



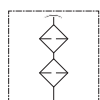
AIR FILTERS AND FILLER BREATHERS

FA3 / FB1 / FB2 / FT series

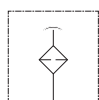
The air breather filters are integral part of the filtration within the hydraulic system, as they retain the environment contamination that could enter into the reservoir with the air sucked due to the oil level fluctuations during the system operation.

Our wide range of air filter and filler breathers offers the suitable solution to various requirements.

HYDRAULIC SYMBOL



FA3 / FB2 / FT5 / FT8



FB1 / FT6 / FT7



FA-3 SERIES

Flange mounted with spin-on element

TECHNICAL INFORMATION

MATERIALS:

Canister: painted steel

Flange and basket: zinc plated steel

Gaskets: NBR

FILTER MEDIA:

Cellulose (air filtration 3 μm)

Glassfiber (air filtration 1 μm)

WORKING TEMPERATURE:

-25° + 100°C (-13°F + 212°F)

FLUID COMPATIBILITY:

(acc. to ISO 2943)

Mineral oil, vegetable oil, synthetic oil.

For use with other fluids (in particular

HFA-HFC-HFD/R -HPG) please contact

the FILTREC Customer Service (info@filtrec.it).

ORDERING INFORMATION

Filter assembly
FA3

20

C03

Filter element
A3

20

C03

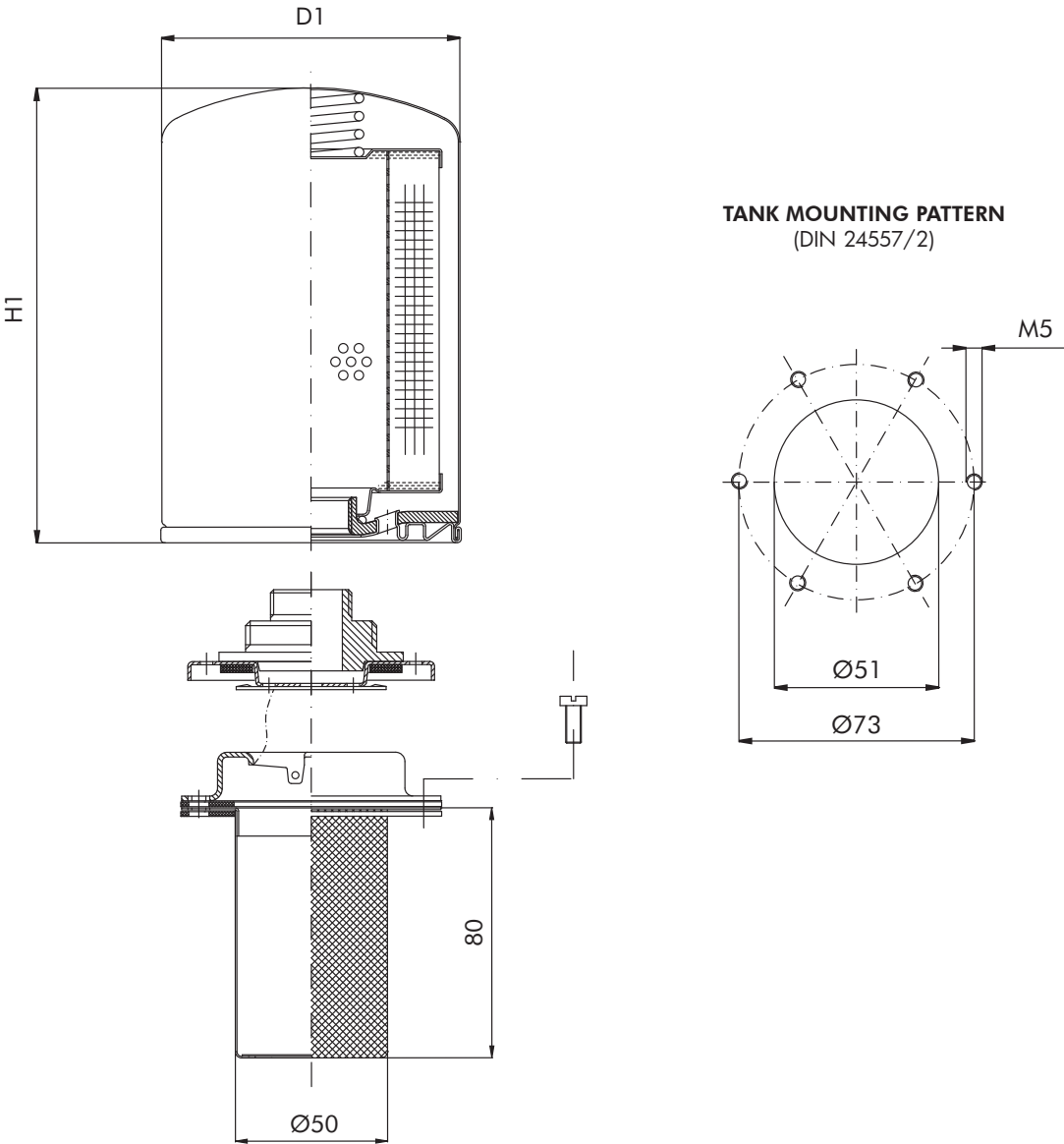
NOMINAL SIZE

WE	base assembly, without spin-on
10	See table "NOMINAL SIZE"
11	
20	
21	

FILTER MEDIA

C03	cellulose (air filtr. 3 μm)
G01	glassfiber (air filtr. 1 μm)

OVERALL DIMENSIONS

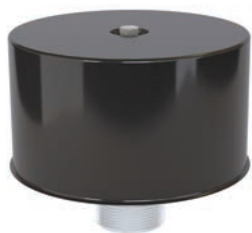


NOMINAL SIZE

CODE	D1	H1	Air flow rate l/min Δp 0,015 barg		SPIN-ON ELEMENT
			C03	G01	
FA310	96	145	550	530	A310
FA311		213			A311
FA320	129	180	1415	1330	A320
FA321		228			A321

FB1 SERIES

Air breather filtes, with replaceable filter element



TECHNICAL INFORMATION

MATERIALS:	Cover: painted steel
FILTER MEDIA:	Cellulose (air filtration 3 μ m)
WORKING TEMPERATURE:	-25° + 100°C (-13°F +212°F)
FLUID COMPATIBILITY: (acc. to ISO 2943)	Mineral oil, vegetable oil, synthetic oil. For use with other fluids(in particular HFA-HFC-HFD/R -HPG) please contact the FILTREC Customer Service (info@filtrec.it).

ORDERING INFORMATION

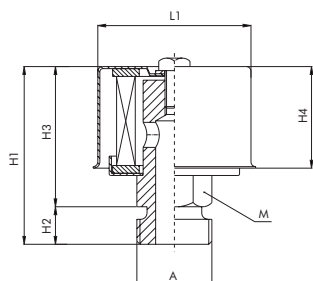
Filter assembly FB1	10	B2	C10
Filter element B1	10		C10

NOMINAL SIZE	
10	cover Ø 48
20	cover Ø 67
30	cover Ø 108

CONNECTION	
B1	1/4" BSP
B2	3/8" BSP
B3	1/2" BSP
B4	3/4" BSP
B5	1" BSP

FILTER MEDIA	
C10	cellulose (air filtration 3 μ m)

OVERALL DIMENSIONS



NOMINAL SIZE

CODE	A	H1	H2	H3	H4	L1	M	Air flow rate l/min Δp 0,015 barg
FB110	1/4" - 3/8" BSP	54	9	45	32	48	14/19	250
FB120	1/2" - 3/4" BSP	69	10	59	50	67	22	350
FB130	1" BSP	91	15	76	61	108	34	800

FT6 & FT7 SERIES

Air breather filters



TECHNICAL INFORMATION

MATERIALS

Cover: chrome plated steel

Threaded connection: zinc plated steel

FILTER MEDIA:

Polyurethane (air filtration 3 μm and 10 μm)

PRESSURIZATION VALVE:

0,35 or 0,75 bar (for FT7 only)

WORKING TEMPERATURE:

-25° + 100°C (-13°F + 212°F)

FLUID COMPATIBILITY:

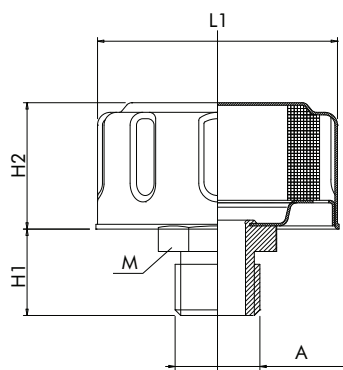
(acc. to ISO 2943)

Mineral oil, vegetable oil, synthetic oil.
For use with other fluids(in particular
HFA-HFC-HFD/R -HPG) please contact
the FILTREC Customer Service (info@filtrec.it).

ORDERING INFORMATION

FT		7	F03	B4	1
NOMINAL SIZE					
6	cover Ø48				
7	cover Ø75				
FILTER MEDIA					
F03	polyurethane (air filtration 3 µm)				
F10	polyurethane (air filtration 10 µm)				
CONNECTION					
B1	1/4" BSP				
B2	3/8" BSP				
B3	1/2" BSP				
B4	3/4" BSP				
PRESSURIZATION VALVE					
0	no valve				
1	0,35 bar / 5 psi				
2	0,75 bar / 10,8 psi				

OVERALL DIMENSIONS



NOMINAL SIZE

CODE	A	H1	H2	L1	M	Air flow rate l/min Δp 0,015 barg	
						F03	F10
FT6...B1	1/4" BSP	27	31	48	22	250	250
FT6...B2	3/8" BSP				24		
FT6...B3	1/2" BSP				27		
FT7...B3	1/2" BSP	35,5	75	75	32	450	550
FT7...B4	3/4" BSP						

FB2 SERIES

Air filters and filler breathers, with replaceable filter element



TECHNICAL INFORMATION

MATERIALS:

Housing: polyamide PA
Basket: polyamide PA
Gaskets: NBR

FILTER MEDIA:

Cellulose (air filtration 3 μm)
 Glassfiber (air filtration 1 μm)

WORKING TEMPERATURE:

-25° + 100°C (-13°F + 212°F)

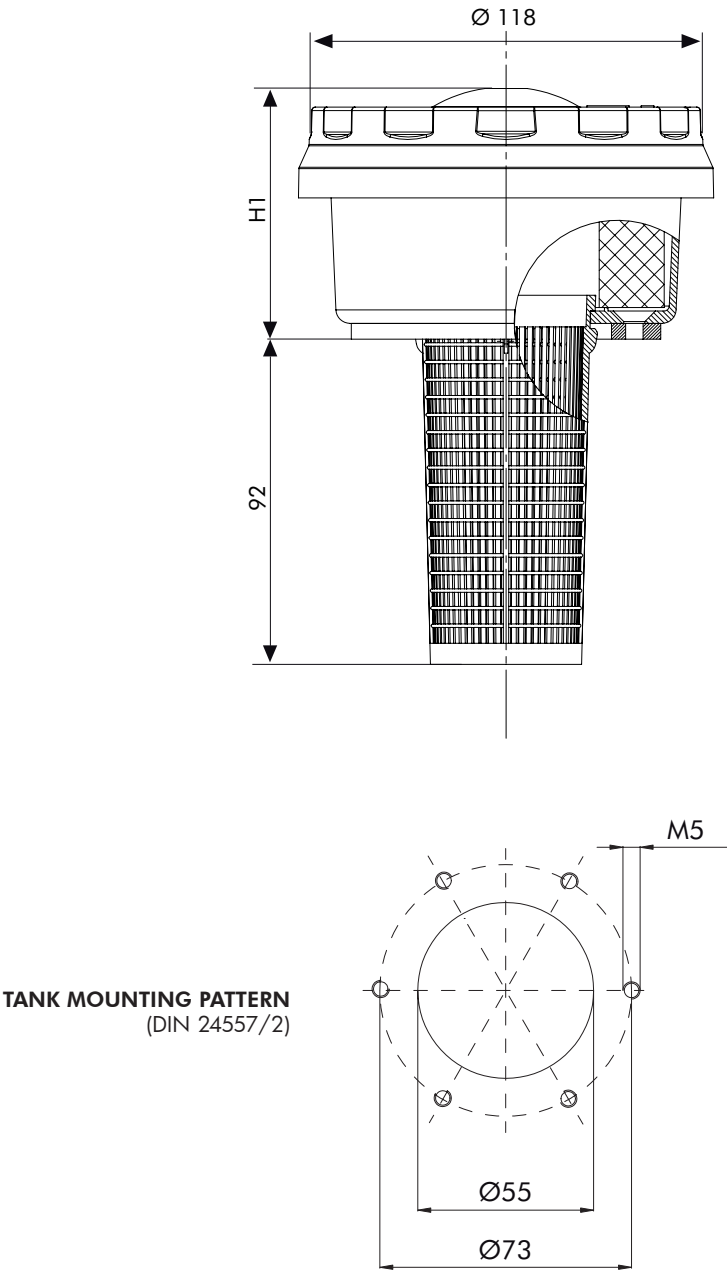
FLUID COMPATIBILITY: (acc. to ISO 2943)

Mineral oil, vegetable oil, synthetic oil.
 For use with other fluids(in particular
 HFA-HFC-HFD/R -HPG) please contact
 the FILTREC Customer Service (info@filtrec.it).

ORDERING INFORMATION

FB2		50	D2	C10	000
		↓			
		NOMINAL SIZE			
50	length 1				
51	length 2				
		↓			
		MOUNTING TYPE			
D2	flange, DIN 24557/2				
		↓			
		FILTER MEDIA			
000	without element				
C10	cellulose (air filtration 3 μm)				
G10	glassfiber (air filtration 1 μm)				
		↓			
		OPTIONS			
000	without options				

OVERALL DIMENSIONS



NOMINAL SIZE

MODEL	H1	Air flow rate l/min Dp 0,015 barg	
		C10	G10
FB250	46	1200	1400
FB251	74	1600	1800

FT SERIES

Filler breathers with flange or welding mounting



TECHNICAL INFORMATION

MATERIALS:

Cover: chrome plated steel
Basket: zinc plated steel
Flange: zinc plated steel
Gaskets: NBR

FILTER MEDIA:

Polyurethane (air filtration $3\mu\text{m}$ e $10\mu\text{m}$)
 The plugs are linked to the mounting flange with a safety chain (except versions T13, S10 and W10).

PRESSURIZATION VALVE:

0,35 or 0,75 bar (for FT8 only)

WORKING TEMPERATURE:

-25° + 100°C (-13°F + 212°F)

FLUID COMPATIBILITY:

(acc. to ISO 2943)

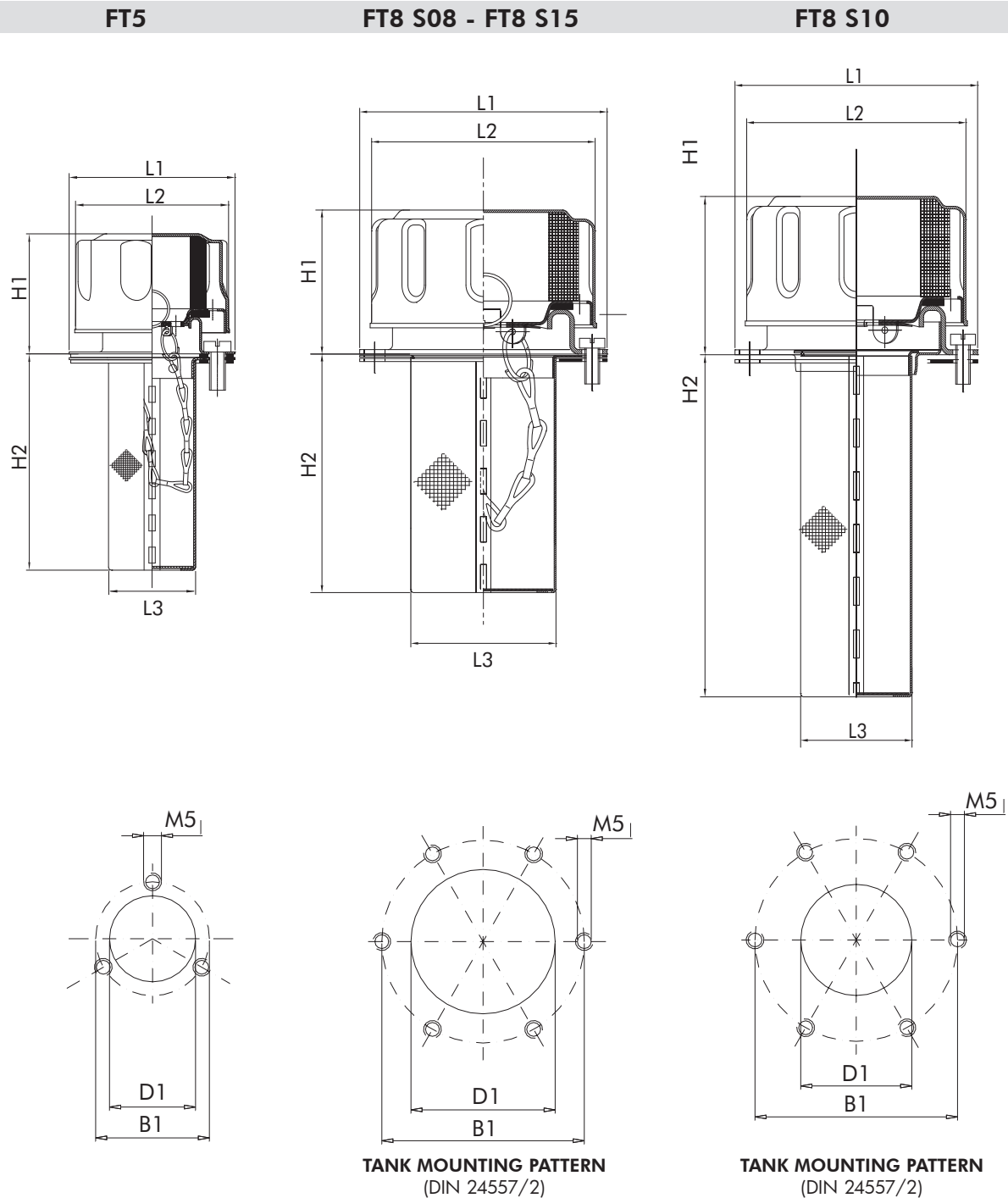
Mineral oil, vegetable oil, synthetic oil.
 For use with other fluids (in particular HFA-HFC-HFD/R -HPG) please contact the FILTREC Customer Service (info@filtrec.it).

ORDERING INFORMATION

FT		8	F03	B	S08	0	L
NOMINAL SIZE							
5	cover Ø48						
8	cover Ø75						
FILTER MEDIA							
F03	polyurethane (air filtration $3\mu\text{m}$)						
F10	polyurethane (air filtration $10\mu\text{m}$)						
GASKETS							
B	NBR						
MOUNTING TYPE							
---	FT5 only						
S08	flange, basket h = 80 mm						
S15	flange, basket h = 150 mm						
S10	flange, removable basket						
W10	welding flange						
T13	with antislash tube						
PRESSURIZATION VALVE							
0	no valve						
*1	0,35 bar / 5 psi						
*2	0,75 bar / 10,8 psi						
* for FT-8 only, see page 10		PADLOCK HOLDER					
		0	without padlock holder				
		*L	with padlock holder				

FLANGED MOUNTING

OVERALL DIMENSIONS



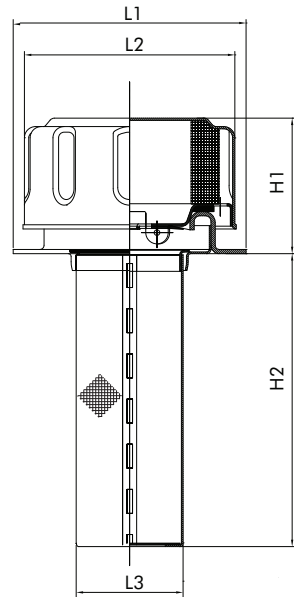
NOMINAL SIZE

CODE	B1	D1	H1	H2	L1	L2	L3	Air flow rate l/min Dp 0,015 barg	
								F03	F10
FT5	41	31	37	67	52	48	27,5	200	250
FT8 S8	71 ÷ 73	52	50	80	83	75	50	450	550
FT8 S15				150					
FT8 S10		40		105			38		

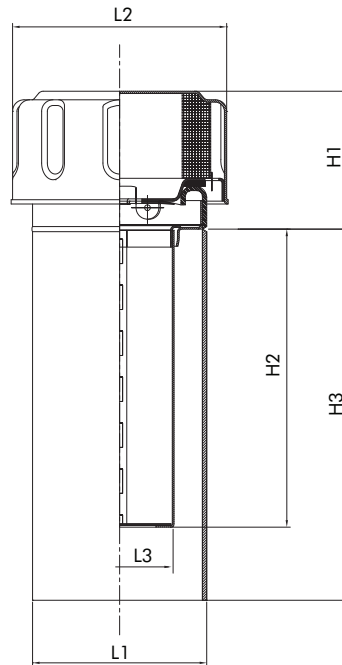
WELDING MOUNTING

OVERALL DIMENSIONS

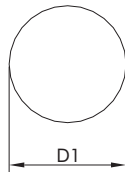
FT8 W10



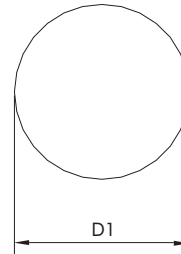
FT8 T13



**HOLE ON
THE TANK**



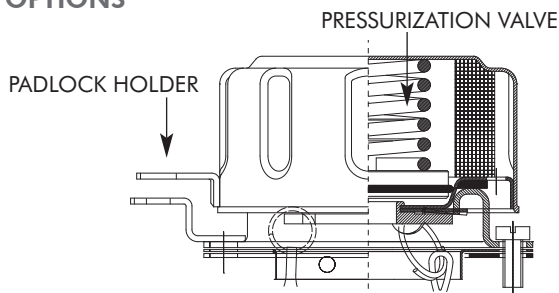
**HOLE ON
THE TANK**



NOMINAL SIZE

CODE	D1	H1	H2	H3	L1	L2	L3	Air flow rate l/min Dp 0,015 barg	
								F03	F10
FT8 W10	40	50	105	---	83	75	38	200	250
FT8 T13	62			130	60			450	550

OPTIONS



On request, FT7 and FT8 can be supplied with some option:

- PRESSURIZATION VALVE
- PADLOCK HOLDER (FT8 only)

