GOF
OFF-LINE FILTERS

ECOFRIENDLY VERSION

DESCRIPTION

Ecofriendly Off-line filter, inside to outside filtration

MATERIALS

Head and covers: Aluminum alloy
Bowl: Steel
Element Holder: Aluminum Alloy
Seals: NBR Nitrile
Indicator housing: Brass

PRESSURE

Max. working: 1 MPa (10 bar)
Collapse, differential for the filter element (ISO 2941):
1 MPa (10 bar)

BYPASS VALVE

Setting: 170 kPa (1,7 bar) ± 10%

FLOW RATE

Qmax 1500 l/min

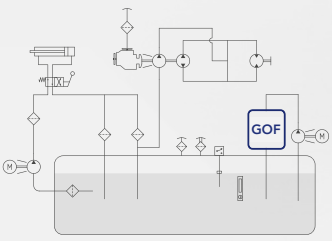
WORKING TEMPERATURE

From -25° to +110° C

COMPATIBILITY (ISO 2943)

Full with fluids: HH-HL-HM-HV-HTG
(according to ISO 6743/4)
For fluids different than the above mentioned,
please contact our Customer Service

HYDRAULIC DIAGRAM



Is this datasheet the latest release? Please check on our website

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ORDERING AND OPTION CHART

G	O	F	COMPLETE FILTER FAMILY			FILTER ELEMENT FAMILY	I	R	F
I	O	F	SIZE & LENGTH	34	36	SIZE & LENGTH			
			PORT TYPE						
			F = SAE flange 3000 psi	F	F				
			A= SAE flange 3000 psi (IN-OUT opposite 180°)	A	A				
			PORT SIZE						
			16 = 2"	16	16				
			20 = 2"1/2	20	20				
			BYPASS VALVE						
			W = without bypass	W	W				
			F = 170 kPa (1,7 bar)	F	F				
			SEALS			**SEALS**			
			N = NBR Nitrile	N	N				
			F = FKM Fluoroelastomer	-	-				
			FormulaUFI MEDIA			**FormulaUFI MEDIA**			
			FA = FormulaUFI.MICRON 5 $\mu m_{(c)}$ β>1.000	FA	FA				
			FB = FormulaUFI.MICRON 7 $\mu m_{(c)}$ β>1.000	FB	FB				
			FC = FormulaUFI.MICRON 12 $\mu m_{(c)}$ β>1.000	FC	FC				
			FD = FormulaUFI.MICRON 21 $\mu m_{(c)}$ β>1.000	FD	FD				
			FE = FormulaUFI.MICRON 30 $\mu m_{(c)}$ β>1.000	FE	FE				
			CLOGGING INDICATOR						
			03 = port, plugged	03	03				
			5B = visual differential 130 kPa (1,3 bar)	5B	5B				
			6B = electrical differential 130 kPa (1,3 bar)	6B	6B				
			7B = indicator 6E with LED	7B	7B				
			T0 = elect. diff. 130 kPa (1,3 bar) with thermostat 30°C	T0	T0				
			ACCESSORIES						
			W = without accessory	W	W				
			M = magnetic core	M	M				
			ACCESSORIES						
			W = without accessory	W	W				
			B = mounting brackets	B	B				

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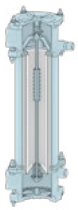
SPARE PARTS

FILTER HOUSING	FILTER ELEMENT	CLOGGING INDICATOR	ACCESSORY
			
I O F	I R F		

SPARE SEAL KIT

	NBR
GOF34-36	521.0137.2

SPARE SPRING

GOF34-36	008.0275.1

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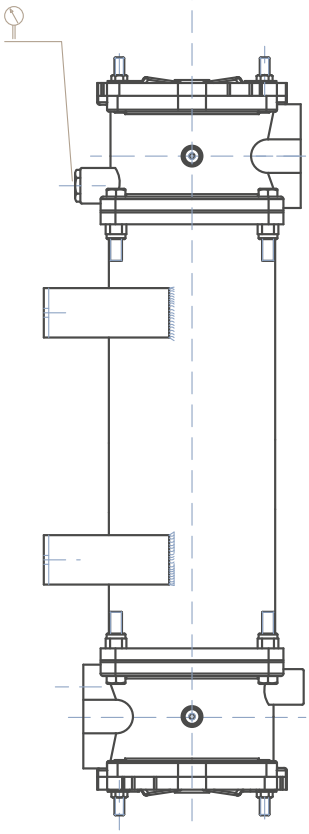
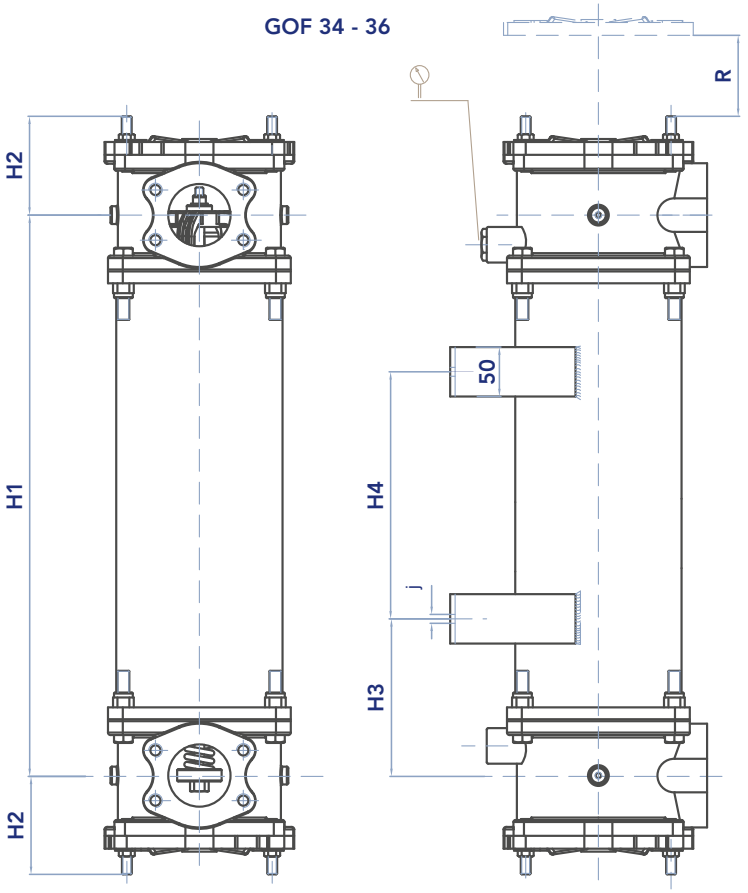
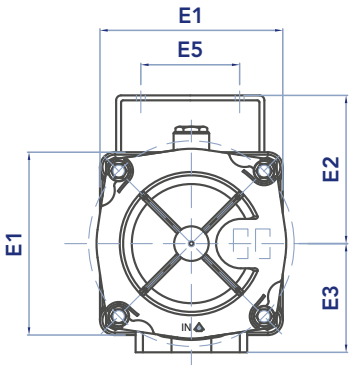
INSTALLATION DRAWING

PORT TYPE A



GOF 34 - 36





N.B.: Mounting brackets optional

FILTER HOUSING

	PORT SIZE	E1	E2	E3	E5	H1	H2	H3	H4	J	R	kg
GOF34	2" - 2" 1/2	185	150	110	100	568	100	160	250	9	620	22,0
GOF36	2" - 2" 1/2	185	150	110	100	770	100	260	250	9	820	27,9

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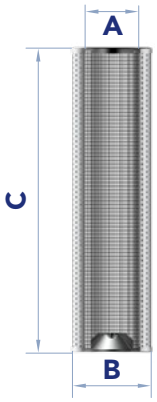
FILTER ELEMENT

	A	B	C	Kg	AREA (cm²) Media F+
IRF34	90	120,8	480	0,75	10.810
IRF36	90	120,8	680	1,10	15.410

The used filter elements cannot be cleaned and are classified as “Dangerous waste material”. They must be disposed according to local laws by authorized Companies.
Verify that the Company you choose has the expertise and authorization to dispose this type of waste material.



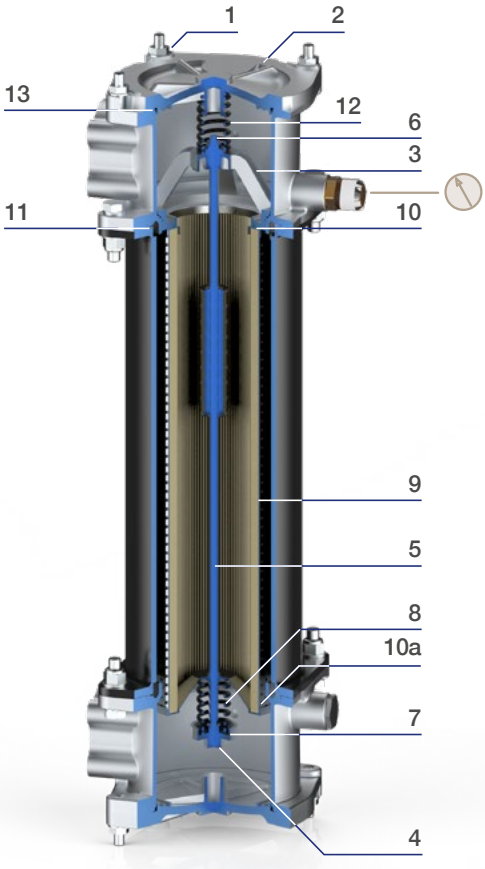
GENUINE UFI
ECOFRIENDLYVERSION
FILTER ELEMENTS

MAINTENANCE

1) Stop the system and verify there is no pressure in the filter.
2) Loosen the nuts (1) on the cover (2). N.B. it is not necessary to disassemble the nuts, use the slots on the cover.
3) Turn the cover (2) clockwise and remove it.
4) Extract the filter element using the handle (3).
5) At the bottom of the element, unscrew the nut (4) from the tie-rod (5) locking the nut (6) with a wrench to prevent rotation of the tie-rod. Remove the spring holder washer (7) and the spring (8).
6) Remove the dirty filter element (9).

N.B. The exhausted filter elements and the dirty filter components are classified “Dangerous waste material” and must be disposed of according to the local laws, by authorized Companies.

7) Check the filter element part number on the filter label or in the ordering and option chart. Use only original spare parts.
8) Insert the clean element (9) in the perforated pipe (10) until it stops on lower cap (10a).
9) Assembly the spring (8), the spring holder (7) and screw the nut (4) on the tie-rod (5) until it stops.
10) Check the correct position and the condition of handle O-ring gasket (11). Clean and lubricate with oil. If damaged, check the seal kit part number in the catalogue or contact the customer care service.
11) Replace the filter element assembly (with the handle) into the housing with the upper spring (12).
12) Check the correct positioning and the condition of the O-ring gasket (13) of the cover (2) and lubricate with oil. If damaged, check the seal kit part number in the catalogue or contact the customer care service.
13) Position the cover (2) and tighten the nuts (1) until it stops.



Accessories:
Clogging indicator.
If damaged, unscrew and replace it (check the part number in the ordering and option chart).
Indicators with thread M20x1,5: Lubricate the O-ring gaskets and tighten until it stops, with a tightening torque of 40 Nm +5/0. Indicators with conical thread 1/8”: Apply a thread-sealing and screw until tight.
N.B. An over-tightening can damage the thread

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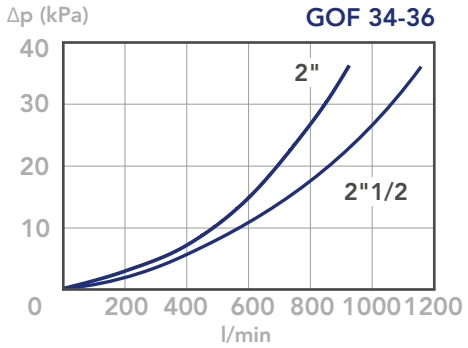
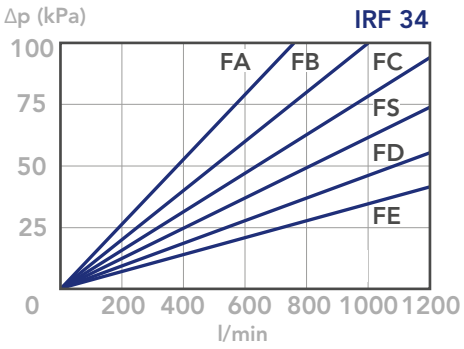
PRESSURE DROP CURVES (ΔP)

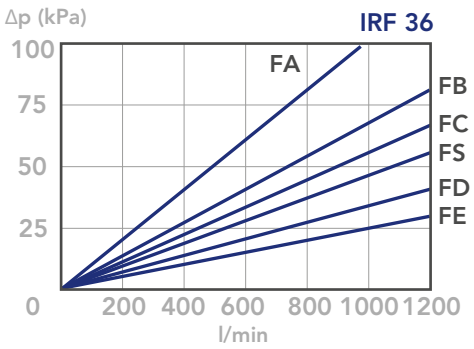
The “Assembly Pressure Drop (Δp)” is obtained by adding the pressure drop values of the Filter Housing and
of the Clean Filter Element corresponding to the considered Flow Rate and it must be lower than 50 kPa (0,5 bar) and should never exceed 1/3 of the bypass valve setting.

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



CLEAN FILTER ELEMENT PRESSURE DROP WITH F+ MEDIA
(depending both on the internal diameter of the element and on the filter media)





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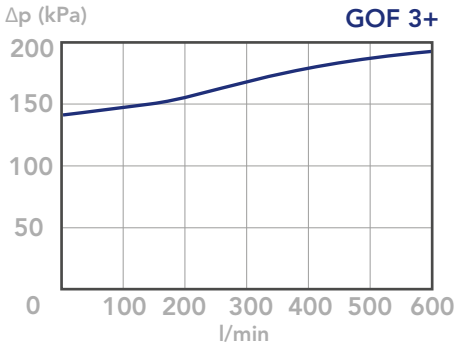
BYPASS VALVE PRESSURE DROP

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.



N.B.

All the curves have been obtained with mineral oil having a kinematic viscosity 30 cSt and specific gravity 0,86 kg/dm3; for fluids with different features, please consider the factors described in the first part of this catalogue. All the curves are obtained from test done at the UFI FILTERS HYDRAULICS Laboratory, according to the specification ISO 3968. In case of discrepancy, please check the contamination level, viscosity and features of the fluid in use.