



FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION



FILTREC®
Technical Filtration

serie
FA-1
SUCTION



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

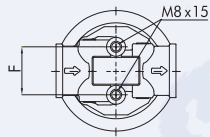
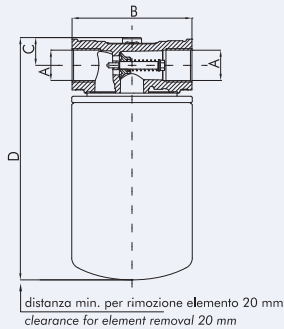
Cellulose 10,25 µm

Wire mesh 60, 125 µm

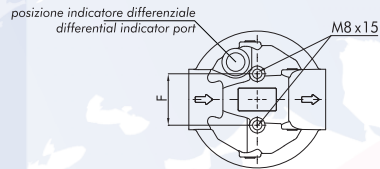
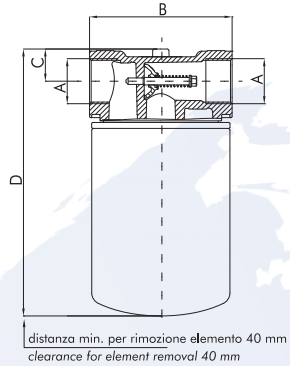
as per ISO 2941: 4 Bar (58 psi)

Informazioni dimensionali - Overall dimensions

FA-1-10/11



FA-1-20/21

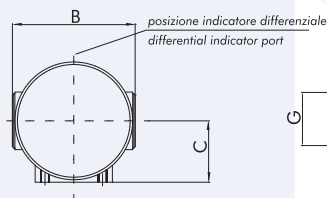
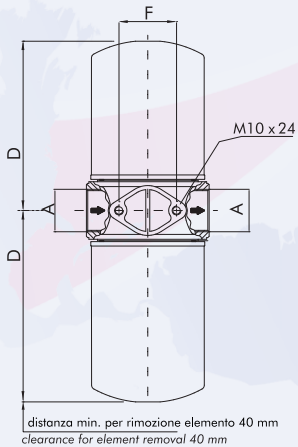


Solo su richiesta (Contattate il nostro ufficio commerciale) - Only on request (Please contact our sales department)

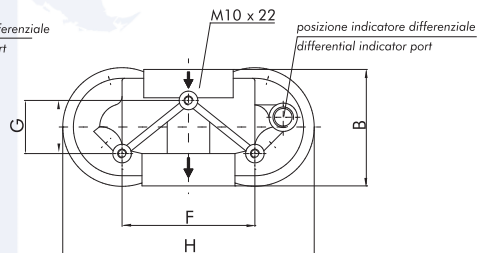
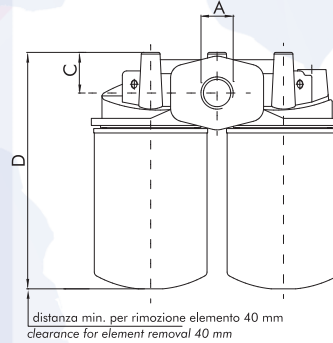
| Connessioni IN/OUT IN/OUT Connection | Connessione cartuccia Filter element connection | Fori di fissaggio Mounting holes |
|---|--|-------------------------------------|
| 1" BSP | 3/4" BSP | M8 |
| 3/4" NPT | 1"-12 UNF | 1/4"-20 UNC |
| 1" NPT | | |
| 1"1/16-12 UNF | | |

| Connessioni 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

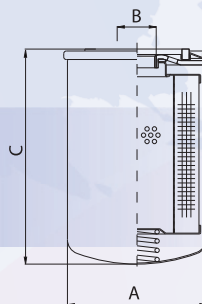


1) Grandezza nominale - Nominal size

| 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 | Connesione - 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 |
| 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) | suction line |
| 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*

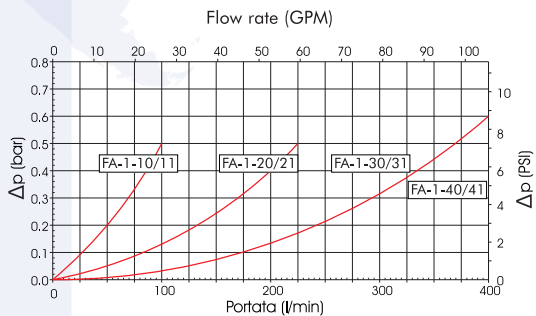
3*

Curve di portata - Pressure drop charts

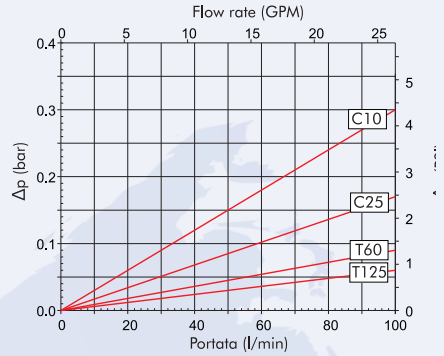
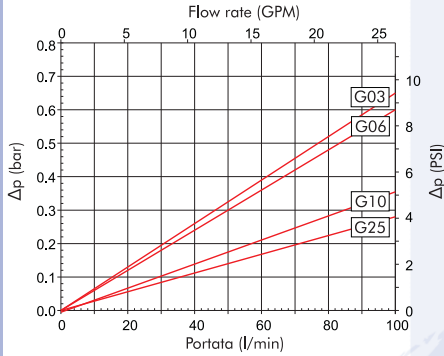
Filtro Housing

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.

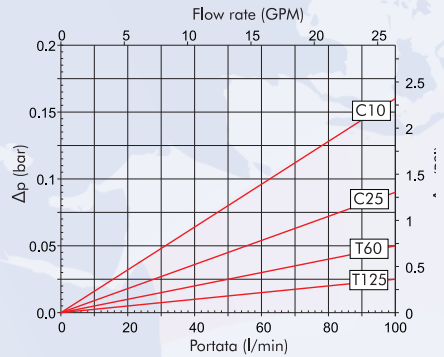
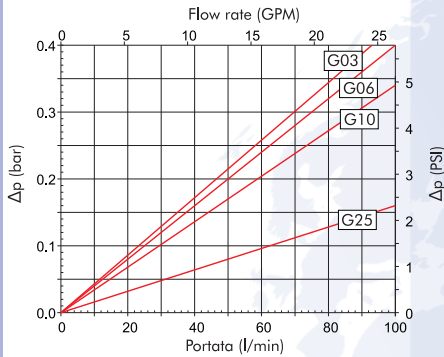
Pressure drop charts (as per ISO 3968 class B) are obtained using mineral oil with 30 cSt viscosity and 0,86 Kg/dm³ density. With different values of viscosity and density data may vary.



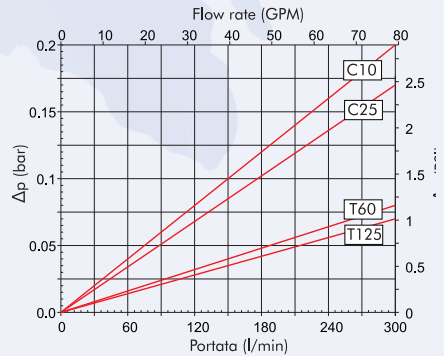
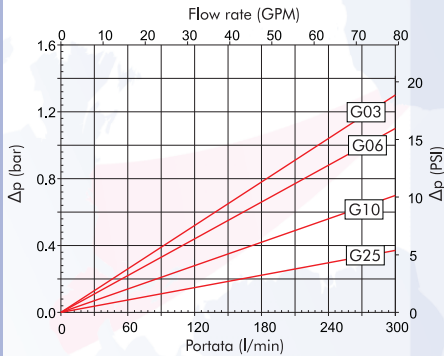
A-1-10-...



A-1-11-...



A-1-20-...



A-1-21-...

