



FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION



FILTREC®
Technical Filtration

serie
FA-1
RETURN



Serie FA-1

Filtri avvitabili
Spin-on filter



FILTER HOUSING

Description:
Max flow rate:
Max working pressure:
Test pressure:
Burst pressure:
Connection Ports:
By-pass setting:
Indicator:
Working temperature:
Materials:

Fluids compatibility:

FILTER ELEMENT

Filter media:

Collapse pressure:

Technical Information

In line low-pressure spin-on filter assemblies, suction and return lines.
300 l/min (79 gpm)

As per NFPA T 3.10.17: 12 Bar (175 psi)

As per NFPA T 3.10.17: 15 Bar (217.5 psi)

As per NFPA T 3.10.17: 20 Bar (290 psi)

BSP

suction line 0,25 Bar (3.6 psi) return line 1,7 Bar (24.6 psi)

Visual and electrical

-25°C +120°C (-13°F +248°F)

- Head: aluminium
- Housing: carbon steel
- Seal: Buna-N

ISO 2943: Filter assembly compatible with mineral oils and some synthetic or vegetable oils. With other fluid applications please contact Filtrac S.p.A.

Microglass fiber 3,6,10,25 µm

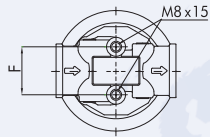
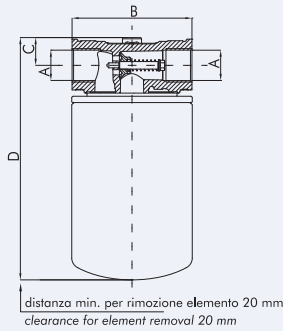
Cellulose 10,25 µm

Wire mesh 60, 125 µm

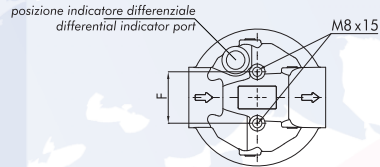
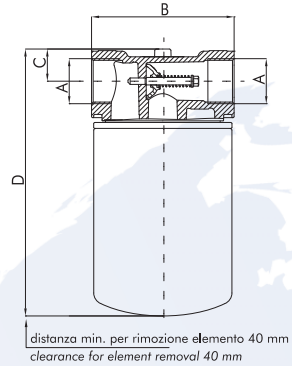
as per ISO 2941: 4 Bar (58 psi)

Informazioni dimensionali - Overall dimensions

FA-1-10/11



FA-1-20/21

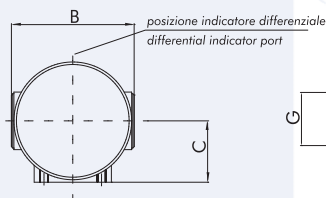
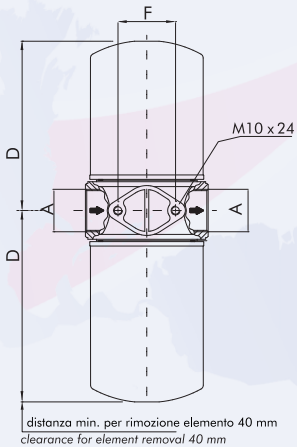


Solo su richiesta (Contattate il nostro ufficio commerciale) - Only on request (Please contact our sales department)

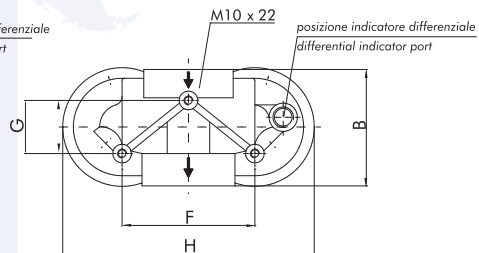
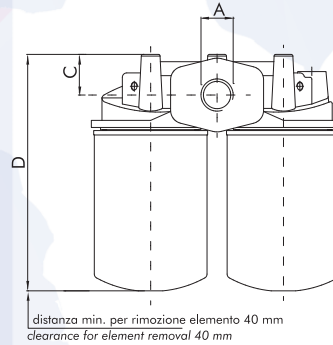
Conessioni IN/OUT IN/OUT Connection	Connessione cartuccia Filter element connection	Fori di fissaggio Mounting holes
1" BSP	3/4" BSP	M8
3/4" NPT	1"-12 UNF	1/4"-20 UNC
1" NPT		
1"1/16-12 UNF		

Conessioni IN/OUT IN/OUT Connection	Connessione cartuccia Filter element connection	Fori di fissaggio Mounting holes
1"1/4 NPT	1"1/4 BSP 1"1/2-16 UNF	5/16"-18-UNC-2B
1"5/8-12-UNF		

FA-1-30/31



FA-1-40/41

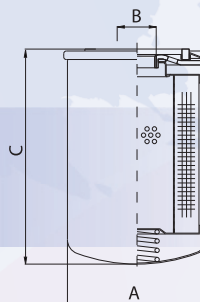


1) Grandezza nominale - Nominal size

Codice - Code	A	B	C	D	F	G	H	Cart. ricambio Element
FA-1-10	3/4" BSP	95	22	192	38	----	----	A-1-10
FA-1-11		95	22	257	38	----	----	A-1-11
FA-1-20	1 1/4" BSP	133	30	249	50	----	----	A-1-20
FA-1-21		133	30	295	50	----	----	A-1-21
FA-1-30	1 1/2" BSP	140	70	218	65	----	----	A-1-20
FA-1-31		140	70	262	65	----	----	A-1-21
FA-1-40	1 1/2" BSP	132	46	267	150	60	284	A-1-20
FA-1-41	1 1/2" SAE J518-3000	132	46	313	150	60	284	A-1-21

2) Dimensioni cartucce - Element size

Codice - Code	A	B	C
A-1-10	96	3/4" BSP	148
A-1-11	96	3/4" BSP	213
A-1-20	128	1 1/4" BSP	182
A-1-21	128	1 1/4" BSP	228



3) Grado di filtrazione - Filtration ratings

Codice - Code	Materiale - Media	Efficienza - Efficiency
0	senza cartuccia / no element	-----
G03	microfibra inorganica / microglass fiber	$\beta_{4,5 \mu\text{m} (c)} \geq 1000$
G06	microfibra inorganica / microglass fiber	$\beta_{7 \mu\text{m} (c)} \geq 1000$
G10	microfibra inorganica / microglass fiber	$\beta_{12 \mu\text{m} (c)} \geq 1000$
G25	microfibra inorganica / microglass fiber	$\beta_{27 \mu\text{m} (c)} \geq 1000$
C10	carta trattata / resin impregnated cellulose	$\beta_{10 \mu\text{m} (c)} \geq 2$
C25	carta trattata / resin impregnated cellulose	$\beta_{25 \mu\text{m} (c)} \geq 2$
T60	tela metallica / wire mesh	-----
T125	tela metallica / wire mesh	-----

4) Connesioni - Connection port

Codice - Code	Connessione - Connection
B4	3/4" BSP
B6	1 1/4" BSP
B7	1 1/2" BSP
F7M	1 1/2" SAE J518 - 3000 - M 12

5) Valvola di by-pass - By-pass valve

Codice - Code	Taratura - Setting
0	senza / without
S	aspirazione / suction (0,25 Bar - 3,6 psi)
R	ritorno o in linea / return or in-line (1,7 Bar - 24,6 psi)

6) Indicatori - Indicator

Codice - Code	Tipo indicatore - Indicator type	Applicazione - Application	
0	senza without		
S1	vuotometro scala 0÷-1 Bar vacuum gauge indicator scale 0÷-1 Bar (14,5 Psi)	in aspirazione suction line	
S2	vuotostato n.a. taratura -0,2 Bar vacuum switch -0,2 Bar setting O.C. (-2,9 Psi)		
S3	vuotostato n.c. taratura -0,2 Bar vacuum switch 0,2 Bar setting C.C. (-2,9 Psi)		
S4	vuotostato visivo taratura -0,3 Bar vacuum switch view -0,3 Bar setting (-4,35 Psi)		
R1	manometro scala 0÷10 Bar pressure gauge indicator scale 0÷10 Bar setting (0÷145 Psi)	al ritorno	
R2	pressostato n.a. taratura 1,3 Bar pressure switch 1,3 Bar setting O.C. (18,85 Psi)	return line	
R3	pressostato n.c. taratura 1,3 Bar pressure switch 1,3 Bar setting C.C. (18,85 Psi)		
R4	pressostato taratura 1,3 Bar pressure switch 1,3 Bar setting (18,85 Psi)		
R6	pressostato visivo taratura 1,2 Bar visual pressure 1,2 Bar setting (17,4 Psi)		
R7	mano vuotometro taratura -1÷5 Bar pressure/vacuum gauge -1÷5 Bar setting (-14,5÷72,5 Psi)		
Z1	differenziale visivo taratura 1,3 Bar differential visual switch 1,3 Bar setting (18,85 Psi)		al ritorno solo per filtri FA-1-30/31 return line only for FA-1-30/31
Z2	differenziale visivo elettrico taratura 1,3 Bar differential electric visual switch 1,3 Bar setting (18,85 Psi)		al ritorno solo per filtri FA-1-30/31 return line only for FA-1-30/31
Z15	differenziale visivo taratura 1,3 Bar differential visual switch 1,3 Bar setting (18,85 Psi)	al ritorno solo per filtri FA-1-40/41 return line only for FA-1-40/41	
Z16	differenziale visivo elettrico taratura 1,3 Bar differential electric visual switch 1,3 Bar setting (18,85 Psi)	al ritorno solo per filtri FA-1-40/41 return line only for FA-1-40/41	
Z20	differenziale visivo taratura 1,3 Bar differential visual switch 1,3 Bar setting (18,85 Psi)	al ritorno solo per filtri FA-1-20/21 return line only for FA-1-20/21	
Z21	differenziale elettrico taratura 1,3 Bar differential electric switch 1,3 Bar setting (18,85 Psi)	al ritorno solo per filtri FA-1-20/21 return line only for FA-1-20/21	

Codici per l'ordinazione - Ordering information

Filtro completo
Filter assembly

FA-1

31

C10

B7

R

R2

1*

3*

4*

5*

6*

Cartuccia
Filter element

A-1

21

C10

1*

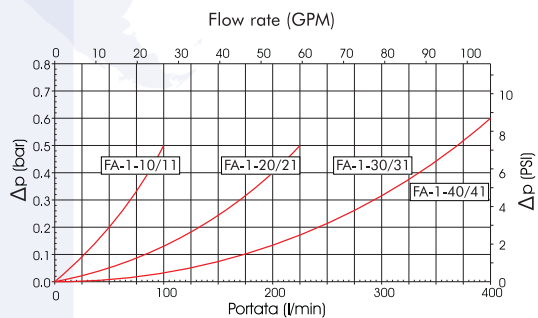
3*

Curve di portata - Pressure drop charts

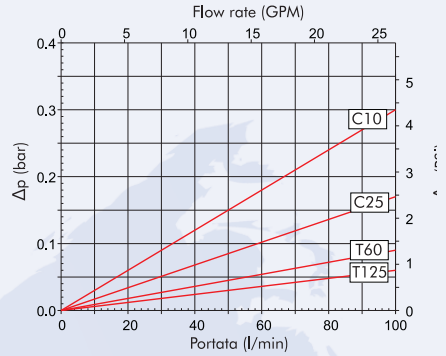
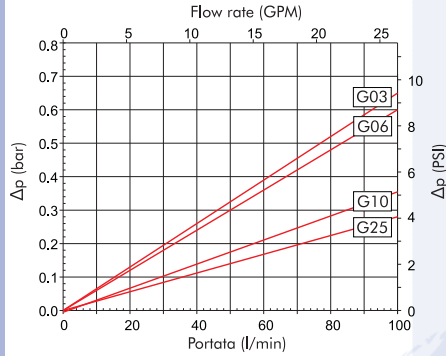
Filtro Housing

Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³. Per viscosità e densità diverse i dati variano.

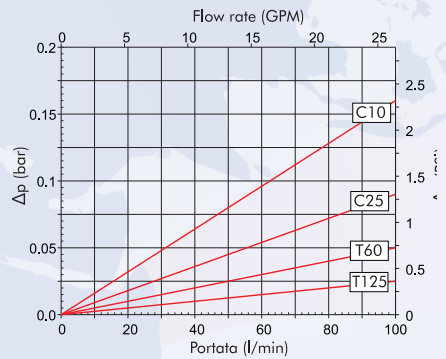
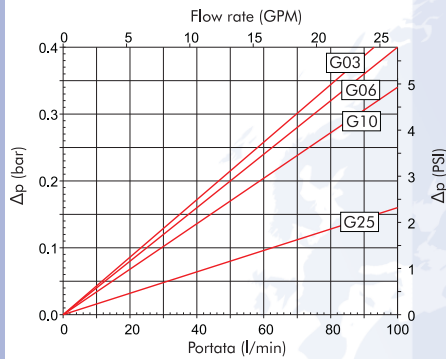
Pressure drop charts (as per ISO 3968 class B) are obtained using mineral oil with 30 cSt viscosity and 0,86 Kg/dm³ density. With different values of viscosity and density data may vary.



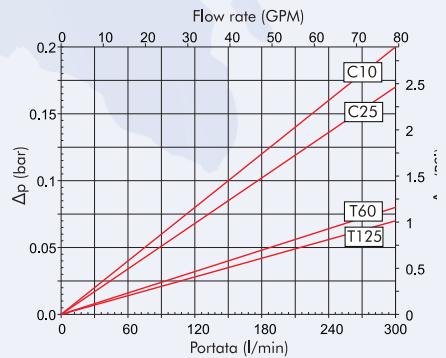
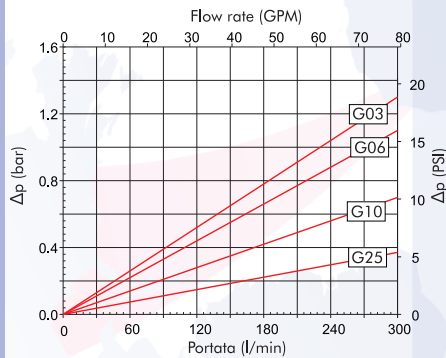
A-1-10-...



A-1-11-...



A-1-20-...



A-1-21-...

