

PL



TECHNICAL DATA

ORDERING AND OPTIONS CHART

CLOGGING INDICATORS

PRESSURE DROP (Δp) CURVES

PRESSURE DROP (Δp) CURVES - MEDIA H+

CROSS FUNCTIONAL VIEW

SPARE PARTS ORDERING INFORMATION

DIMENSIONS OF THE FILTER ELEMENT

"COMPO CARE" PRESSURE FILTERS

MATERIALS

Head	Cast iron
Bowl	Steel
Bypass valve	Steel
Seals	NBR Nitrile (FKM - on request fluoroelastomer)

Indicator housing	Brass
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COMPATIBILITY

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 Dept.

PRESSURE

Max working	31,5 MPa (315 bar)
Test	47 MPa (470 bar)
Bursting	95 MPa (950 bar)
Collapse, differential for the filter element :	
series standard	2 MPa (20 bar)
series H+	21 Mpa (210 bar)

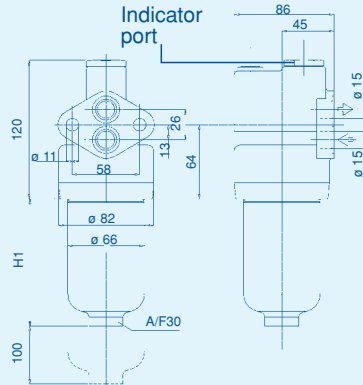
BYPASS VALVE

Setting	600 kPa (6 bar) +/-10%
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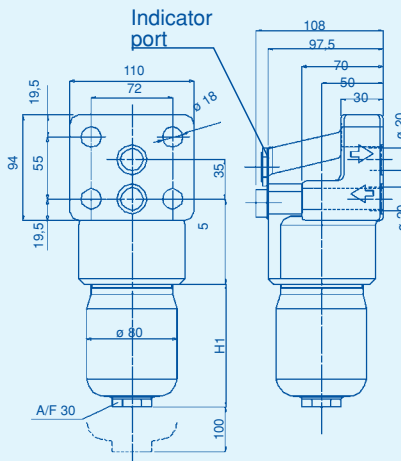
WORKING TEMPERATURE

From -25° to +110°C

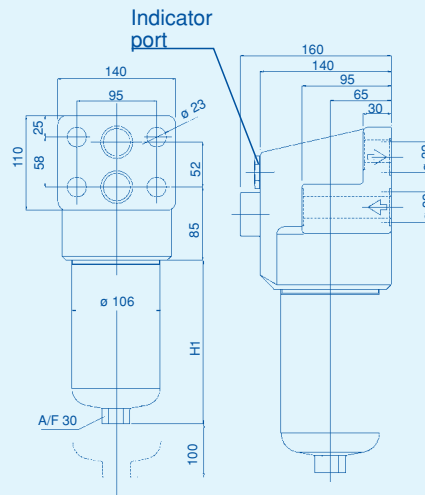
	H1	Weight Kg.
FPL11	79	4,4
FPL12	109	4,6
FPL13	209	5,2
FPL21	116	6,6
FPL22	207	8,2
FPL31	107	11,0
FPL32	199	13,9
FPL33	319	17,2
FPL34	420	22,0



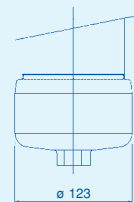
FPL 1



FPL 2



FPL 3



FPL 34

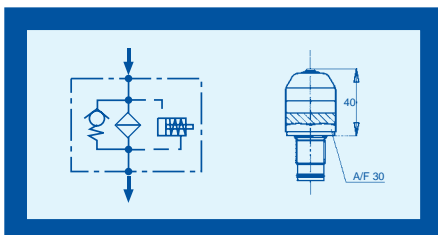
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"COMPO CARE" PRESSURE FILTERS

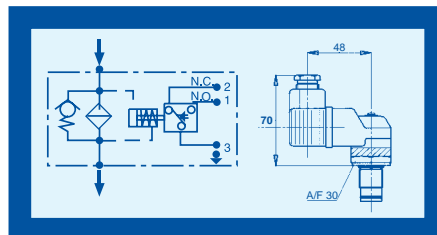
ORDERING AND OPTIONS CHART

F FILTER COMPLETE												ELEMENT		E	
P	L	FAMILY SIZE & LENGTH										FAMILY SIZE & LENGTH		P	B
		11	12	13	21	22	31	32	33	34					
PORT TYPE												SEALS			
C = flanged 90° (manifold)		C	C	C	C	C	C	C	C	C	N = NBR				
PORT SIZE												SEALS			
15 = size 15		15	15	15	=	=	=	=	=	=	N = NBR				
20 = size 20		=	=	=	20	20	=	=	=	=	F = FKM				
30 = size 32		=	=	=	=	=	32	32	32	32					
BYPASS VALVE												SEALS			
W = without		W	W	W	W	W	W	W	W	W	N = NBR				
C = 600 kPa (6 bar)		C	C	C	C	C	C	C	C	C	F = FKM				
SEALS												SEALS			
N = NBR Nitrile		N	N	N	N	N	N	N	N	N	N = NBR				
F = FKM Fluoroelastomer		F	F	F	F	F	F	F	F	F	F = FKM				
FILTER MEDIA												FILTER MEDIA			
FA = fiber 3μ, β>200, Δp 20 bar		FA	FA	FA	FA	FA	FA	FA	FA	FA	FA=fib. 3μ 20 bar				
FB = fiber 6μ, β>200, Δp 20 bar		FB	FB	FB	FB	FB	FB	FB	FB	FB	FB=fib. 6μ 20 bar				
FC = fiber 12μ, β>200, Δp 20 bar		FC	FC	FC	FC	FC	FC	FC	FC	FC	FC=fib. 12μ 20 bar				
FD = fiber 25μ, β>200, Δp 20 bar		FD	FD	FD	FD	FD	FD	FD	FD	FD	FD=fib. 25μ 20 bar				
HA = fiber 3μ, β>200, Δp 210 bar		HA	HA	HA	HA	HA	HA	HA	HA	HA	HA=fib. 3μ 210 bar				
HB = fiber 6μ, β>200, Δp 210 bar		HB	HB	HB	HB	HB	HB	HB	HB	HB	HB=fib. 6μ 210 bar				
HC = fiber 12μ, β>200, Δp 210 bar		HC	HC	HC	HC	HC	HC	HC	HC	HC	HC=fib. 12μ 210 bar				
HD = fiber 25μ, β>200, Δp 210 bar		HD	HD	HD	HD	HD	HD	HD	HD	HD	HD=fib. 25μ 210 bar				
CC = cellulose 10μ, β>2, Δp 20 bar		CC	CC	CC	CC	CC	CC	CC	CC	CC	CC=cel.10μ 20 bar				
CLOGGING INDICATOR												CLOGGING INDICATOR			
03 = port, plugged		03	03	03	03	03	03	03	03	03	03				
52 = diff. visual, 500 kPa (5 bar)		52	52	52	52	52	52	52	52	52	52				
53 = diff. visual, 800 kPa (8 bar)		53	53	53	53	53	53	53	53	53	53				
62 = diff., electrical, 500 kPa (5 bar)		62	62	62	62	62	62	62	62	62	62				
63 = diff., electrical, 800 kPa (8 bar)		63	63	63	63	63	63	63	63	63	63				
72 = diff.vis.electrical, 500 kPa (5 bar)		72	72	72	72	72	72	72	72	72	72				
73 = diff.vis.electrical, 800 kPa (8 bar)		73	73	73	73	73	73	73	73	73	73				
T2 = ind. 62 + thermostat 30°C		T2	T2	T2	T2	T2	T2	T2	T2	T2	T2				
T3 = ind. 63 + thermostat 30°C		T3	T3	T3	T3	T3	T3	T3	T3	T3	T3				
X ACCESSORIES												X ACCESSORIES			
X = no accessory available		X	X	X	X	X	X	X	X	X	X				

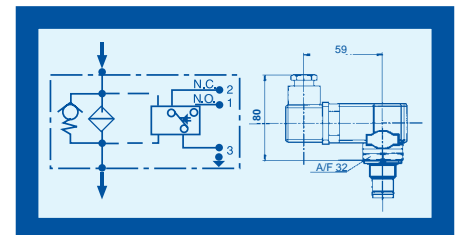
CLOGGING INDICATORS



Series 52 & series 53:
differential visual indicator,
set 500 kPa (5 bar) & 800 kPa (8 bar) +/-10%



Series 72 & series 73:
differential visual-electrical indicator,
set 500 kPa (5 bar) & 800 kPa (8 bar) +/-10%. -
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. 30-50-75-125V
> max resistive load 2-0,5-0,25-0,2A resp.
> max inductive load 2-0,5-0,25-0,03A resp.



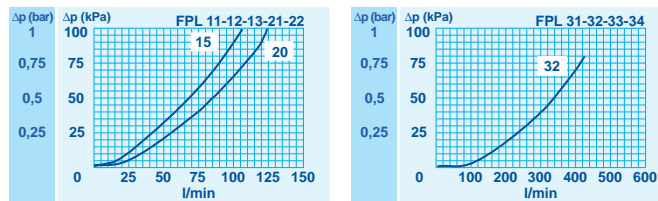
Series 62-63 & series T2-T3:
differential electrical indicator,
set 500 kPa (5 bar) & 800 kPa (8 bar) +/-10%.
Connector according to DIN 43650.
Protection IP65 according to DIN 40050
(thermostat 30°C for T2-T3).
SPDT: C.A. 125-250 V
>max resistive or inductive load 1A;
C.C. 30-50-75-125V
> max resistive load 2-0,5-0,25-0,2A resp.
> max inductive load 2-0,5-0,25-0,03A resp.

PRESSURE DROPS (Δp) CURVES

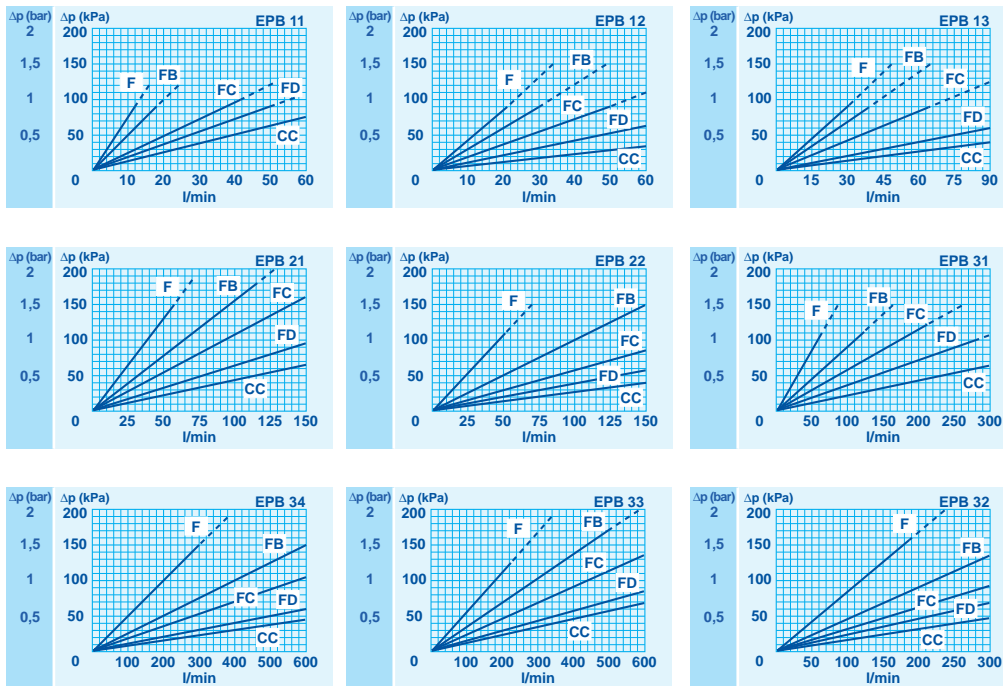
The "Assembly Pressure Drop (Δp)" is obtained by adding the pressure drop values of the filter Housing and of the Clean Filter Element corresponding to the

considered Flow Rate and it must be lower than 80 kPa (0,8 bar).

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



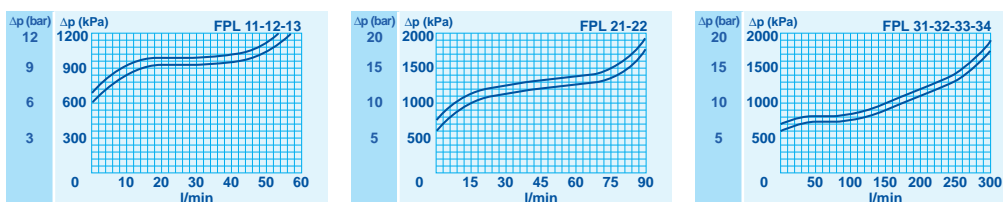
CLEAN FILTER ELEMENT PRESSURE DROP (depending both on the internal diameter of the element and on the filter media)



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.



N.B. All the curves are obtained from test done at the UFI HYDRAULIC DIVISION Laboratory, according to the specification ISO 3968. In case of discrepancy, please check the contamination level, viscosity and features of the fluid in use.

N.B. All the curves have been obtained with mineral oil having a kinematic viscosity 30 cSt and specific gravity 0,9; for fluids with different features, please consider the factors described in the first part of this catalogue.

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“COMPO CARE” PRESSURE FILTERS

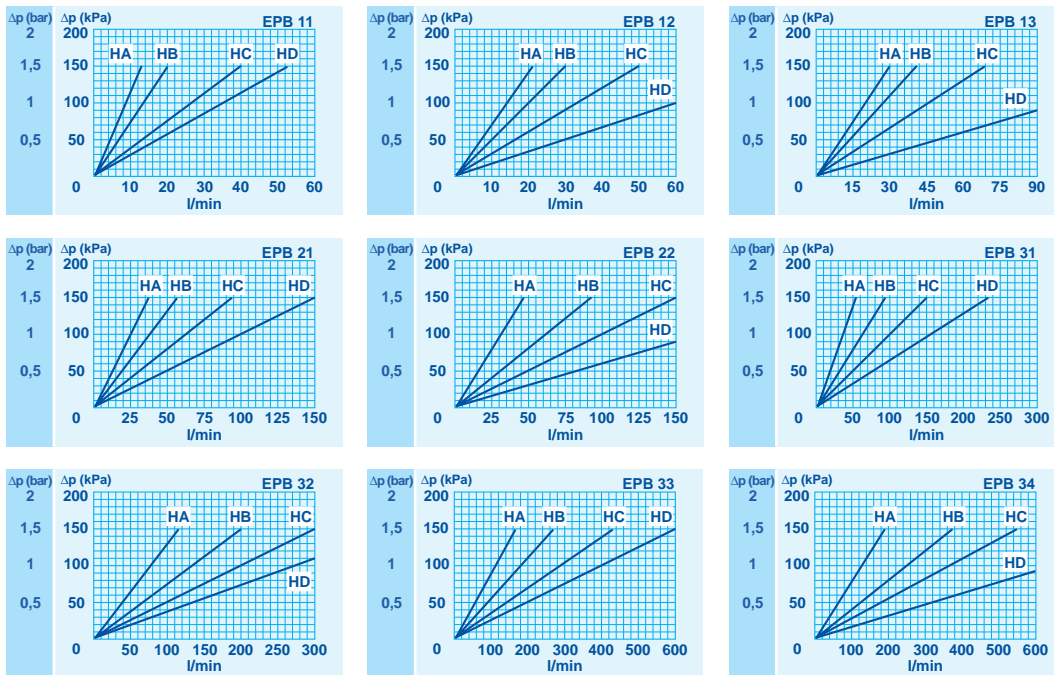
PRESSURE DROPS (Δp) CURVES

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 80 kPa (0,8 bar).

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

MEDIA H+ (recommended with no Bypass option)



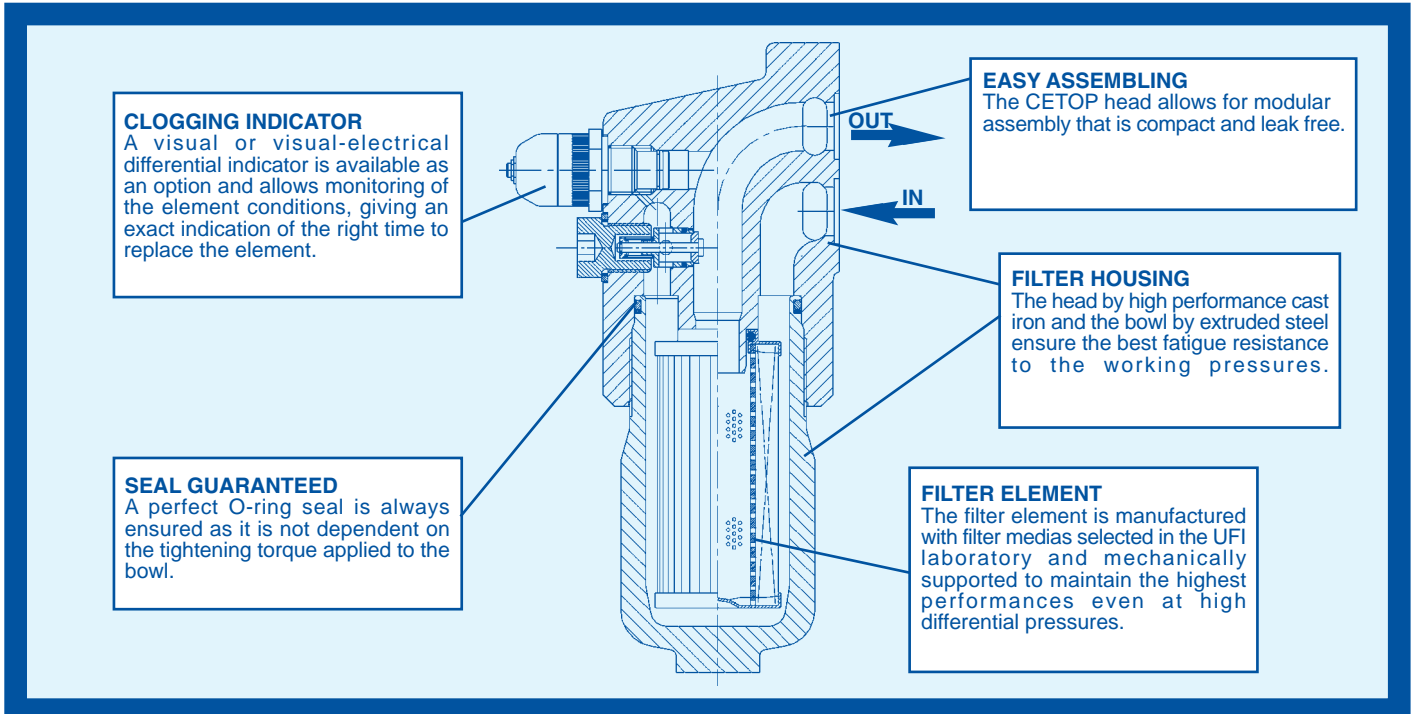
N.B. Poiché i diagrammi sono stati ottenuti sperimentalmente usando olio minerale con viscosità cinematica di 30 cSt e peso specifico 0,9, se si utilizza un fluido con caratteristiche differenti vanno considerati i fattori di correzione indicati nella parte introduttiva del catalogo.

N.B. Tutti i diagrammi sopraportati sono ricavati da prove effettuate presso il laboratorio della UFI secondo la normativa ISO 3968. Nel caso si riscontrassero valori non conformi verificare il livello di contaminazione, viscosità e caratteristiche del fluido utilizzato.

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"COMPO CARE" PRESSURE FILTERS

CROSS FUNCTIONAL VIEW

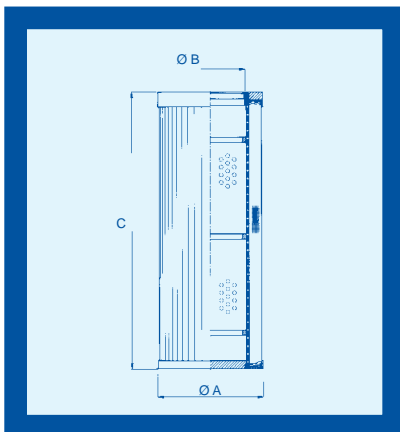


SPARE PARTS ORDERING INFORMATION

(from the code of the complete filter, fill the digits corresponding to the boxes)

Filter housing	B	P	L	□	□	□	□	□	□	□	X	X	□	□	□
Head	S	P	L	□	X	□	□	□	X	□	X	X	X	X	X
Bowl	S	P	L	□	□	X	X	X	X	□	X	X	X	X	X
Seal kit	S	P	L	□	X	X	X	X	X	□	X	X	X	X	X

DIMENSIONS OF THE FILTER ELEMENT



Type	A	B	C	Area (cm ²)		
				Media F+	Media H+	Media C+
EPB11	45	25	85	355	340	310
EPB12	45	25	116	500	475	435
EPB13	45	25	211	935	915	815
EPB21	52	23,5	115	975	975	780
EPB22	52	23,5	210	1.830	1.785	1.465
EPB31	78	42,5	118	2.000	1.470	1.720
EPB32	78	42,5	210	3.695	2.695	3.170
EPB33	78	42,5	210	5.025	4.325	4.025
EPB34	78	42,5	430	6.585	5.685	6.585