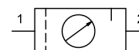


## Maintenance unit 1" Series FRL



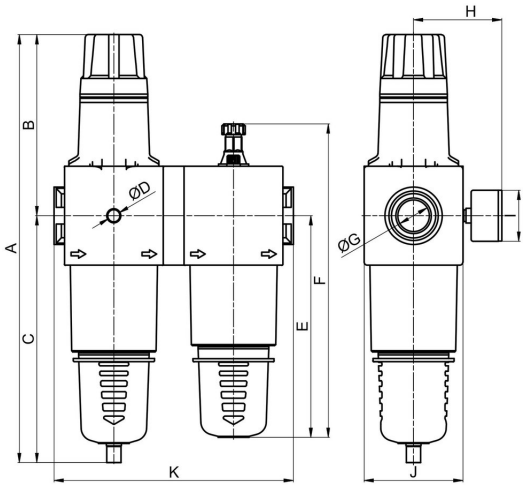
|                        |                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type            | Diaphragm pressure regulator with secondary venting, Centrifugal force principle filter, Sintered filter element, Proportional lubricator, Protective cage |
| Connection             | G1" 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 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                                                                                                                                      |
| Condensate drain valve | manual or semi-automatic                                                                                                                                   |
| Reservoir volume       | Filter regulator and Lubricator 440cm³                                                                                                                     |
| 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 gauge Ø50mm                                                                                                                             |



Order code

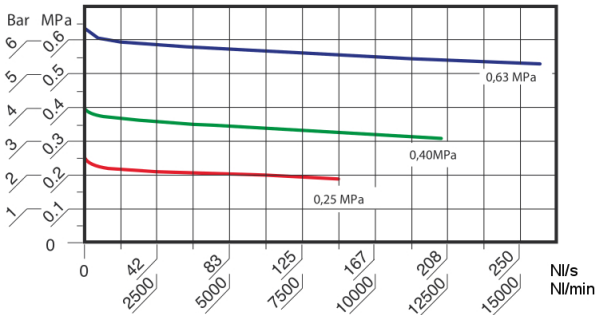
|                                  |                                    |    |  |  |  |  |    |    |  |
|----------------------------------|------------------------------------|----|--|--|--|--|----|----|--|
| FRL - 10 - 20 - 08 - R - PE - SS |                                    |    |  |  |  |  |    |    |  |
| Connection                       | 1"                                 | 10 |  |  |  |  |    |    |  |
| 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



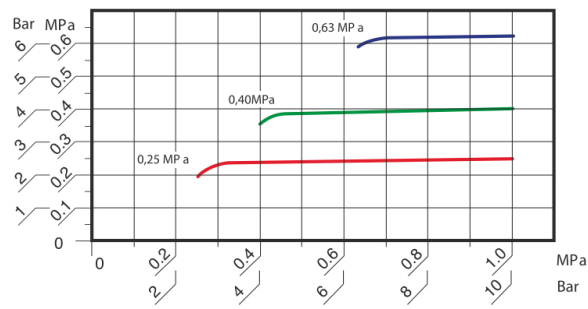
| Connection G | A   | B   | C   | D     | E     | F     | H   | I  | J  | K   | Weight [approx. kg] | Type                 |
|--------------|-----|-----|-----|-------|-------|-------|-----|----|----|-----|---------------------|----------------------|
| G1"          | 411 | 174 | 237 | G1/4" | 212,5 | 300,5 | ~85 | 50 | 95 | 230 | 3,37                | FRL-10-20-08-R-PE-SS |

Flow diagram



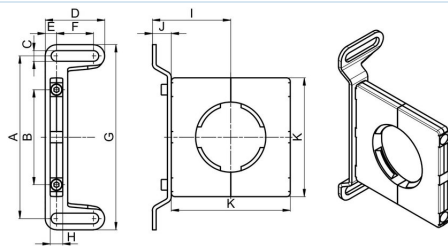
Inlet pressure = 10bar

Control characteristic



Flow rate constant = 1500Nl/min  
horizontal axis: Inlet pressure  
vertical axis: Outlet pressure

Accessories



| A   | B  | C   | D    | E | F    | G   | H  | I    | J  | K  | Type    |
|-----|----|-----|------|---|------|-----|----|------|----|----|---------|
| 130 | 76 | 8,5 | 47,5 | 9 | 29,5 | 148 | 10 | 62,5 | 15 | 95 | K-WBF-A |

Illustrations non-binding  
Design, dimensional and material changes reserved