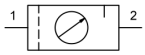
Partnership. With Guarantee.

# Maintenance unit 1/2"
# Series FRL






| | |
|---|---|
| Design type | Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, Proportional lubricator, Protective cage |
| Connection | G1/2" according to ISO228/1 |
| Materials | Housing Acetal resin (POM), Threaded connections Brass, Reservoir Polyamide, Protective cage PE, Seals NBR |
| Function | Pressure regulation plus filtration plus enrichment of the compressed air with oil |
| Mounting type | Installation in piping system, Locknut or Wall mounting using mounting bracket |
| Mounting position | vertical, Condensate and oil reservoir downward |
| Medium | Compressed air |
| Medium temperature | +5...+50°C |
| Ambient temperature | +5...+50°C |
| Inlet pressure | max. 12,5bar, 1,5...10bar with automatic drain valve K-SA |
| Control ranges | see "Order code" |
| Flow direction | is marked by an arrow |
| Locking mechanism | the pressure setting can be locked by pressing in the rotary knob |
| Condensate drain valve | manual or semi-automatic |
| Reservoir volume | Filter regulator and Lubricator 140cm³ |
| Oil metering | 1-2 drops per minute, with flow through the unit |
| recommended oil | after ISO VG 32, STASTO pneumatic oil HP32A |
| Scope of delivery | including Pressure gaugeØ40mm and Locknut |

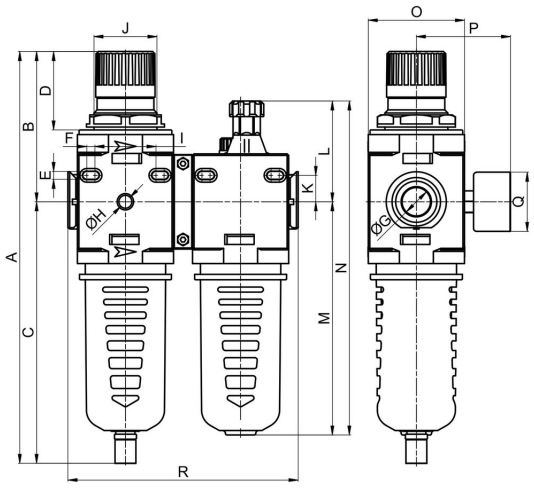


+43 512 52076
austria@stasto.eu
© STASTO Automation KG

## Order code

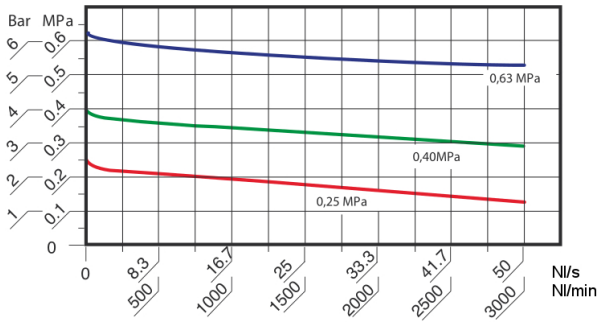
| | | FRL - 12 - 20 - 08 - R - PE - SS |
|---|---|---|
| **Connection** | 1/2" | 12 |
| **Filter element** | 20µm | 20 |
| | 5µm | 5 |
| **Pressure range** | 0,5...4bar | 04 |
| | 0,5...8bar | 08 |
| | 0,5...12bar | 12 |
| **Secondary exhaust venting** | with secondary exhaust air release | R |
| **Reservoir** | Plastic bowl with protective guard | PE |
| **Drain valve** | Manual drain valve | SS |
| | automatic drain valve | SA |

## Dimensions



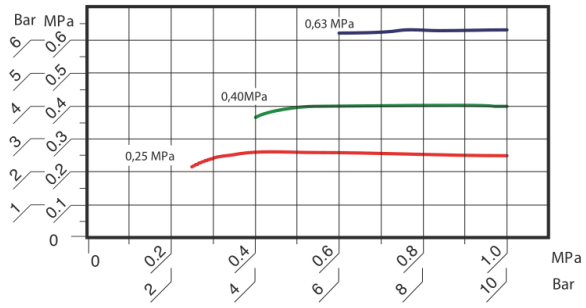

| Connection G | A | B | C | D | E | F | H | I | J | K | L | M | N | O | P | Q | R | Weight [approx. kg] | Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G1/2" | 271 | 99 | 172 | 52 | 5 | 5,5 | G1/8" | 40 | M42x2 | 17,5 | 66,5 | 153,5 | 220 | 63 | ~62 | 40 | 151 | 0,94 | FRL-12-20-08-R-PE-SS |

## Flow diagram



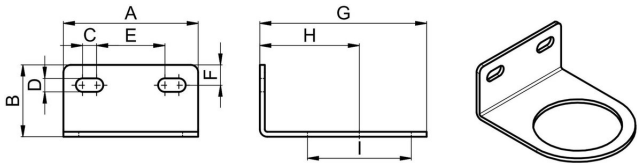

Inlet pressure = 10bar

## Control characteristic




Flow rate constant = 900Nl/min
horizontal axis: Inlet pressure
vertical axis: Outlet pressure

## Accessories




| A | B | C | D | E | F | G | H | I | Type |
|---|---|---|---|---|---|---|---|---|---|
| 54,5 | 29 | 6 | 5,5 | 27,5 | 8 | 67,5 | 40 | 42 | K-BRL |

Illustrations non-binding
Design, dimensional and material changes reserved




+43 512 52076
austria@stasto.eu
© STASTO Automation KG