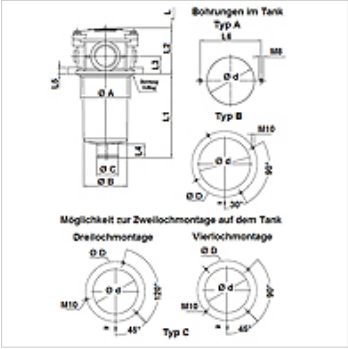
# FI RL
Return flow filters

HANSA-FLEX

## Properties

| | |
|---|---|
| **Design** | with bypass valve 1.75 bar, without clogging indicator |
| **Temp. min.** | -25 °C |
| **Temp. max.** | 110 °C |
| **Material** | Gasket: NBR |
| **Operating pressure** | max. 8 bar |
| **Scope of supply** | incl. filter element |






## Note

Dimension “L”: clearance required for changing the filter element

## Description

Return flow filter for fitting into the tank cap; dimensions for drilling pattern see graphic.
Pressure differential for filter element paper (P) max. 3 bar
Pressure differential for inorganic filter element (A) max. 10 bar
Connector for clogging indicator G 1/8” closed with bolt
Design (Qmax.) for medium ISO VG 46 <br>at 50°C (30 mm2/s) at Δptot = 0.4 bar

## Item

| Identification | Line connection | Ø A (mm) | Ø B (mm) | Ø C (mm) | Ø D (mm) | Ø d (mm) | Q max. (L/min) | L (mm) | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | L5 (mm) | L6 (mm) | Type | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FI RL 024 A10 N V G1/2** | G 1/2” | 66,0 | 60,0 | 32,0 | 90,0 | 67,0 | 24 | 100,0 | 86,0 | 59,0 | 22,0 | 19,0 | 8,0 | 90,0 | A | 0,36 |
| **FI RL 048 P10 N V G1/2** | G 1/2” | 66,0 | 60,0 | 32,0 | 90,0 | 67,0 | 60 | 100,0 | 86,0 | 59,0 | 22,0 | 19,0 | 8,0 | 90,0 | A | 0,40 |
| **FI RL 053 A10 N V G1/2** | G 1/2” | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 53 | 120,0 | 100,0 | 82,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,74 |
| **FI RL 110 P10 N V G1/2** | G 1/2” | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 86 | 120,0 | 100,0 | 82,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,61 |
| **FI RL 053 A10 N V G3/4** | G 3/4” | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 53 | 120,0 | 100,0 | 82,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,74 |
| **FI RL 086 P10 N V G3/4** | G 3/4” | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 86 | 120,0 | 100,0 | 82,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,74 |
| **FI RL 053 A10 N V G1** | G 1" | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 53 | 120,0 | 100,0 | 82,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,76 |
| **FI RL 086 P10 N V G1** | G 1" | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 86 | 120,0 | 100,0 | 82,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,76 |
| **FI RL 064 A10 N V G3/4** | G 3/4” | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 64 | 170,0 | 150,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,76 |
| **FI RL 150 P10 N V G3/4** | G 3/4” | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 110 | 170,0 | 150,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,61 |
| **FI RL 064 A10 N V G1** | G 1" | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 64 | 170,0 | 150,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,76 |
| **FI RL 150 P10 N V G1** | G 1" | 88,0 | 80,0 | 38,0 | 115,0 | 89,0 | 110 | 170,0 | 150,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,61 |
| **FI RL 125 A10 N V G3/4** | G 3/4” | 88,0 | 80,0 | 46,5 | 115,0 | 89,0 | 125 | 250,0 | 225,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,88 |
| **FI RL 225 P10 N V G3/4** | G 3/4” | 88,0 | 80,0 | 46,5 | 115,0 | 89,0 | 220 | 250,0 | 225,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,67 |
| **FI RL 125 A10 N V G1** | G 1" | 88,0 | 80,0 | 46,5 | 115,0 | 89,0 | 125 | 250,0 | 225,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,88 |
| **FI RL 225 P10 N V G1** | G 1" | 88,0 | 80,0 | 46,5 | 115,0 | 89,0 | 220 | 250,0 | 225,0 | 80,0 | 32,0 | 24,0 | 12,0 | 115,0 | A | 0,67 |
| **FI RL 230 A10 N V G11/4** | G 1.1/4” | 129,5 | 112,0 | 47,0 | 175,0 | 131,0 | 230 | 250,0 | 233,0 | 91,0 | 35,0 | 31,0 | 13,0 | 175,0 | C | 1,86 |
| **FI RL 190 P10 N V G11/4** | G 1.1/4” | 129,5 | 112,0 | 47,0 | 175,0 | 131,0 | 280 | 250,0 | 233,0 | 91,0 | 35,0 | 31,0 | 13,0 | 175,0 | C | 2,20 |
| **FI RL 290 A10 N V G11/4** | G 1.1/4” | 173,5 | 150,0 | 51,0 | 220,0 | 174,5 | 290 | 200,0 | 180,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,42 |
| **FI RL 280 P10 N V G11/4** | G 1.1/4” | 173,5 | 150,0 | 51,0 | 220,0 | 174,5 | 370 | 200,0 | 180,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,00 |
| **FI RL 290 A10 N V G11/2** | G 1.1/2” | 173,5 | 150,0 | 51,0 | 220,0 | 174,5 | 290 | 200,0 | 180,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,42 |
| **FI RL 370 P10 N V G11/2** | G 1.1/2” | 173,5 | 150,0 | 51,0 | 220,0 | 174,5 | 370 | 200,0 | 180,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,42 |
| **FI RL 290 A10 N V G2** | G 2" | 173,5 | 150,0 | 51,0 | 220,0 | 174,5 | 290 | 200,0 | 180,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,42 |
| **FI RL 370 P10 N V G2** | G 2" | 173,5 | 150,0 | 51,0 | 220,0 | 174,5 | 370 | 200,0 | 180,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,42 |
| **FI RL 450 A10 N V G11/2** | G 1.1/2” | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 450 | 250,0 | 238,0 | 98,5 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,42 |
| **FI RL 320 P10 N V G11/2** | G 1.1/2” | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 610 | 250,0 | 238,0 | 98,5 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,50 |
| **FI RL 540 A10 N V G11/2** | G 1.1/2” | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 540 | 310,0 | 290,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,70 |
| **FI RL 420 P10 N V G11/2** | G 1.1/2” | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 675 | 310,0 | 290,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,70 |
| **FI RL 540 A10 N V G2** | G 2" | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 540 | 310,0 | 290,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,70 |
| **FI RL 675 P10 N V G2** | G 2" | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 675 | 310,0 | 290,0 | 97,0 | 38,5 | 38,0 | 12,5 | 220,0 | B | 3,70 |
| **FI RL 620 A10 N V SAE2** | 2" SAE 3000 PSI/M | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 620 | 450,0 | 430,0 | 105,0 | 48,5 | 38,0 | 12,5 | 220,0 | B | 5,68 |
| **FI RL 750 P10 N V SAE2** | 2" SAE 3000 PSI/M | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 750 | 450,0 | 430,0 | 105,0 | 48,5 | 38,0 | 12,5 | 220,0 | B | 5,68 |
| **FI RL 620 A10 N V G2** | G 2" | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 620 | 450,0 | 430,0 | 105,0 | 48,5 | 38,0 | 12,5 | 220,0 | B | 5,68 |
| **FI RL 750 P10 N V G2** | G 2" | 173,5 | 150,0 | 64,0 | 220,0 | 174,5 | 750 | 450,0 | 430,0 | 105,0 | 48,5 | 38,0 | 12,5 | 220,0 | B | 5,68 |

A10 with inorganic filter (10 µm), absolute filtration – P10 paper filter (10 µm), nominal filtration – Qmax - max intake volumetric flow

*Despite careful checking, we cannot guarantee the accuracy of all information included on this site, and we accept no liability.*

## Accessories

| | |
|---|---|
| **HK VA MAN** | Clogging indicator pressure gauge |
| **FI RL RVL** | Tube extension for return flow filter |

## Spare parts

| | |
|---|---|
| **FI RL E MP** | Filter element for return filter MP |
| **FI RL GEH** | Housing for return flow filter |

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