

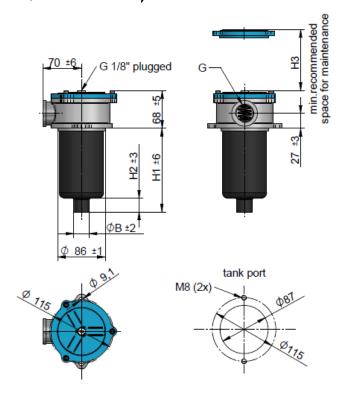
General

Our return filter ranges offer the usual 2-bolt, 3-bolt and 4-bolt tank flange types as well as a wide range of connection sizes, port standards and other options. This system can be used for any tank top return filter installation in accordance with our given configurations and options.

Design

Complementary we offer all our possible high performance filter technologies from 5 microns to 60 microns filter rating. A filling plug option gives the possibility of easy and efficient filter operation. The top end cap includes a handle allowing easy removal of the element and a complete cleaning of the filter bowl. The end cap with captive o-ring ensures a perfect seal between filter element and bowl.

Please contact us for further information on the product or complementairy filter and tank accessory product from our fluid controls range (support@asa-innovation.com or www.asa-innovation.com).



		Filter Quick Guid	е	
type	filter element size Ø diameter, L=length			page
	31	Ø 70mm, L=85mm		1+2
	32	Ø 70mm, L=130mm	2-hole	1+2
	33	Ø 70mm, L=210mm		1+2
HFTF	41	Ø 99mm, L=211mm	3-hole 4-hole	5
	51	Ø 130mm, L=140mm		6
	52	Ø 130mm, L=200mm	4-hole	6
	53	Ø 130mm, L=251mm		6
	31	Ø 70mm, L=85mm	0.1.1	3+4
HFTU	32	Ø 70mm, L=130mm	2-hole 4-hole	3+4
	33	Ø 70mm, L=210mm	7 11016	3+4
order codes @ page 7				



Technical Data

order number (sample configuration)	description	G	H1	В	H2	Н3	weight
		BSP	[mm]	[mm]	[mm]	[mm]	[kg]
HFTF31B04BNCC01WKI	return filter TF31 BSP ½", 10µm , 1/8"plug.	1/2"	106	28	25	130	0,45
HFTF31B06BNCC01WKI	return filter TF31 BSP ¾", 10µm , 1/8"plug.	3/4"	106	28	25	130	0,80
HFTF32B06BNCC01WKI	return filter TF32 BSP ¾", 10µm , 1/8"plug.	3/4"	152	28	25	180	0,95
HFTF32B08BNCC01WKI	return filter TF32 BSP 1", 10µm , 1/8"plug.	1"	152	28	25	180	0,95
HFTF33B08BNCC01WKI	return filter TF33 BSP 1", 10µm , 1/8"plug.	1"	235	40	30	260	1,10

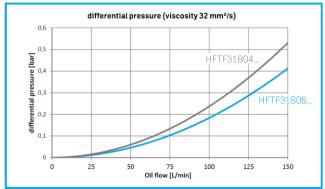
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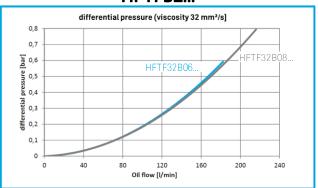


Pressure drop of filter housing

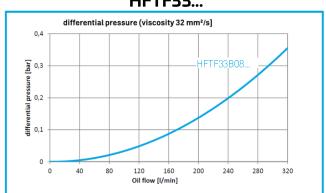
HFTF31...



HFTF32...

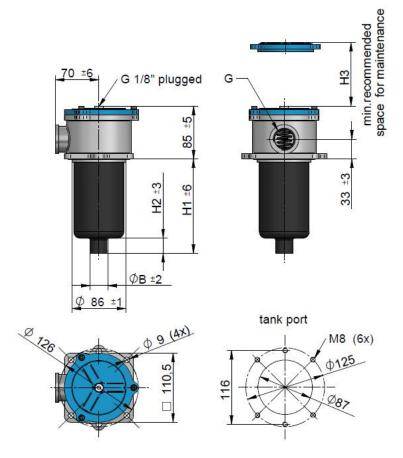


HFTF33...





HFTU / filter sizes 31, 32 & 33





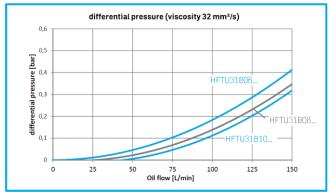
Technical Data

order number (sample configuration)	description	G	H1	В	H2	Н3	weight
		SAE	[mm]	[mm]	[mm]	[mm]	[lbs]
HFTU31S06BNCC05WKI	return filter TU31, SAE#12, 10µm , 1/8"plug.	1 ¹ / ₁₆ -12 UN	106	27	25	130	2.1
HFTU31S08BNCC05WKI	return filter TU31, SAE#16, 10µm , 1/8"plug.	1 ⁵ / ₁₆ -12 UN	106	27	25	130	2.1
HFTU31S10BNCC05WKI	return filter TU31, SAE#20, 10µm , 1/8"plug.	1 ⁵ / ₈ -12 UN	106	27	25	130	2.1
HFTU32S06BNCC05WKI	return filter TU32, SAE#12, 10µm , 1/8"plug.	1 ¹ / ₁₆ -12 UN	152	27	25	180	2.4
HFTU32S08BNCC05WKI	return filter TU32, SAE#16, 10µm , 1/8"plug.	1 ⁵ / ₁₆ -12 UN	152	27	25	180	2.4
HFTU32S10BNCC05WKI	return filter TU32, SAE#20, 10µm , 1/8"plug.	1 ⁵ / ₈ -12 UN	152	27	25	180	2.4
HFTU33S06BNCC05WKI	return filter TU33, SAE#12, 10µm , 1/8"plug.	1 ¹ / ₁₆ -12 UN	235	40	30	260	2.8
HFTU33S08BNCC05WKI	return filter TU33, SAE#16, 10µm , 1/8"plug.	1 ⁵ / ₁₆ -12 UN	235	40	30	260	2.8
HFTU33S10BNCC05WKI	return filter TU33, SAE#20, 10µm, 1/8"plug.	1 ⁵ / ₈ -12 UN	235	40	30	260	2.8

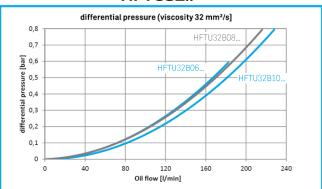


Pressure drop of housing

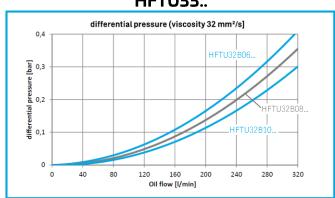
HFTU31..



HFTU32..

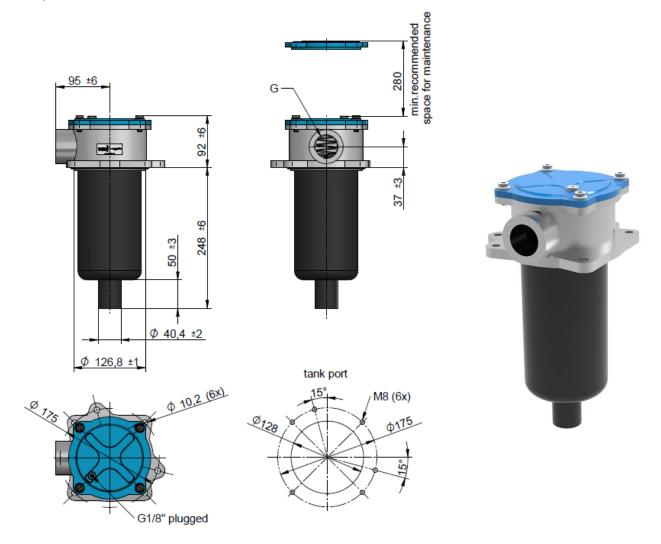


HFTU33..





HFTF / filter sizes 41

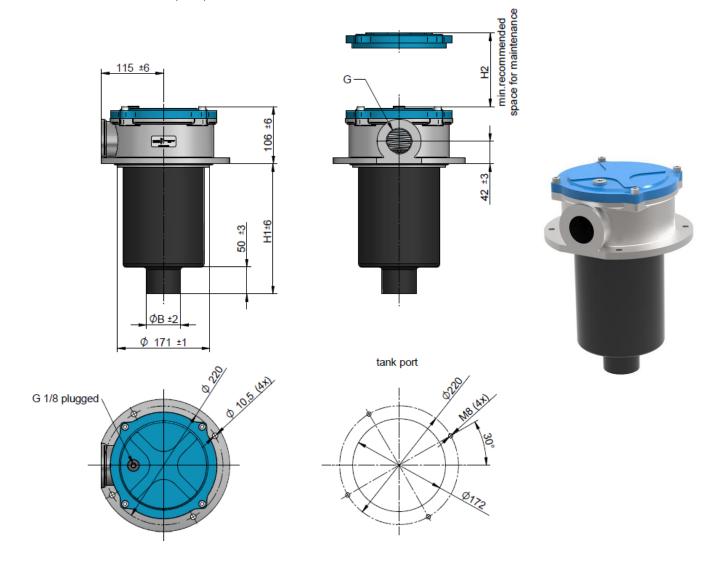


Technical Data

order number (sample configuration)	description	G	weight
		BSP	[kg]
HFTF41B04BNCC01WKI	return filter TF41 BSP 1", 10µm , 1/8" plug.	1"	2,1
HFTF41B10BNCC01WKI	return filter TF41 BSP 1 ¼", 10µm , 1/8" plug.	1 1/4"	2,1



HFTF / filter sizes 51, 52, 53



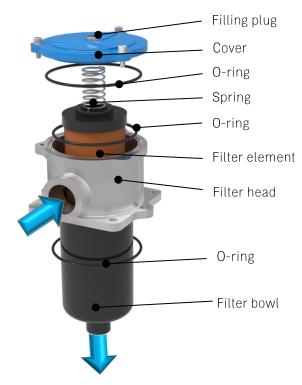
Technical Data

order number (sample configuration)	description	G	H1	В	H2	weight
		BSP	[mm]	[mm]	[mm]	[kg]
HFTF51B10BNCC01WKI	return filter TF51 BSP 1 ¼", 10µm , 1/8"plug.	1 1/4"	178	40	210	3,1
HFTF51B12BNCC01WKI	return filter TF51 BSP 1 ½", 10µm , 1/8"plug.	1 ½"	178	40	210	3,1
HFTF51B16BNCC01WKI	return filter TF51 BSP 2", 10µm , 1/8"plug.	2"	178	40	210	3,1
HFTF51B20BNCC01WKI	return filter TF51 BSP 2 ½", 10µm , 1/8"plug.	2 1/2"	178	40	210	3,1
HFTF52B10BNCC01WKI	return filter TF52 BSP 1 ¼", 10µm , 1/8" plug.	1 1/4 "	240	63,5	270	3,6
HFTF52B12BNCC01WKI	return filter TF52 BSP 1 ½", 10µm , 1/8"plug.	1 1/2"	240	63,5	270	3,6
HFTF52B16BNCC01WKI	return filter TF52 BSP 2", 10µm , 1/8"plug.	2"	240	63,5	270	3,6
HFTF52B20BNCC01WKI	return filter TF52 BSP 2 ½", 10µm , 1/8"plug.	2 1/2"	240	63,5	270	3,6
HFTF53B16BNCC01WKI	return filter TF53 BSP 2", 10µm , 1/8"plug.	2"	258	63,5	310	4,1
HFTF53B20BNCC01WKI	return filter TF53 BSP 2 ½", 10µm , 1/8"plug.	2 1/2"	258	63,5	310	4,1



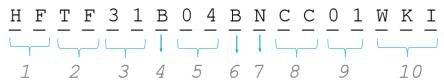
Materials

aluminium				
aluminium				
polyamide				
NBR				
see table				
-25°C to +100°C				
3 bar				
1,7 bar				
Compatibility				



Order Number Code/Options

mineral oils



1 Product Series

HF	hydraulic filters
2 Design	Туре
TF	return filter tank flange TF
TU	return filter tank flange TU
3 Filter S	ize
21	Ø 52mm, L=70mm
31	Ø 70mm, L=85mm
32	Ø 70mm, L=130mm
33	Ø 70mm, L=210mm
41	Ø 99mm, L=211mm
51	Ø 130mm, L=140mm
52	Ø 130mm, L=200mm
53	Ø 130mm, L=251mm

4 Port Standard

В	BSP
S	SAE (O-Ring)
Ν	NPT

5 Port Size

	BSP/NPT	SAE	
04	1/2"	³⁄4 - 16	for filter sizes: TF 21 & 31
06	3/4"	1 1/16 -12	for filter sizes: TF 31 & 32
00	74	1 716 -12	for filter sizes: TU 31 to 33
08	1"	1 5/16-12	for filter sizes: TF 32 to 41
00	1	1 716-12	for filter sizes: TU 31 to 33
10	1 1/4"	1 1/4" 1 5/8-12	for filter sizes: TF 41 to 52
10	1 74	T -/8-TZ	for filter sizes: TU 31 to 33
12	1 ½"	$1^{7}/_{8}-12$	for filter sizes: TF 51 & 52
16	2"	2 ½ -12	for filter sizes: TF 52 & 53
20	2 ½"	on request	for filter sizes: TF 52 & 53

6 Bypas	ss valve
В	Bypass 1,7 bar
7 Seals	
Ν	NBR
F	FKM on request
8 Filter	media
FA	micro fiber 5 µm
FB	micro fiber 7 µm
FC	micro fiber 12 µm
FD	micro fiber 21 µm
CC	cellulose 10 µm
CD	cellulose 25 µm
ME	wire mesh 60 µm
9 Clogg	ing indicator
01	G1/8" port, plugged
05	2xG1/8" port, plugged
30	pressure gauge, rear connection
32	pressure gauge, bottom
80	Press. Switch, N.O. contacts
81	Press. Switch, N.C. contacts
P1	SPDT, press switch
10 Opti	ons
WKI	without filling plug / standard India kit
PKI	with filling plug / standard India kit
Ixx	Special / customized specifications, to be advised

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DO-HFTF-in-revO*

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Fluid Controls/Filter

Return Line Filters



Spare parts filter / Order Number Code



1 Product Series HF hydraulic filters 2 Design Type ETF return filter element 3 Filter Size 21 Ø 52mm, L=70mm 31 Ø 70mm, L=85mm 32 Ø 70mm, L=130mm Ø 70mm, L=210mm 33 41 Ø 99mm, L=211mm Ø 130mm, L=140mm 52 Ø 130mm, L=200mm Ø 130mm, L=251mm

4 Filter media

FA	micro fiber 5 µm
FB	micro fiber 7 µm
FC	micro fiber 12 μm
FD	micro fiber 21 µm
CC	cellulose 10 µm
CD	cellulose 25 µm
ME	wire mesh 60 µm

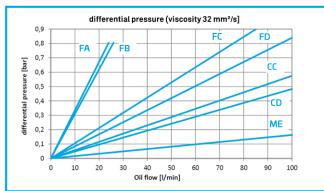
5 Options

I00	standard India delivery kit
Ixx	Special / customized specifications, to be advised

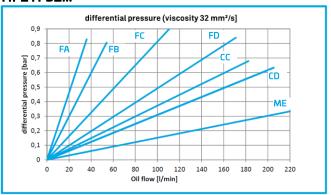


Pressure drop of filter element

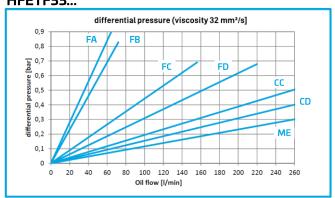
HFETF31...



HFETF32...



HFETF33...



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