

Hydraulics Network



FILTRATION

2023



OIL SOLUTIONS

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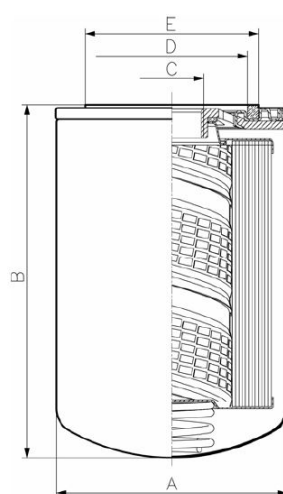
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"For All Your Hydraulic Needs"

Spin On Filters 4"

Part #	List Price \$	Micron	Can Thread C	Dimensions mm			
				A	B	D	E
CS05000P10A		10µm	3/4" BSPP	96	148	62.5	71.5
CS05000P25A		25µm	3/4" BSPP	96	148	62.5	71.5
CS05000M90A		90µm mesh	3/4" BSPP	96	148	62.5	71.5
CS05000A03A		3µm	3/4" BSPP	96	148	62.5	71.5
CS05000A06A		6µm	3/4" BSPP	96	148	62.5	71.5
CS07000P10A		10µm	3/4" BSPP	96	210	62.5	71.5
CS07000P25A		25µm	3/4" BSPP	96	210	62.5	71.5
CS07000M90A		90µm mesh	3/4" BSPP	96	210	62.5	71.5
CS07000A03A		3µm	3/4" BSPP	96	210	62.5	71.5
CS07000A06A		6µm	3/4" BSPP	96	210	62.5	71.5

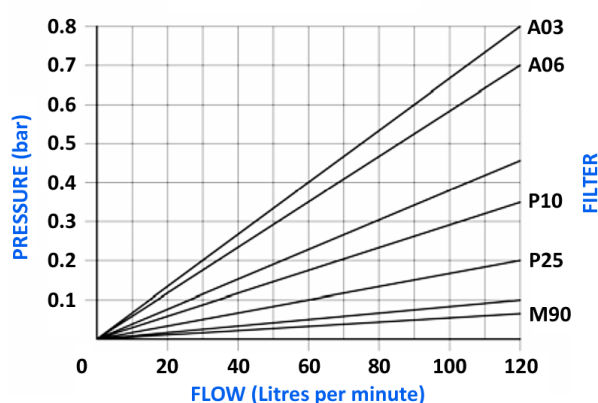
CS050



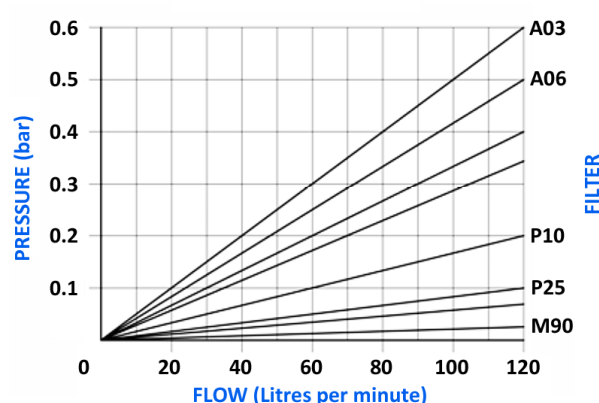
CS070



CS050 Recommended Maximum Flow



CS070 Recommended Maximum Flow



PRESSURE DROP

Curves are calculated in accordance with ISO 3968 and are valid for clean filtering elements.

ΔP changes along with the density in presence of an eddy flow, and along with the dynamic viscosity in presence of a laminar flux. Curves are valid for mineral oils with a density of 0.86 kg/dm³ and a dynamic viscosity of 30mm²/sec (cSt).

When choosing the filtering medium, consider the pressure losses deriving from the flow rate:

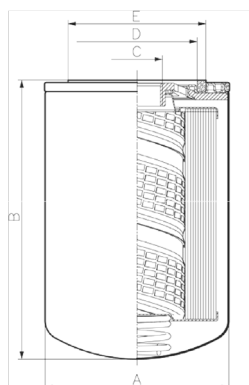
- Between **0.05 & 0.1 bar** for suction line
- Up to **0.3 - 0.5 bar** for filters fitted on return line

(The total pressure drop is to be calculated by adding up the spin-on filter pressure drop).

Spin On Filters 5"

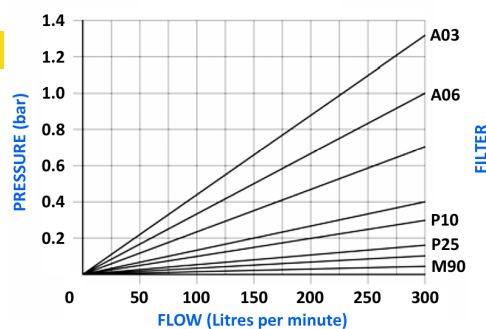
Part #	List Price \$	Micron	Can Thread C	Dimensions mm			
				A	B	D	E
CS10000P10A		10µm	1.1/4" BSPP	126	180	96.5	107
CSG10060P10A		10µm	1.1/2" UNF	126	180	120	130
CS10000P25A		25µm	1.1/4" BSPP	126	180	96.5	107
CSG10060P25A		25µm	1.1/2" UNF	126	180	120	130
CS10000M90A		90µm mesh	1.1/4" BSPP	126	180	96.5	107
CS10000A03A		3µm	1.1/4" BSPP	126	180	96.5	107
CS10000A06A		6µm	1.1/4" BSPP	126	180	96.5	107
CS15000P10A		10µm	1.1/4" BSPP	126	226	96.5	107
CS15000P25A		25µm	1.1/4" BSPP	126	226	96.5	107
CS15000M90A		90µm mesh	1.1/4" BSPP	126	226	96.5	107
CS15000A03A		3µm	1.1/4" BSPP	126	226	96.5	107
CS15000A06A		6µm	1.1/4" BSPP	126	226	96.5	107

CS

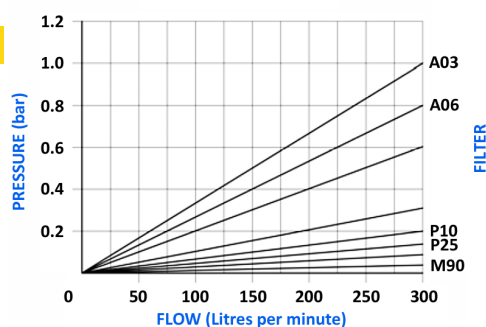


Recommended Maximum Flow

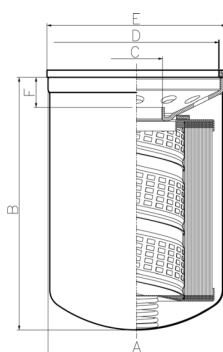
CS100



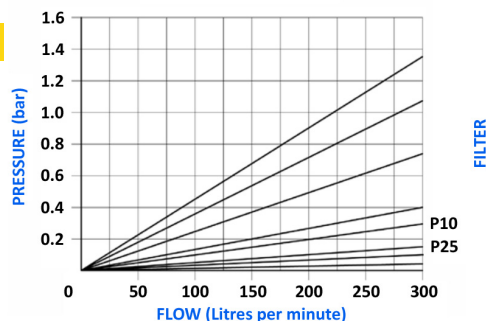
CS150



CSG



CSG100



PRESSURE DROP

Curves are calculated in accordance with ISO 3968 and are valid for clean filtering elements.

ΔP changes along with the density in presence of an eddy flow, and along with the dynamic viscosity in presence of a laminar flux. Curves are valid for mineral oils with a density of 0.86 kg/dm³ and a dynamic viscosity of 30mm²/sec (cSt).

When choosing the filtering medium, consider the pressure losses deriving from the flow rate:

- Between **0.05 & 0.1 bar** for suction line
- Up to **0.3 - 0.5 bar** for filters fitted on return line

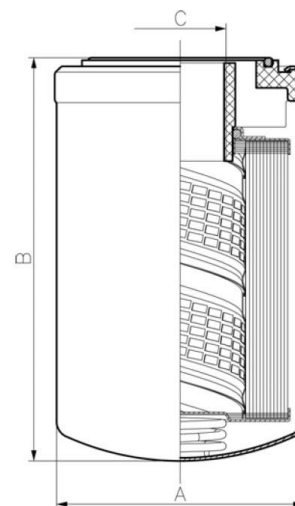
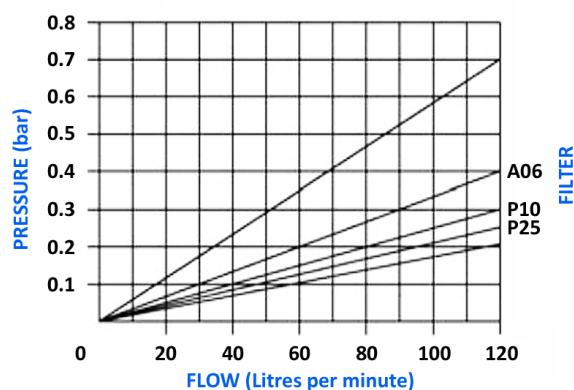
(The total pressure drop is to be calculated by adding up the spin-on filter pressure drop).

Spin On Filters Medium Pressure

Part #	List Price \$	Micron	Pressure Rating	Can Thread C	Dimensions mm	
					A	B
CSD06000A06A		6µm	35 bar	1.3/8"-12 UNO	95.6	180
CSD06000P10A		10µm	35 bar	1.3/8"-12 UNO	95.6	180
CSD06000P25A		25µm	35 bar	1.3/8"-12 UNO	95.6	180



Recommended Maximum Flow



PRESSURE DROP

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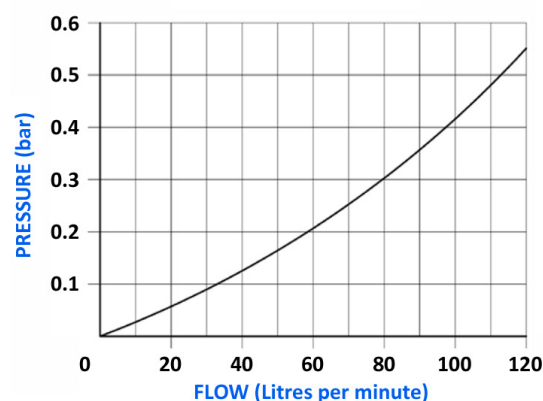
When choosing the filtering medium, consider the pressure losses deriving from the flow rate:

- Up to **0.3 - 0.5 bar** for filters fitted on the return line
- Up to **1 - 1.5 bar** for filters fitted on the pressure line

(The total pressure drop is to be calculated by adding up the spin-on filter pressure drop).

Filter Heads

Part #	List Price \$	Filter Series	Port Size	Bypass	Differential Indicator
FSD0602AGV2D		CSD	1" BSPP	50 psi	43 psi



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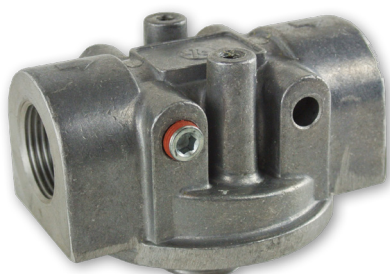
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Filter Heads

Part #	List Price \$	Filter Series	Ports	Bypass	Gauge Port
FCS050RAG1TR		CS050/070	3/4" BSPP	25 psi	1/8" BSPT
FCS050SAG1TS		CS050/070	3/4" BSPP	5 psi	1/8" BSPT
FCS100RAG1TR		CS100/150	1.1/4" BSPP	25 psi	1/8" BSPT
FCS100SAG1TS		CS100/150	1.1/4" BSPP	5 psi	1/8" BSPT

FCS050



FCS100



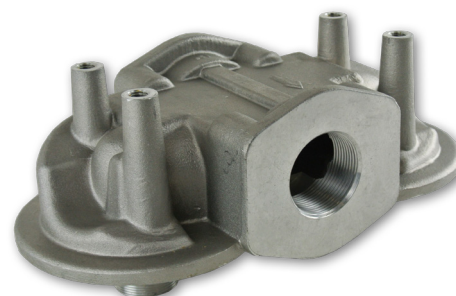
Filter Heads - Dual

Part #	List Price \$	Filter Series	Ports	Bypass	Gauge Port
FCS200RAG1TR		CS100/150	1.1/2" BSPP	25 psi	1/8" BSPT
FCS200SAG1TS		CS100/150	1.1/2" BSPP	5 psi	1/8" BSPT
FCS300RAG1TR		CS100/150	1.1/2" BSPP	25 psi	1/8" BSPT
FCS300SAG1TS		CS100/150	1.1/2" BSPP	5 psi	1/8" BSPT

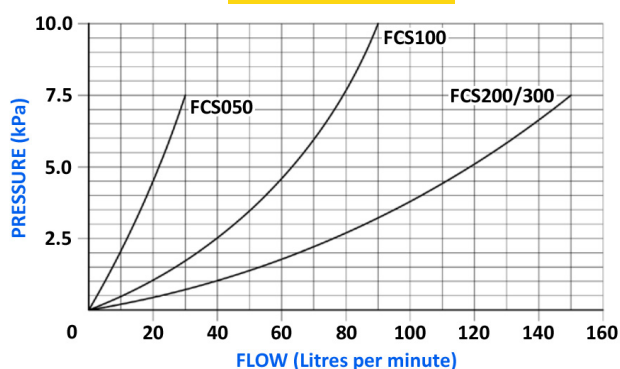
FCS200



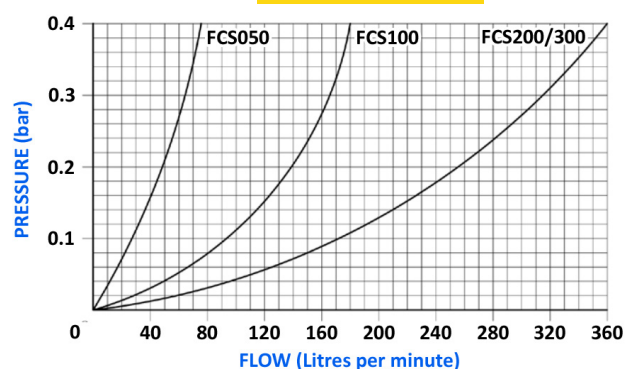
FCS300



SUCTION LINES



RETURN LINES



PRESSURE DROP

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- Between **0.05 & 0.1 bar** for suction line
- Up to **0.3 - 0.5 bar** for filters fitted on return line

(The total pressure drop is to be calculated by adding up the spin-on filter pressure drop).

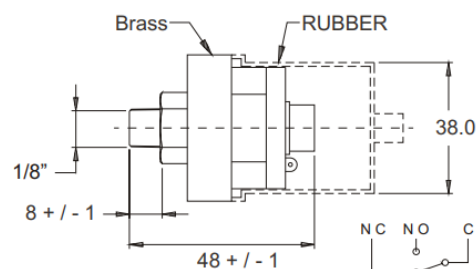
Gauges

Part #	List Price \$	Type		Range	Thread
114-01-211-V-000Z-SK		Visual	Suction	0-30 Hg	1/8" BSPT
114-01-211-002.8J-SK		Visual	Return	0-2.8 bar	1/8" BSPT
ES		Electrical	Suction	0.15-8 bar	1/8" BSPT
ER		Electrical	Return	0.5-8 bar	1/8" BSPT

114-01



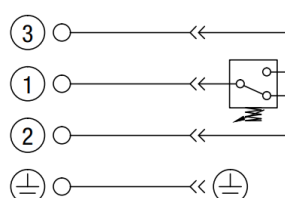
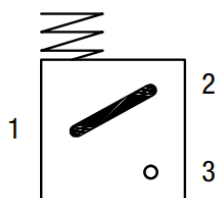
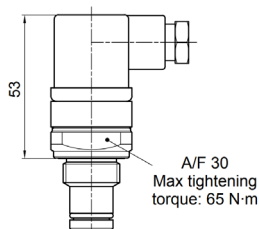
ES/ER



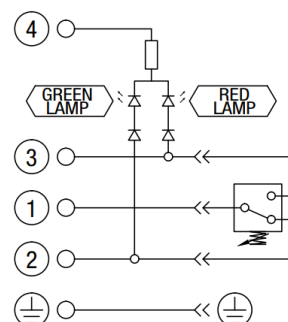
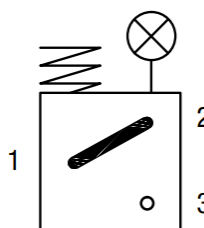
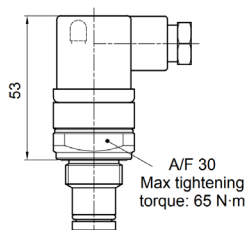
Indicators

Part #	List Price \$	Thread	Pressure	Indicator	Connector
DEA50HA50P01		1/2" BSPP	5 bar	Electrical indicator	DIN
DLA50HA71P01		1/2" BSPP	5 bar	LED visual indicator	5 pin round
DLA50HA51P01		1/2" BSPP	5 bar	LED visual indicator	DIN
DVM50HP01		1/2" BSPP	5 bar	Visual Differential Indicator	-
T2-H		1/2" BSPP		Blanking plug	

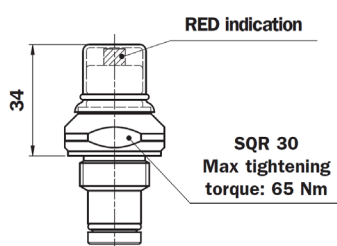
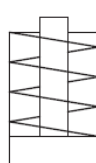
DEA



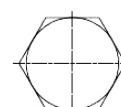
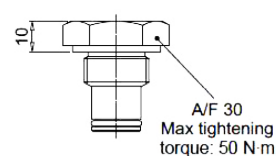
DLA



DVM



T2-H



Filtration Cart

Part #	List Price \$	Description	
HNC11/20/M90/10		Inlet Filter	CS15000M90A* 90µm nominal - 5psi bypass (includes visual clogging gauge)
		Outlet Filter	CS15000P10A* 10µm nominal - 25psi bypass (includes visual clogging gauge)
		Electric Motor	1.1kw 1440rpm with on/off switch
		Gear Pump	Vivoil 16.8cc Group 2
		Output Flow	24 lpm
		Inlet Hose	1.1/4" diameter, 2.2mtr length
		Outlet Hose	1" diameter, 2.2mtr length
ICMWMKUG12.0		ICM2.0 - optional inline contamination monitor by MP Filtri	

* For replacement filter see page 272



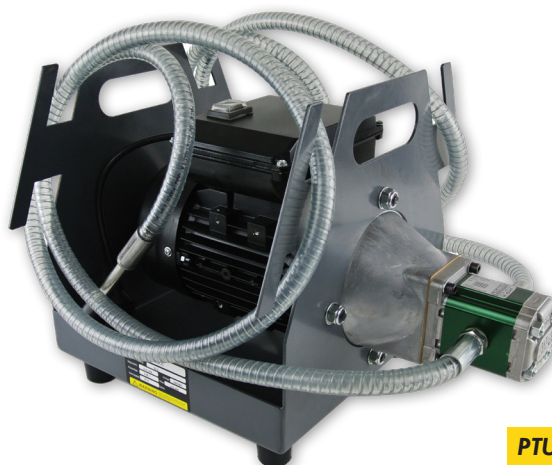
- Filtration cart configuration has been based on usage with 46 grade hydraulic oil at minimum ambient temperature of 20°C.
- Operation outside these parameters could result in filtration system bypass.
- For special applications please contact us for custom configuration options.



HNC11



ICM



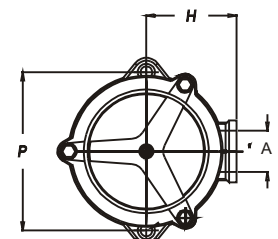
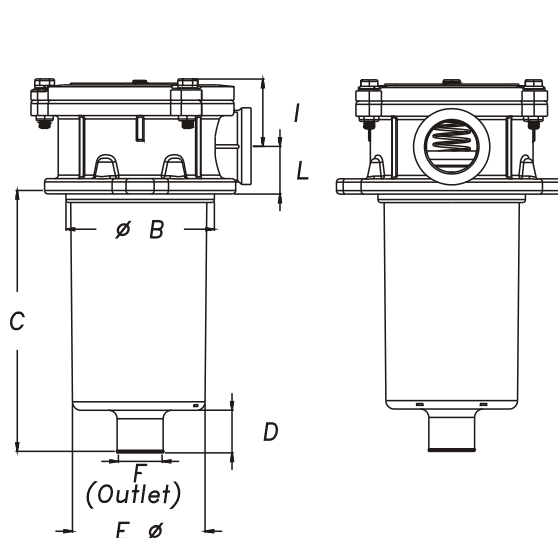
PTU55/6

Transfer Cart

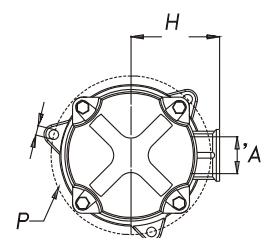
Part #	List Price \$	Description
PTU55/6		Filters
		Transfer unit only - no filtration
		Electric Motor
		0.55kW 4-pole single phase with on/off switch
		Gear Pump
		Vivoil 5.9cc Group 1, 35 bar
		Weight
		20kg
		Hoses
		2 mtr hoses
		Other
		Short lead 10amp plug, overload protection

Tank Top Return Filters - TIFP Series

Part #	List Price \$	Port Size (A)	Micron	Max Flow	Bypass	Dimensions mm								
						B	C	D	E	F	H	I	L	P
TIFP-04B-P10-R4		1/2" BSPP	10 µm nominal	25 lpm	25 psi	68	89	15	58	19	53	27	24	90
TIFP-06B-P10-R4		3/4" BSPP	10 µm nominal	40 lpm	25 psi	87	104	25	78	22	65	36	28	115
TIFP-08B-P10-R4		1" BSPP	10 µm nominal	50 lpm	25 psi	87	153	25	78	22	65	36	28	115
TIFP-10B-P10-R4		1.1/4" BSPP	10 µm nominal	100 lpm	25 psi	129	278	40	110	39	97	47	37	175



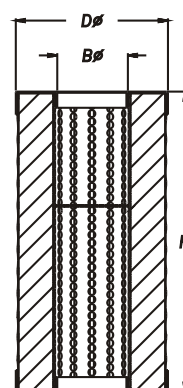
TIFP-04/06/08



TIFP-10

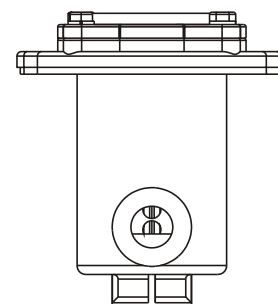
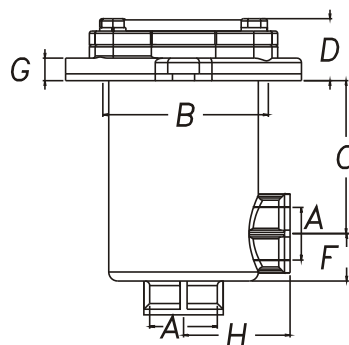
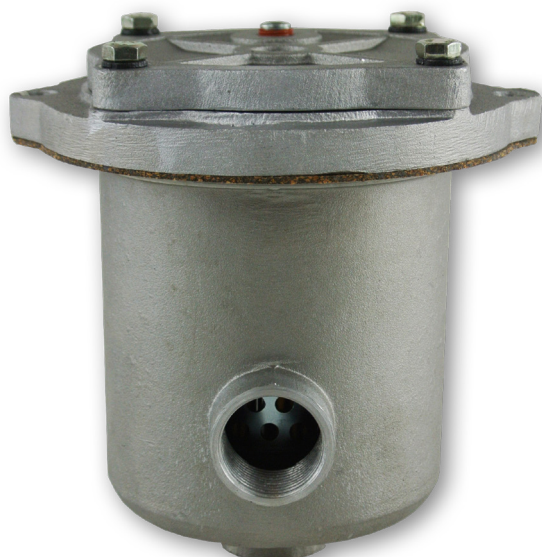
Tank Top Return Filter Elements - TIFP Series

Part #	Filter Series	List Price \$	Micron	Max Flow	Dimensions mm		
					D	B	H
TIE-04-P10	TIFP-04		10 µm	25 lpm	52	25.5	72
TIE-04-P25	TIFP-04		25 µm	40 lpm	52	25.5	72
TIE-06-P10	TIFP-06		10 µm	40 lpm	66	30.5	85
TIE-06-P25	TIFP-06		25 µm	50 lpm	66	30.5	85
TIE-08-P10	TIFP-08		10 µm	50 lpm	66	30.5	130
TIE-08-P25	TIFP-08		25 µm	65 lpm	66	30.5	130
TIE-10-P10	TIFP-10		10 µm	100 lpm	90	40.5	245
TIE-10-P25	TIFP-10		25 µm	120 lpm	90	40.5	245

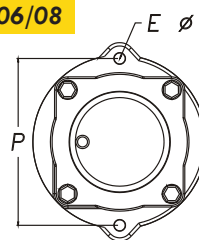


Tank Top Return Filters - FIF Series

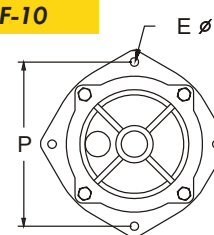
Part #	List Price \$	Port Size (A)	Micron	Max Flow	Bypass	Dimensions mm						
						B	C	D	E	F	G	P
FIF-04B-P10-R4		1/2" BSPP	10 µm nominal	25 lpm	25 psi	80	71	23	7	34	7	100
FIF-06B-P10-R4		3/4" BSPP	10 µm nominal	40 lpm	25 psi	105	68	24	9	48	10	126
FIF-08B-P10-R4		1" BSPP	10 µm nominal	50 lpm	25 psi	105	110	24	9	55	10	126
FIF-10B-P10-R4		1.1/4" BSPP	10 µm nominal	100 lpm	25 psi	156	190	35	9	62	14	175



FIF-04/06/08

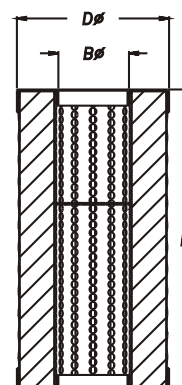
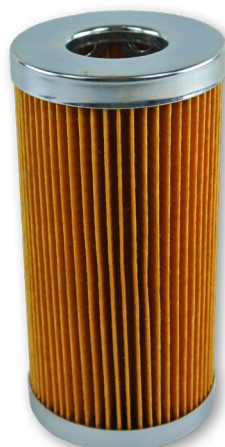


FIF-10



Tank Top Return Filter Elements - FIF Series

Part #	Filter Series	List Price \$	Micron	Max Flow	Dimensions mm		
					D	B	H
FIE-04-P10	FIF-04		10 µm	25 lpm	52	25.5	72
FIE-04-P25	FIF-04		25 µm	40 lpm	52	25.5	72
FIE-06-P10	FIF-06		10 µm	40 lpm	66	30.5	85
FIE-06-P25	FIF-06		25 µm	50 lpm	66	30.5	85
FIE-08-P10	FIF-08		10 µm	50 lpm	66	30.5	130
FIE-08-P25	FIF-08		25 µm	65 lpm	66	30.5	130
FIE-10-P10	FIF-10		10 µm	100 lpm	95	40.5	200
FIE-10-P25	FIF-10		25 µm	120 lpm	95	40.5	200



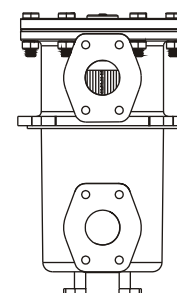
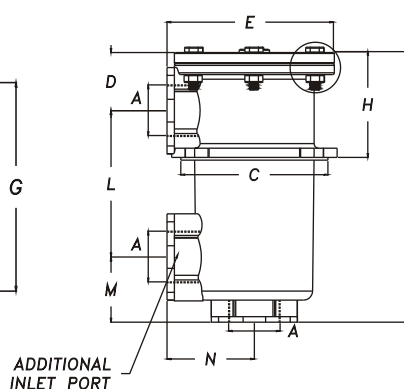
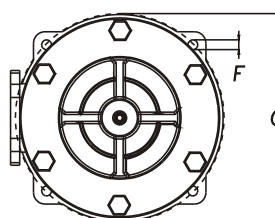
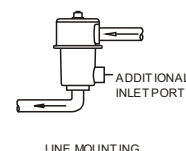
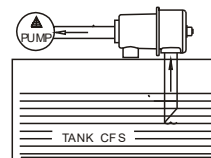
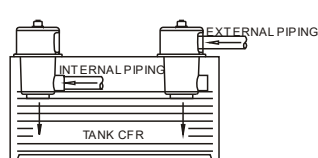
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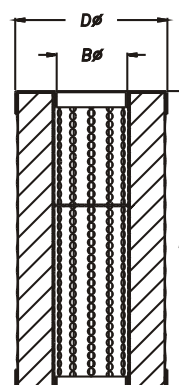
Tank Top Return Filters - CFR Series

Part #	List Price \$	Port Size (A)	Micron	Max Flow	Bypass	Dimensions mm									
						B	C	D	E	F	G	H	L	M	N
CFR-025-04B-P10-R4		1/2" BSPP	10 µm nominal	40 lpm	25 psi	117	83	29	98	5.6	93	46	56	33	52
CFR-040-06B-P10-R4		3/4" BSPP	10 µm nominal	60 lpm	25 psi	176	121	43	117	6.5	138	77	110	26	58
CFR-100-08B-P10-R4		1" BSPP	10 µm nominal	130 lpm	25 psi	257	134	64	143	6.5	154	113	140	52	71
CFR-250-12B-P10-R4		1.1/2" BSPP	10 µm nominal	150 lpm	25 psi	300	161	65	182	8.5	180	117	159	77	88



Tank Top Return Filter Elements - CFR Series

Part #	Filter Series	List Price \$	Micron	Max Flow	Dimensions mm		
					D	B	H
CE-025-P10	CFR-025		10 µm	40 lpm	52	25.5	72
CE-025-P25	CFR-025		25 µm	45 lpm	52	25.5	72
CE-040-P10	CFR-040		10 µm	60 lpm	70	34.5	86
CE-040-P25	CFR-040		25 µm	85 lpm	70	34.5	86
CE-100-P10	CFR-100		10 µm	130 lpm	70	34.5	130
CE-100-P25	CFR-100		25 µm	140 lpm	70	34.5	130
CE-250-P10	CFR-250		10 µm	150 lpm	100	51	210
CE-250-P25	CFR-250		25 µm	180 lpm	100	51	210



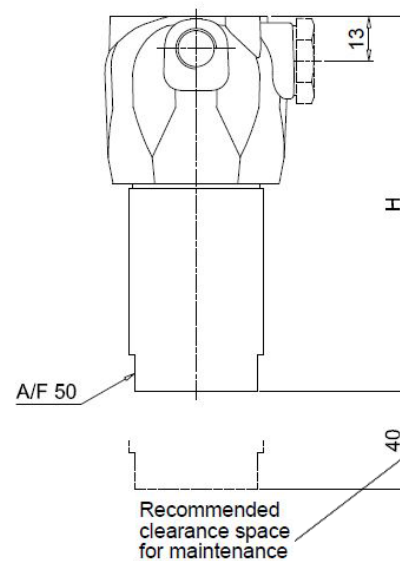
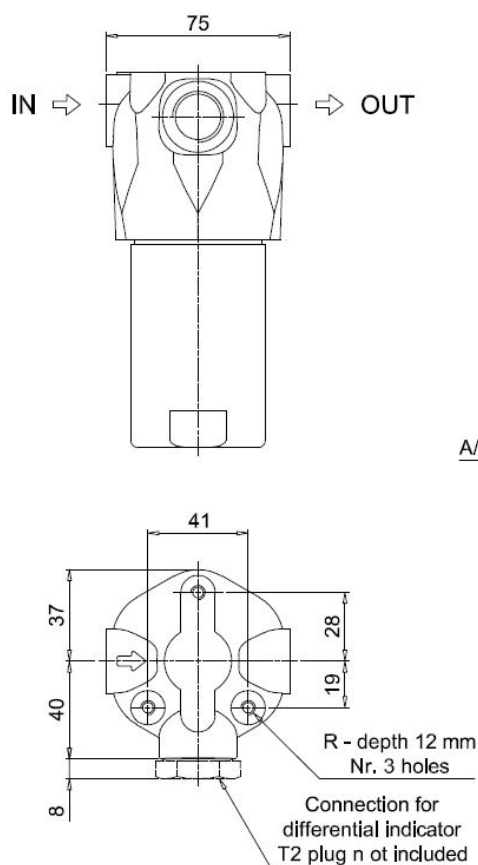
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Pressure Filter FHP 010 Series

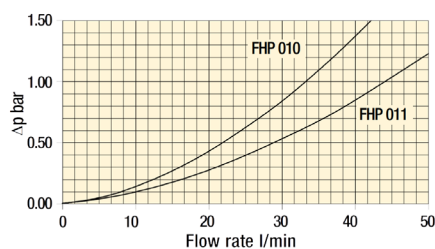
Part #	List Price \$	Port Size	Micron	Max Pressure	Bypass	Flow Rate
FHP0104BAD2A03NP01		3/8" BSPP	3 µm	420 bar	6 bar	750 lpm
FHP0104BAD2A06NP01		3/8" BSPP	6 µm	420 bar	6 bar	750 lpm
FHP0104BAD2A10NP01		3/8" BSPP	10 µm	420 bar	6 bar	750 lpm
FHP0104BAD2A25NP01		3/8" BSPP	25 µm	420 bar	6 bar	750 lpm



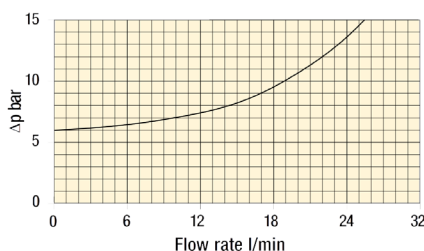
FHP 010 Series Dimensions

Base Width	55mm
Head Width	75mm
Height (H)	203mm
Weight	3.13kg
Volume	0.20dm ³

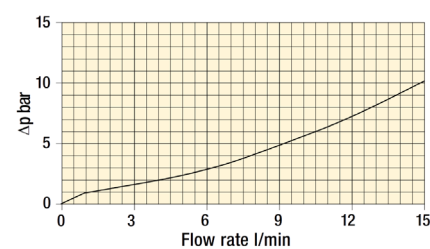
FILTER HOUSING PRESSURE DROP



BYPASS VALVE PRESSURE DROP



FILTER HOUSING WITH CHECK VALVE



Graph curves are plotted using mineral oil with density of 0.86kg/dm³ to ISO 3968.
 Δp varies proportional with density.



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Filter housing materials

- Head: Phosphatized cast iron
- Housing: Phosphatized steel
- Bypass valve:
AISI 316L (FHP 010 - 011)
Brass (FHP 065 - 135 - 320)
Steel (FHP 500)
- Reverse Flow: Steel (FHP 320 - FHP 500)
- Check valve: Steel

Pressure

- Working pressure: 42 MPa (420 bar)
- Test pressure: 63 MPa (630 bar)
- Burst pressure: 126 MPa (1260 bar)
- Pulse pressure fatigue test: 1 000 000 cycles with pressure from 0 to 42 MPa (420 bar)

Bypass valve

- Opening pressure 600 kPa (6 bar)
- Other opening pressures on request.

Δp element type

- Microfibre filter elements - series N: 20 bar
- Microfibre filter elements - series R: 20 bar (not available for FHP 010-011 and FHP 500)
- Microfibre filter elements - series H: 210 bar
- Microfibre filter elements - series S: 210 bar (only for FHP 500)
- Wire mesh filter elements - series N: 20 bar
- Fluid flow through the filter element from OUT to IN.

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Connections

FHP 010 - 065 - 135 - 500:
In-line Inlet/Outlet
FHP 011 - 320:
90° Inlet/Outlet

Note

FHP filters are provided for vertical mounting

Filter Elements

Part #	List Price \$	Micron
HP0114A03ANP01		3 µm
HP0114A06ANP01		6 µm
HP0114A10ANP01		10 µm
HP0114A25ANP01		25 µm

Indicators

Part #	List Price \$	Type
DEA50HA50P01		Electrical
DVM50HP01		Visual
T2-H		Blanking plug



DEA



DVM



T2-H



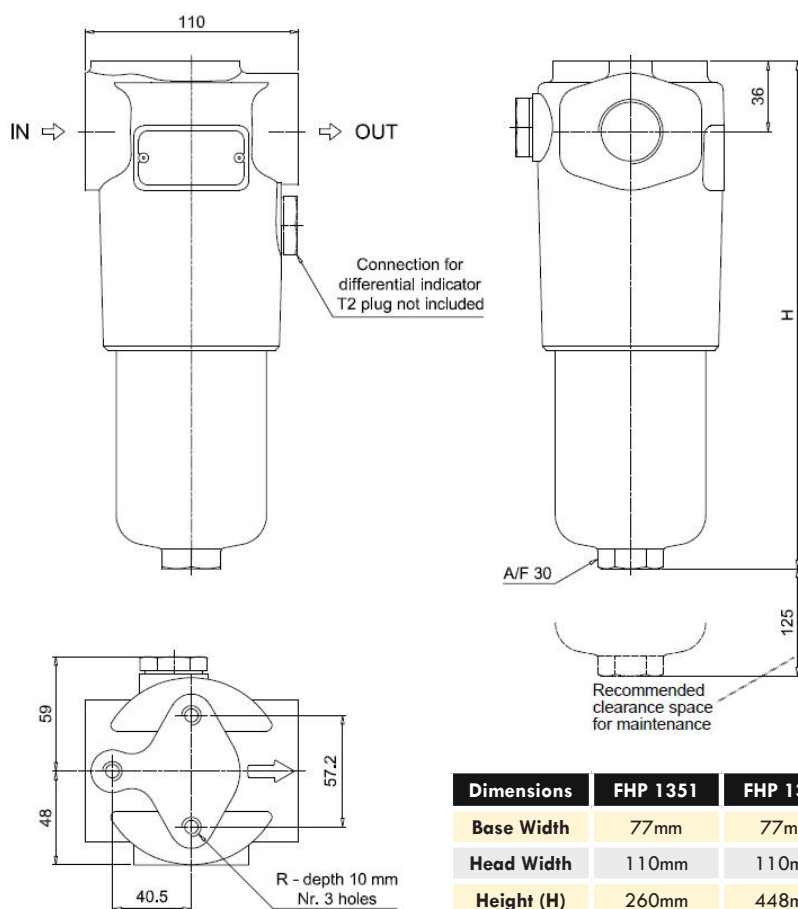
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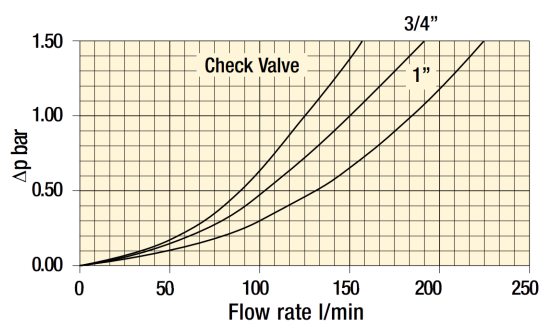
Pressure Filter FHP 135 Series

Part #	List Price \$	Port Size	Micron	Max Pressure	Bypass	Flow Rate
FHP1351BAG2A03NP01		1" BSPP	3 µm	420 bar	6 bar	750 lpm
FHP1351BAG2A06NP01		1" BSPP	6 µm	420 bar	6 bar	750 lpm
FHP1351BAG2A10NP01		1" BSPP	10 µm	420 bar	6 bar	750 lpm
FHP1351BAG2A25NP01		1" BSPP	25 µm	420 bar	6 bar	750 lpm
FHP1353BAG2A03NP01		1" BSPP	3 µm	420 bar	6 bar	750 lpm
FHP1353BAG2A06NP01		1" BSPP	6 µm	420 bar	6 bar	750 lpm
FHP1353BAG2A10NP01		1" BSPP	10 µm	420 bar	6 bar	750 lpm
FHP1353BAG2A25NP01		1" BSPP	25 µm	420 bar	6 bar	750 lpm

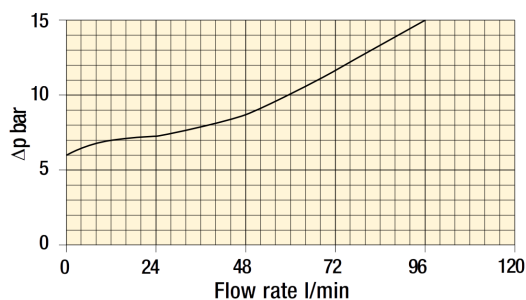


Dimensions	FHP 1351	FHP 1353
Base Width	77mm	77mm
Head Width	110mm	110mm
Height (H)	260mm	448mm
Weight	7.11kg	9.76kg
Volume	0.43dm ³	0.97dm ³

FILTER HOUSING PRESSURE DROP



BYPASS VALVE PRESSURE DROP



Graph curves are plotted using mineral oil with density of 0.86kg/dm³ to ISO 3968.
 Δp varies proportional with density.

Filter housing materials

- Head: Phosphatized cast iron
- Housing: Phosphatized steel
- Bypass valve:
AISI 316L (FHP 010 - 011)
Brass (FHP 065 - 135 - 320)
Steel (FHP 500)
- Reverse Flow: Steel (FHP 320 - FHP 500)
- Check valve: Steel

Pressure

- Working pressure: 42 MPa (420 bar)
- Test pressure: 63 MPa (630 bar)
- Burst pressure: 126 MPa (1260 bar)
- Pulse pressure fatigue test: 1 000 000 cycles with pressure from 0 to 42 MPa (420 bar)

Bypass valve

- Opening pressure 600 kPa (6 bar)
- Other opening pressures on request.

Δp element type

- Microfibre filter elements - series N: 20 bar
- Microfibre filter elements - series R: 20 bar (not available for FHP 010-011 and FHP 500)
- Microfibre filter elements - series H: 210 bar
- Microfibre filter elements - series S: 210 bar (only for FHP 500)
- Wire mesh filter elements - series N: 20 bar
- Fluid flow through the filter element from OUT to IN.

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Connections

FHP 010 - 065 - 135 - 500:
In-line Inlet/Outlet
FHP 011 - 320:
90° Inlet/Outlet

Note

FHP filters are provided for vertical mounting

Filter Elements

Part #	List Price \$	Micron
HP1351A03ANP01		3 µm
HP1351A06ANP01		6 µm
HP1351A10ANP01		10 µm
HP1351A25ANP01		25 µm
HP1353A03ANP01		3 µm
HP1353A06ANP01		6 µm
HP1353A10ANP01		10 µm
HP1353A25ANP01		25 µm

Indicators

Part #	List Price \$	Type
DEA50HA50P01		Electrical
DVM50HP01		Visual
T2-H		Blanking plug



DEA



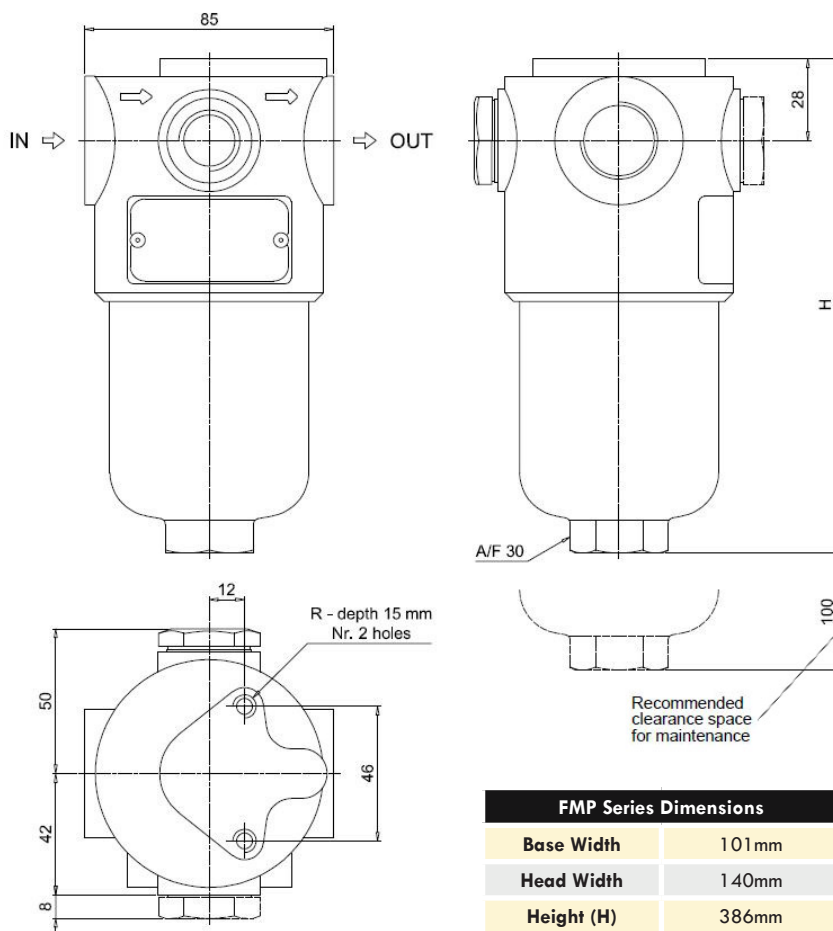
DVM



T2-H

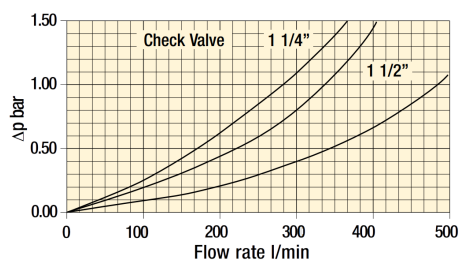
Pressure Filter FMP Series

Part #	List Price \$	Port Size	Micron	Max Pressure	Bypass	Flow Rate
FMP3202BAG1A03NP01		1.1/4" BSPP	3 µm	320 bar	6 bar	475 lpm
FMP3202BAG1A06NP01		1.1/4" BSPP	6 µm	320 bar	6 bar	475 lpm
FMP3202BAG1A10NP01		1.1/4" BSPP	10 µm	320 bar	6 bar	475 lpm
FMP3202BAG1A25NP01		1.1/4" BSPP	25 µm	320 bar	6 bar	475 lpm

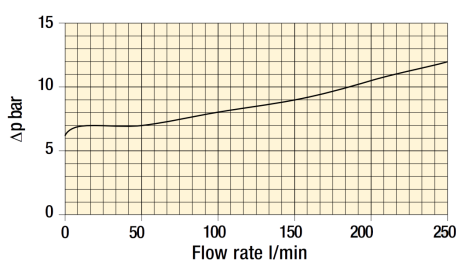


FMP Series Dimensions	
Base Width	101mm
Head Width	140mm
Height (H)	386mm
Weight	13.08kg
Volume	1.75dm ³

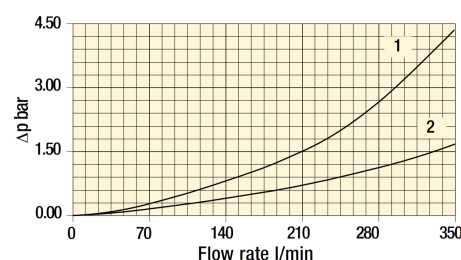
FILTER HOUSING PRESSURE DROP



BYPASS VALVE PRESSURE DROP



FILTER HOUSING WITH CHECK VALVE



Graph curves are plotted using mineral oil with density of 0.86kg/dm³ to ISO 3968.
 Δp varies proportional with density.



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Filter housing materials

- Head: Phosphatized cast iron
- Housing: Phosphatized steel
- Bypass valve: Brass
- Reverse Flow: Steel (only for series FMP 320)
- Check valve: Steel

Pressure

- Working pressure: 32 MPa (320 bar)
- Test pressure: 48 MPa (480 bar)
- Burst pressure: 96 MPa (960 bar)
- Pulse pressure fatigue test: 1 000 000 cycles with pressure from 0 to 32 MPa (320 bar)

Bypass valve

- Opening pressure 600 kPa (6 bar)
- Other opening pressures on request.

Δp element type

- Microfibre filter elements - series N-R: 20 bar
- Microfibre filter elements - series H-S: 210 bar
- Wire mesh filter elements - series N: 20 bar
- Fluid flow through the filter element from OUT to IN.

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Connections

In-line Inlet/Outlet

Note

FMP filters are provided for vertical mounting

Filter Elements

Part #	List Price \$	Micron
HP3202A03ANP01		3 µm
HP3202A06ANP01		6 µm
HP3202A10ANP01		10 µm
HP3202A25ANP01		25 µm

Indicators

Part #	List Price \$	Type
DEA50HA50P01		Electrical
DVM50HP01		Visual
T2-H		Blanking plug



DEA



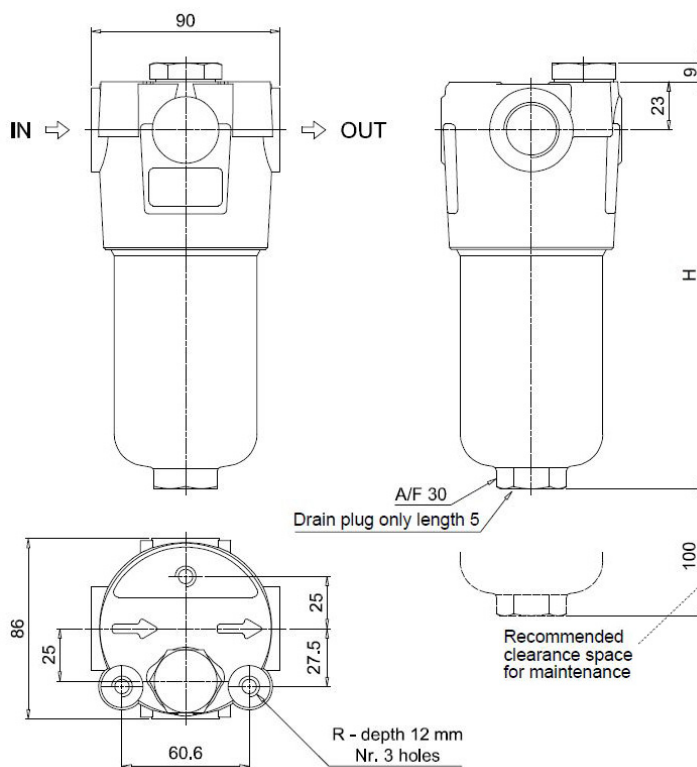
DVM



T2-H

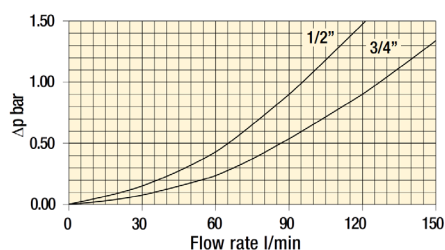
Pressure Filter FMM Series

Part #	List Price \$	Port Size	Micron	Max Pressure	Bypass	Flow Rate
FMM0502BACA03NP01		1/2" BSPP	3 µm	420 bar	6 bar	152 lpm
FMM0502BACA06NP01		1/2" BSPP	6 µm	420 bar	6 bar	152 lpm
FMM0502BACA10NP01		1/2" BSPP	10 µm	420 bar	6 bar	152 lpm
FMM0502BACA25NP01		1/2" BSPP	25 µm	420 bar	6 bar	152 lpm
FMM0502BADA03NP01		3/4" BSPP	3 µm	420 bar	6 bar	152 lpm
FMM0502BADA06NP01		3/4" BSPP	6 µm	420 bar	6 bar	152 lpm
FMM0502BADA10NP01		3/4" BSPP	10 µm	420 bar	6 bar	152 lpm
FMM0502BADA25NP01		3/4" BSPP	25 µm	420 bar	6 bar	152 lpm
FMM0504BACA03NP01		1/2" BSPP	3 µm	420 bar	6 bar	152 lpm
FMM0504BACA06NP01		1/2" BSPP	6 µm	420 bar	6 bar	152 lpm
FMM0504BACA10NP01		1/2" BSPP	10 µm	420 bar	6 bar	152 lpm
FMM0504BACA25NP01		1/2" BSPP	25 µm	420 bar	6 bar	152 lpm
FMM0504BADA03NP01		3/4" BSPP	3 µm	420 bar	6 bar	152 lpm
FMM0504BADA06NP01		3/4" BSPP	6 µm	420 bar	6 bar	152 lpm
FMM0504BADA10NP01		3/4" BSPP	10 µm	420 bar	6 bar	152 lpm
FMM0504BADA25NP01		3/4" BSPP	25 µm	420 bar	6 bar	152 lpm

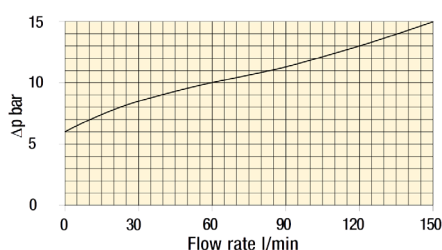


Dimensions	FMM 0502	FMM 0504
Base Width	77mm	77mm
Head Width	110mm	110mm
Height (H)	195mm	285mm
Weight	7.11kg	9.76kg
Volume	0.43dm ³	0.97dm ³

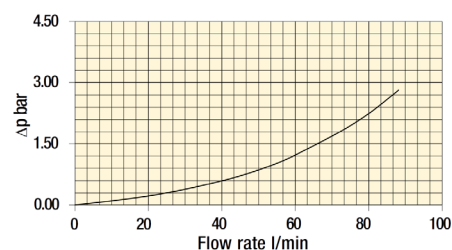
FILTER HOUSING PRESSURE DROP



BYPASS VALVE PRESSURE DROP



FILTER HOUSING WITH CHECK VALVE



Graph curves are plotted using mineral oil with density of 0.86kg/dm³ to ISO 3968.
 Δp varies proportional with density.

FMM 050

Maximum pressure up to 420 bar
Flow rate up to 152 l/min

Filter housing materials

- Head: Phosphatized cast iron
- Housing: Phosphatized steel
- Bypass valve: Steel

Pressure

- Working pressure: 42 MPa (420 bar)
- Test pressure: 63 MPa (630 bar)
- Burst pressure: 126 MPa (1260 bar)
- Pulse pressure fatigue test: 1 000 000 cycles with pressure from 0 to 42 MPa (420 bar)

FMM 050

Bypass valve

- Opening pressure 600 kPa (6 bar)
- Other opening pressures on request.

Δp element type

- Microfibre filter elements - series N: 20 bar
- Microfibre filter elements - series S: 210 bar
- Wire mesh filter elements - series N: 20 bar
- Fluid flow through the filter element from OUT to IN

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Connections

In-line Inlet/Outlet

Note

Both FMM and FHA filters are provided for vertical mounting



Filter Elements FMM 0502

Part #	List Price \$	Micron
HP0502A03ANP01		3 µm
HP0502A06ANP01		6 µm
HP0502A10ANP01		10 µm
HP0502A25ANP01		25 µm

Filter Elements FMM 0504

Part #	List Price \$	Micron
HP0504A03ANP01		3 µm
HP0504A06ANP01		6 µm
HP0504A10ANP01		10 µm
HP0504A25ANP01		25 µm

Indicators

Part #	List Price \$	Type
DEA50HA50P01		Electrical
DVM50HP01		Visual
T2-H		Blanking plug



DEA



DVM



T2-H

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