

SYSTEM CARE

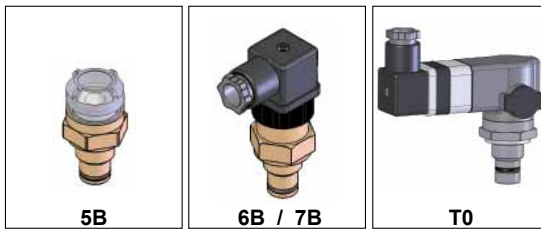
Off-line Filters

OF



CLOGGING INDICATOR

A differential clogging indicator allows monitoring filter element and provides the exact time for replace the element.



BYPASS VALVE

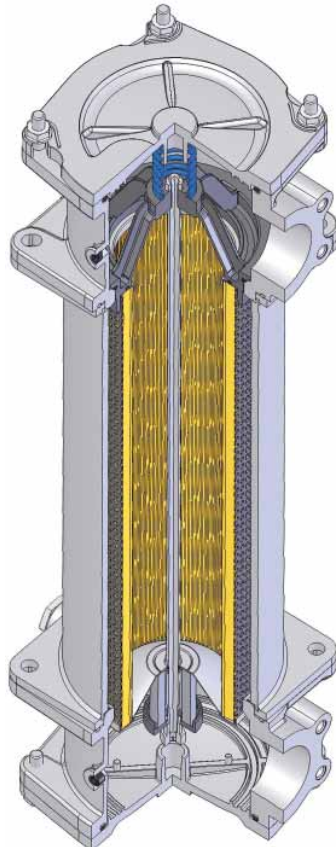
The bypass function is obtained by the filter element moving axially, in such a way that the contaminant is retained in the filter element during bypass.

FILTER ELEMENT "LONG LIFE"

Filter elements are manufactured with a large surface area, in order to ensure a high dirt holding capacity. Inside to outside filtration ensures the contaminant is retained inside the element during replacement.

FLEXIBILITY OF INSTALLATION

Outlet port should be rotate by 90° interval respect to the inlet port, in order to obtain better mounting position and solve most of mounting problems.



MATERIALS

Heads and Covers:
Aluminium Alloy

Bowl:
Steel

Element Holder:
Polyamide OF24
Aluminium Alloy OF34

Seals:
NBR Nitrile

Indicator housing:
Brass

PRESSURE (ISO 10771-1:2002)

Max working:
1 MPa (10 bar)

Test:
1,5 MPa (15 bar)

Bursting:
3 MPa (30 bar)

Collapse, differential
for the filter element: 1 MPa (10 bar)

BYPASS VALVE

Setting: 150 kPa (1,5 bar) +/-10%

WORKING TEMPERATURE

From -25° to +110° C

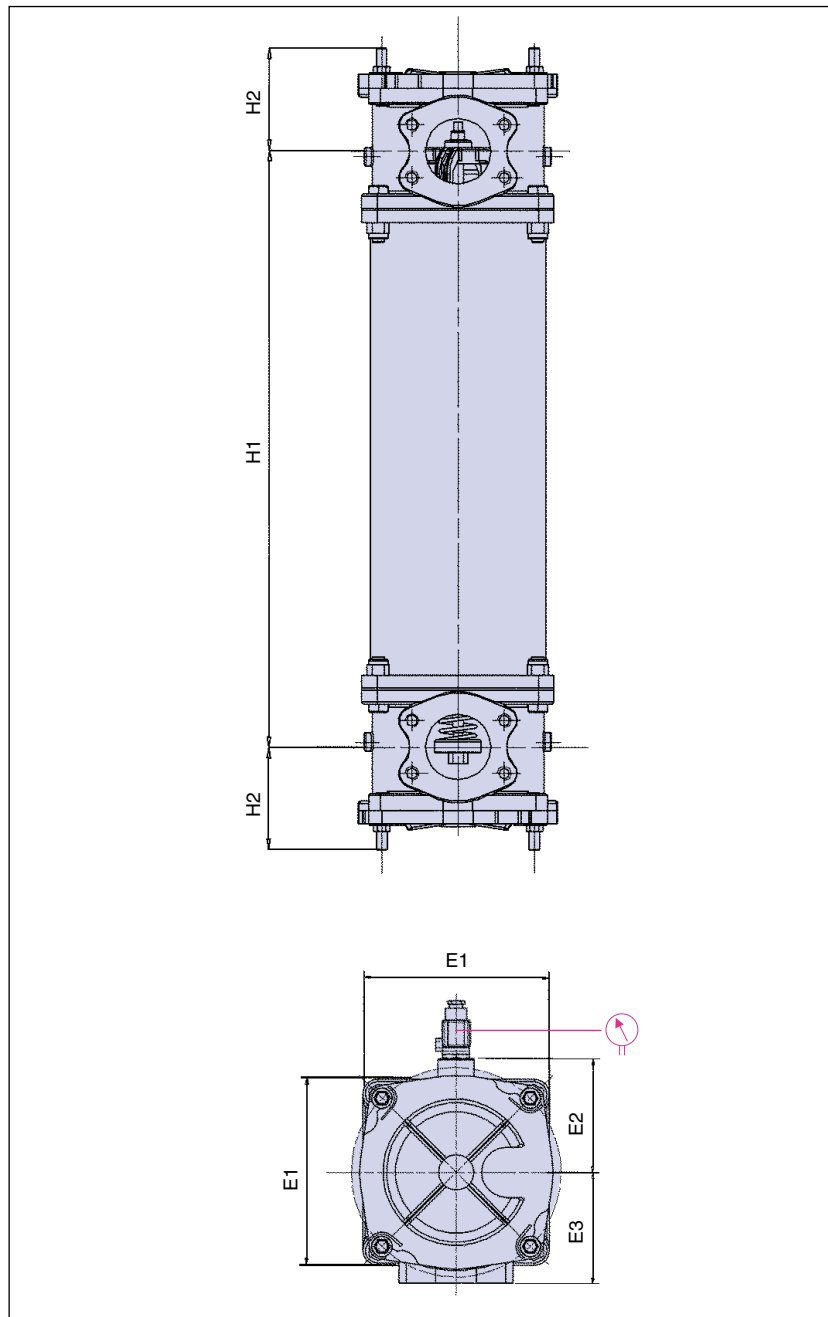
COMPATIBILITY (ISO 2943:1999)

Full with fluids: HH-HL-HM-HR-HV-HG
(according to ISO 6743/4)
For fluids different than the above mentioned,
please contact our Sales Department.



INSTALLATION DRAWING

- in Fluid Energy Management



DIMENSIONS AND WEIGHTS

FILTER HOUSING

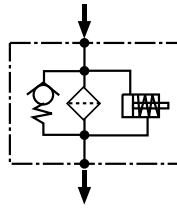
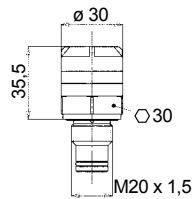
	PORT SIZE	E1	E2	E3	H1	H2	kg
FOF24	1 1/2"	150	100	90	513	93	18,0
FOF34	2 1/2"	185	113	110	568	82	19,6



CLOGGING INDICATORS

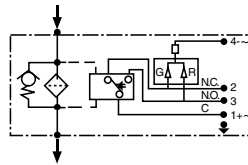
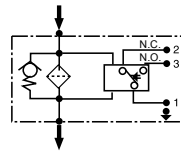
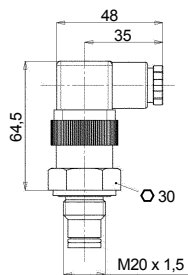


SERIES 5B



Series 5B:
differential visual indicator
130 kPa (1,3 bar)

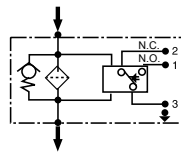
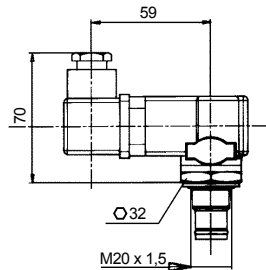
SERIES 6B & SERIES 7B



Series 6B (series 7B with LED - 24V):
differential electrical indicator
130 kPa (1,3 bar)

Connector according to DIN 43650.
Protection IP65 according to DIN 40050.
SPDT: C.A. 125-250 V
> max resistive or inductive load 1A;
C.C. 14-30 V
> max resistive or inductive load 4-3 A resp.

SERIES T0



Series T0:
differential electrical indicator
with thermostat 30°C,
130 kPa (1,3 bar)

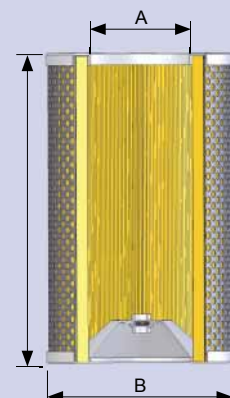
Connector according to DIN 43650.
Protection IP65 according to DIN 40050.
SPDT: C.A. 125-250 V
> max resistive or inductive load 1A;
C.C. 14-30 V
> max resistive or inductive load 4-3 A resp.

SERIES 70 AVAILABLE ONLY ON REQUEST - SEE SUMMING UP OF THE CLOGGING INDICATORS

Recommended tightening torque 90 Nm

FILTER ELEMENT

	A	B	C	kg	Area (cm ²)	
					Media F+	Media C+
ERF24	72	106	465	1,50	9.700	11.800
ERF34	92	126	480	2,20	12.800	15.400

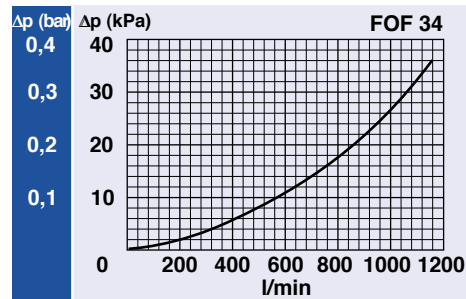
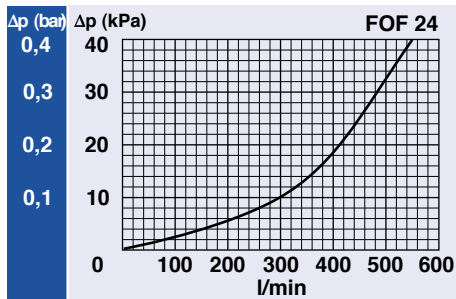




PRESSURE DROP CURVES (Δp)

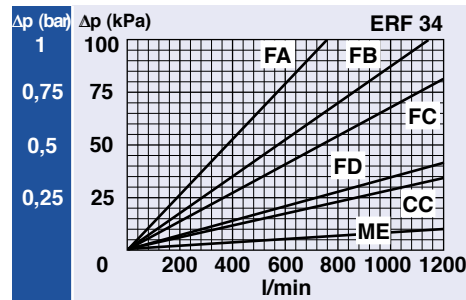
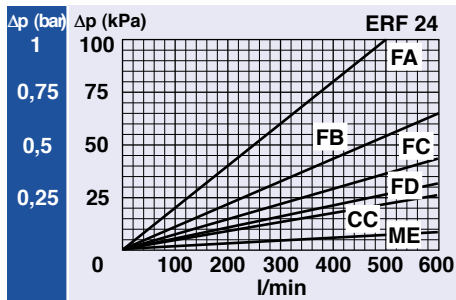
The "Assembly Pressure Drop (Δp)" is obtained by adding the pressure drop values of the Filter Housing and of the Clean Filter Element corresponding to the considered Flow Rate and it must be lower than 50 kPa (0,5 bar).

FILTER HOUSING PRESSURE DROP (mainly depending on the port size)



CLEAN FILTER ELEMENT PRESSURE DROP

(depending both on the internal diameter of the element and on the filter media)



BYPASS VALVE PRESSURE DROP

When selecting the filter size, these curves must be taken into account if it is foreseen that any flow peak is to be absorbed by the bypass valve, it also must be of proper configuration to avoid pressure peaks. The valve pressure drop is directly proportional to fluid specific gravity.

