-MINI | 70 | | | | G3/8 | | | | | | | | | | | | | | | | | | | | | |
| Midi | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OFR-1/4-D-MIDI | 85 | 70 | 55 | 95 | G1/4 | 50 | M5 | M52×1.5 | 50 | 52 | 32 | 22 | 250 | 80 | 99 | 5 | 130 | 60 | 15 | 19 | 8 | 14 | 24 | | | |
| OFR-3/8-D-MIDI | | | | | G3/8 | | | | | | | | | | | | | | | | | | | | | |
| OFR-1/2-D-MIDI | | | | | G1/2 | | | | | | | | | | | | | | | | | | | | | |
| OFR-3/4-D-MIDI | | | | | G3/4 | | | | | | | | | | | | | | | | | | | | | |
| Maxi | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OFR-1/2-D-MAXL | 96 | 80 | 66 | 107 | G1/2 | M5 | M36×1.5 | 50 | 65 | 32 | 22 | 252 | 90 | 275 | 82 | 4 | 111 | 60 | 15 | 19 | 8 | 14 | 24 | | | |
| OFR-1/2-D-DI-MAXL | | | | | 49 | | | | | | | | | | | | | | | | | | | M52×1.5 | 105 | 135 |
| OFR-3/4-D-MAXL | | | | | 31 | | | | | | | | | | | | | | | | | | | M36×1.5 | 82 | 111 |
| OFR-3/4-D-DI-MAXL | | | | | 49 | | | | | | | | | | | | | | | | | | | M52×1.5 | 105 | 135 |
| OFR-1-D-MAXL | 116 | 91 | | | G1 | 31 | M36×1.5 | | | 40 | 252 | | | 82 | | | | | | | | | | | | |
| OFR-1-D-DI-MAXL | | | | | 49 | | | | | | | | | | | | | | | | | | | M52×1.5 | 105 | 135 |

Note: This product conforms with ISO 1179-1 standard and the ISO 228-1 standard.