

OFF-LINE-FILTERS OF





MATERIALS

Head and covers: Aluminium alloy

Bowl: Steel

Element Holder: Polyammide OF24 Alluminium Alloy OF3+ and OF4+

Seals: NBR Nitrile FKM Fluoroelastomer on request

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%

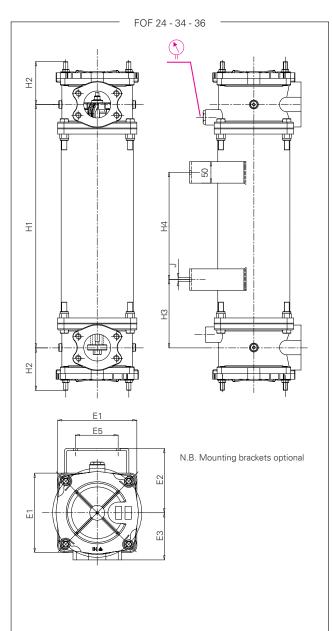
WORKING TEMPERATURE

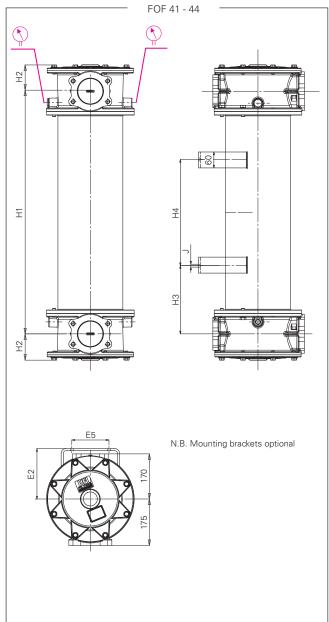
From -25° to +110° C

COMPATIBILITY (ISO 2943:1999)

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

OHF 510



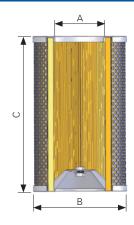


FILTER	FILTER HOUSING											
	PORT SIZE	E1	E2	E 3	E5	H1	H2	Н3	Н4	J	R	Kg
FOF24	1" 1/2	150	132	90	70	513	93	130	250	9	580	18,0
FOF34	2″ 1/2	185	150	110	100	568	82	135	250	9	620	19,6
FOF36	2" 1/2	185	150	110	100	770	82	165	250	9	820	
FOF41	3" - 4"	-	190	-	140	420	99	160	100	11	600	
FOF44	3" - 4"	-	190	-	140	1.180	99	340	500	11	1.360	



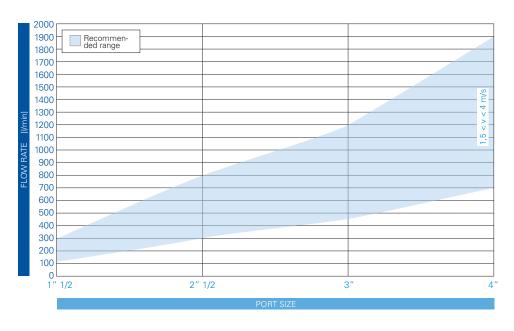
		TYPE						
1		F = FILTER COMPLETE	F	F	F	F	F	
		B = FILTER HOUSING	В	В	В	В	В	ELEMENT E
F		FAMILY						FAMILY R F
'		NOMINAL SIZE & LENGTH	24	34	36	41	44	SIZE & LENGTH
		PORT TYPE						
		B = BSP thread	В	-	-	-	-	
		N = NPT thread	N	-	-	-	-	
		S = SAE thread	S	-	-	-	-	
		F = SAE flange 3000 psi	F	F	F	F	F	
		PORT SIZE	•	<u> </u>		<u> </u>		
_		12 = 1"1/2	12		-		_	
		20 = 2"1/2		20	20	-	-	
		24 = 3"	_	-	-	24	24	
		32 = 4"	-	-	-	32	32	
	П	BYPASS VALVE		•				_
	_	W = without bypass	W	l w	l w	l w	W	
		F = 150 kPa (1,5 bar)	F	F	F	F	F	
		SEALS						SEALS
	_	N = NBR Nitrile	N	N	N	N	l n	N = NBR
		F = FKM Fluoroelastomer	F	F	F	F	F	F = FKM
		FILTER MEDIA						FILTER MEDIA
		FA = fiber $5 \mu m_{(c)} \beta > 1.000$	FA	FA	FA	FA	FA	$FA = fiber 5 \mu m_{(c)}$
		FB = fiber $7 \mu m_{(c)} \beta > 1.000$	FB	FB	FB	FB	FB	$FB = fiber 7 \mu m_{(c)}$
		FC = fiber $12 \mu m_{(c)} \beta > 1.000$	FC	FC	FC	FC	FC	FC = fiber $12 \mu m_{(c)}$
		FD = fiber 21 μ m _(c) β >1.000	FD	FD	FD	FD	FD	$FD = fiber 21 \mu m_{(c)}$
		CC = cellulose 10μm β>2	CC	CC	CC	CC	CC	$CC = cellulose 10 \mu m$
		ME = wire mesh 60μ m β>2	ME	ME	ME	ME	ME	ME = wire mesh $60 \mu m$
		WR = water removal (*)	WR	WR	WR	WR	WR	WR = water removal
		(*) Water removal media - see "hydro-dry" brochure						
		CLOGGING INDICATOR						When the filter is ordered
		03 = nr. 2 x 1/8"ports, plugged	03	03	03	03	03	with FKM seals, the first digit
		5B = visual differential 130 kPa (1,3 bar)	5B	5B	5B	5B	5B	of the indicator code is a letter
		6B = electrical differential 130 kPa (1,3 bar)	6B	6B	6B	6B	6B	(please see page 186).
		7B = indicator 6B with LED	7B	7B	7B	7B	7B	
		T0 = elect. diff. 130 kPa (1,3 bar) with thermostat 30°C	T0	T0	T0	T0	T0	
	г	ACCESCODIES						N.B.
	_	ACCESSORIES	147	,,,	111	,.,		Indicator series 70
		W = without accessory	W	W	W	W	W	only on request
		M= magnetic core	M	M	M	M	M	
		ACCESSORIES						
		IACCESSORIES						
		W = without accessory	W	W	W	w	W	

FILTER ELEMENT									
	АВ		С	kg	Area (cm²)				
				ĸg	Media F+	Media C+			
ERF24	72	106	465	1,50	9.700	11.800			
ERF34	92	126	480	2,20	12.800	15.400			
ERF36	92	126	680	3,00	18.200	19.500			
ERF41	157	203	330	3,90	17.900	22.100			
ERF44	157	203	1.090	13,00	60.000	74.000			



FLUID SPEED

when selecting the filter size, we suggest to consider also the max recommended fluid speed (in off-lines normally 1,5 < v < 4 m/s)

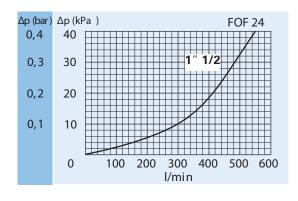


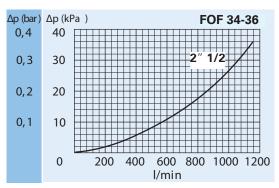
PRESSURE DROP CURVES (△p)

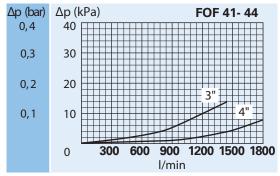
The "Assembly Pressure Drop (Δp) " is obtained by adding the pressure drop values of the Filter Housing and of the Clean Filter Element corresponding to the considered Flow Rate and it must be lower than 50 kPa (0,5 bar).

FILTER HOUSING PRESSURE DROP

(mainly depending on the port size)

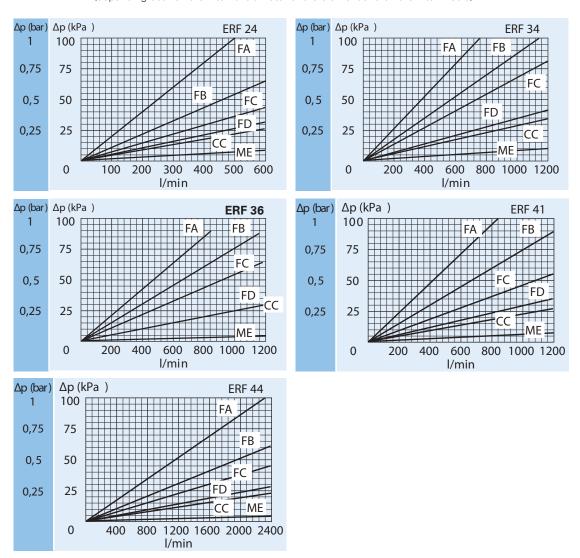






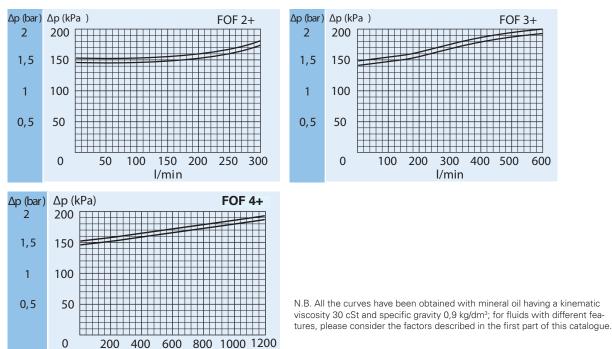
CLEAN FILTER ELEMENT PRESSURE DROP WITH F+, C+ AND ME MEDIA

(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.



I/min

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.







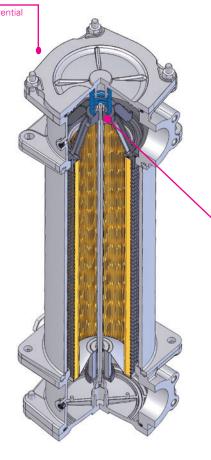
SERIES 5B



SERIES 6B / 7B



SERIES TO



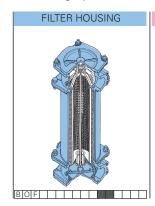
SPARE SEAL KIT

	NBR	FKM	
FOF24	521.0101.2	521.0102.2	
FOF34-36	521.0103.2	521.0104.2	
FOF41-44	521.0105.2	521.0106.2	

SPARE SPRING

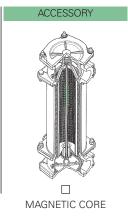
FOF24	008.0269.1
FOF34-36	008.0275.1
FOF41-44	008.0283.1

SPARE PARTS ELEMENTS (For filling up see table "Ordering and option chart")









MOUNTING BRA-**CKETS**

Technical data subject to variations without prior notice. OF - EN - 06/2011