FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION

FILTREC®
Technical Filtration

serie
FR-8

Serie FR-8

Filtri sul ritorno
Return filter

CORPO FILTRO

Descrizione:

Portata massima:
Pressione max di esercizio:
Pressione di prova:
Pressione di scoppio:
Connessioni:
Indicatore intasamento:
Temperatura di esercizio:
Materiali:

Compatibilità con fluidi:

ELEMENTO FILTRANTE

Setto filtrante:

Pressione di collasso:
Valvola by-pass :

Caratteristiche tecniche

Filtri da montare sul serbatoio con cartuccia rigenerabile o a perdere, da impiegare su linee di ritorno.
150 l/min
Secondo NFPA T 3.10.5.1: 8 Bar
Secondo NFPA T 3.10.5.1: 12 Bar
Secondo NFPA T 3.10.5.1: 16 Bar
BSP, NPT, SAE J514b
Visivo ed elettrico
-25°C +100°C
- Coperchio: nylon rinforzato
- Corpo: alluminio
- Contenitore: nylon rinforzato
- Guarnizioni: Buna-N / Viton®

ISO 2943: Filtro compatibile con oli minerali ed alcuni oli sintetici e vegetali. Per altri fluidi contattare FILTREC S.p.A.

Microfibra di vetro 3,6,10,25 µm
Carta 10,25 µm
Tela metallica 60,125 µm

Secondo ISO 2941: 10 Bar
1,7 Bar

FILTER HOUSING

Description:
Max flow rate:
Max working pressure:
Test pressure:
Burst pressure:
Connection Ports:
Indicator:
Working temperature:
Materials:

Fluids compatibility:

FILTER ELEMENT

Filter media:

Collapse pressure:
By-pass:

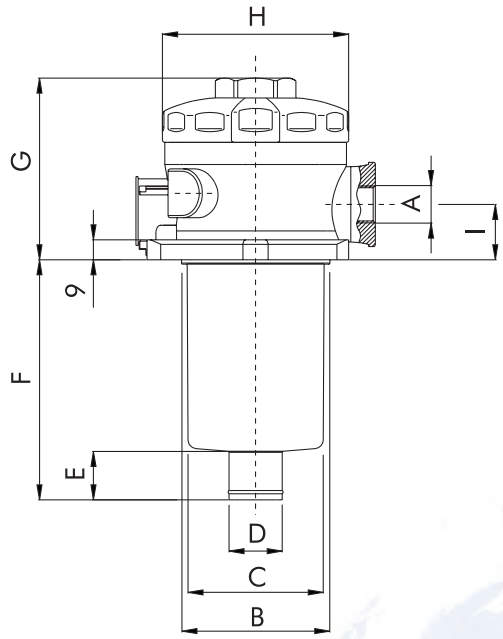
Technical Information

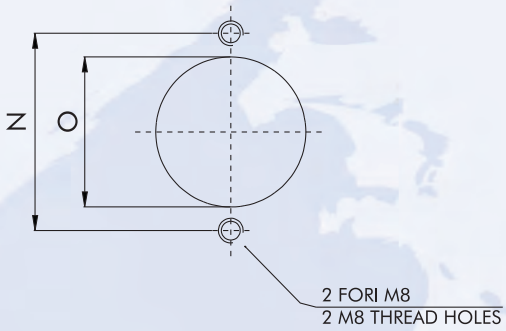
Tank top mounting design return line with reusable or disposable element.
150 l/min (40 gpm)
As per NFPA T 3.10.5.1: 8 Bar (116 psi)
As per NFPA T 3.10.5.1: 12 Bar (174 psi)
As per NFPA T 3.10.5.1: 16 Bar (232 psi)
BSP, NPT, SAE J514b
Visual and electrical.
-25°C +100°C (-13°F +212°F)
- *Cover: nylon*
- *Head: aluminium*
- *Bowl: nylon*
- *Seal: Buna-N / Viton®*

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

Microglass fiber 3,6,10,25 µm
Cellulose 10,25 µm
Wire mesh 60, 125 µm
As per ISO 2941: 10 Bar (145 psi)
Return line 1,7 Bar (24.6 psi)

Informazioni dimensionali - *Overall dimensions*

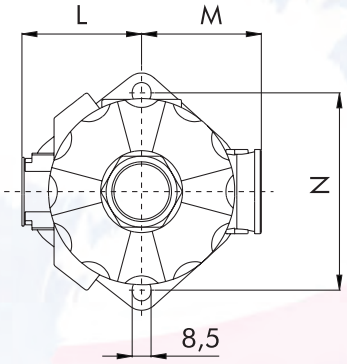


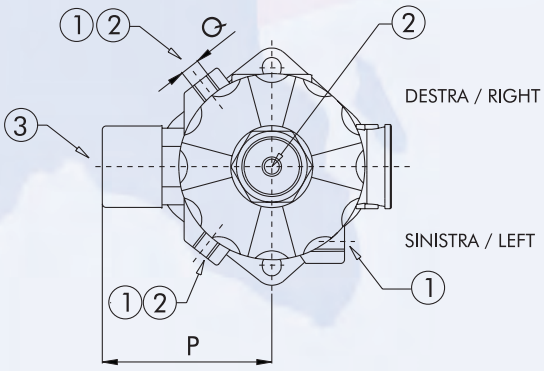


① POSIZIONE INGRESSO SECONDARIO (Q)
SECOND PORT OPTION (Q)

② POSIZIONE INDICATORE
INDICATOR PORT

③ FILTRO SFIATO
AIR BREATHER





1) Grandezza nominale - *Nominal size*

Codice - *Code*	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	Cart. ricambio - *Element*
FR-8-10	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT 9/16"-18 UNF - SAE J514b	67	62	24	23	79	81	84	25	55	54	89 ± 1	68	73	---	R-1-10
FR-8-11	3/4"-16 UNF - SAE J514b 1 1/16"-12 UN-SAE J514b	67	62	24	23	148	81	84	25	55	54	89 ± 1	68	73	---	R-1-11
FR-8-20	1/2" - 3/4"- 1" - 1 1/4" BSP 1/2" - 3/4"- 1"- 1 1/4" NPT 3/4"-16 UNF - SAE J514b	86	80,5	27,5	30	103	107	110	40	67	68	115 ± 1	87	94	3/8" - 1/2" BSP 3/8" - 1/2" NPT	R-1-20
FR-8-22	1 1/16"-12 UN-SAE J514b 1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b	86	80,5	27,5	30	148	107	110	40	67	68	115 ± 1	87	94	9/16"-18 UN - SAE J514b 3/4"-16 UN - SAE J514b	R-1-22
FR-8-30	3/4" - 1"- 1 1/4" BSP 3/4" - 1"- 1 1/4" NPT 1 1/16"-12 UN-SAE J514b 1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b	86	80,5	40	30	229	107	110	40	67	68	115 ± 1	87	94	3/8" - 1/2" BSP 3/8" - 1/2" NPT 9/16"-18 UN - SAE J514b 3/4"-16 UN - SAE J514b	R-1-30

2) Grado di filtrazione - *Filtration ratings*

Codice - *Code*	Materiale - *Media*	Efficienza - *Efficiency*
0	senza cartuccia / *no element*	------
G03	microfibra inorganica / *microglass fiber*	$\beta_6 \geq 1000$
G06	microfibra inorganica / *microglass fiber*	$\beta_6 \geq 1000$
G10	microfibra inorganica / *microglass fiber*	$\beta_{10} \geq 1000$
G25	microfibra inorganica / *microglass fiber*	$\beta_{25} \geq 1000$
C10	carta trattata / *resin impregnated cellulose*	$\beta_{10} \geq 2$
C25	carta trattata / *resin impregnated cellulose*	$\beta_{25} \geq 2$
T60	tela metallica / *wire mesh*	------
T125	tela metallica / *wire mesh*	------

3) Guarnizioni - *Seals*

Codice - *Code*	Tipo - *Type*
---	NBR
V	Viton®

4) Connessioni - *Connection port*

Codice - *Code*	Connessione - *Connection*
B2	3/8″ BSP
B3	1/2″ BSP
B4	3/4″ BSP
B5	1″ BSP
B6	1 1/4″ BSP
N2	3/8″ NPT
N3	1/2" NPT
N4	3/4″ NPT
N5	1″ NPT
N6	1 1/4″ NPT
R2	9/16″ - 18 UNF-2B SAE J514b
R3	3/4″ - 16 UNF-2B SAE J514b
R4	1 1/16″ - 12 UN-2B SAE J514b
R5	1 5/16″ - 12 UN-2B SAE J514b
R6	1 5/8″ - 12 UN-2B SAE J514b

5) Posizione ingressi secondari
Second port position

Codice - *Code*	Posizione - *Position*
0	senza - without
S	sinistra - *left*
D	destra - *right*

6) Ingressi secondari
Second port connection

Codice - *Code*	Connessione - *Connection*
B2	3/8″ BSP
B3	1/2″ BSP
N2	3/8″ NPT
N3	1/2" NPT
R2	9/16″ - 18 UNF-2B SAE J514b
R3	3/4″ - 16 UNF-2B SAE J514b

7) Sfiato aria - *Air Breather*

Codice - *Code*	Micronaggio - *Micron rating*
0	senza / *without*
10	10µm carta trattata *10 µm resin impregnated cellulose*
40	40µm carta trattata *40 µm resin impregnated cellulose*

8) Posizione indicatore
Indicator position

Codice - *Code*	Posizione - *Position*
0	senza / *without*
C	coperchio / *cover*
D	destra / *right*
S	sinistra / *left*

9) Indicatori - *Indicators*

Codice - *Code*	Tipo indicatore - *Indicator type*	Taratura - *Setting*
0	senza / *without*	
R1	manometro scala *pressure gauge indicator scale*	0÷10 Bar *0÷145 psi*
R2	pressostato n.a. taratura *pressure switch O.C.*	1,3 Bar *8,85 psi O.C.*
R3	pressostato n.c. taratura *pressure switch C.C.*	1,3 Bar *18,85 psi C.C.*
R6	pressostato visivo *visual pressure*	1,2 Bar *17,4 Psi*
R7	manovuotometro taratura *pressure vacuum gauge*	-1÷5 Bar *-14,5÷72,5 Psi*

Codici per l'ordinazione - *Ordering information*

Filtro completo
Filter assembly

FR-8

20	C10	B	V	B3	S	B2	40	C	R1
1*	2*		3*	4*	5*	6*	7*	8*	9*

Cartuccia
Filter element

R-1

20	C10	B	V
1*	2*		3*

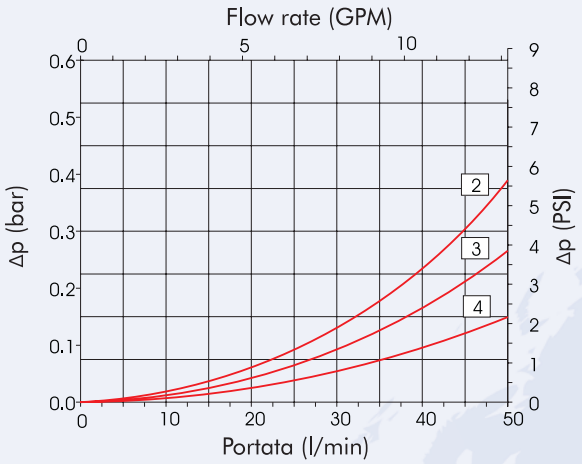
* Viton® è un marchio registrato da DuPont - *Viton® is a registered trademark of DuPont*
Sono possibili variazioni al catalogo senza preavviso - *Catalogue may change without notice*

Curve di portata - *Pressure drop charts*

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.
Il numero relativo alla curva di portata è riferito all'attacco del filtro; es.: 2 indica attacco B2 o N2.

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.
The numbers indicate connection of the filters: i.e. 2 means B2 or N2 connections.

FR-8-10 / 11



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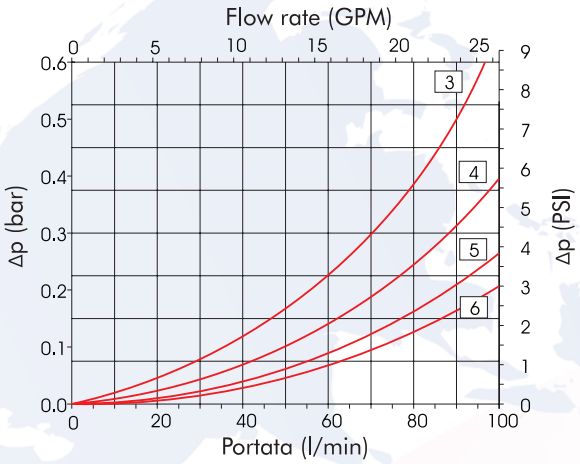

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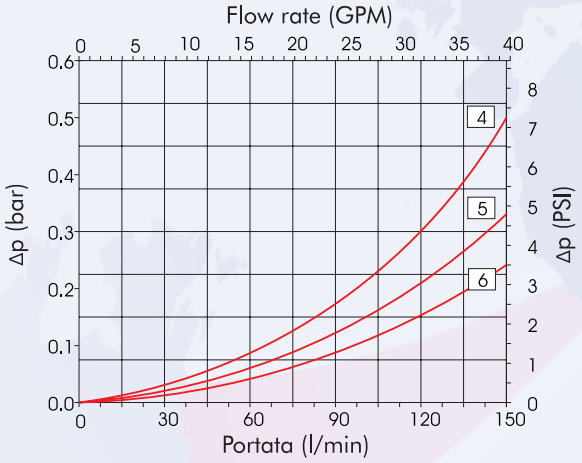
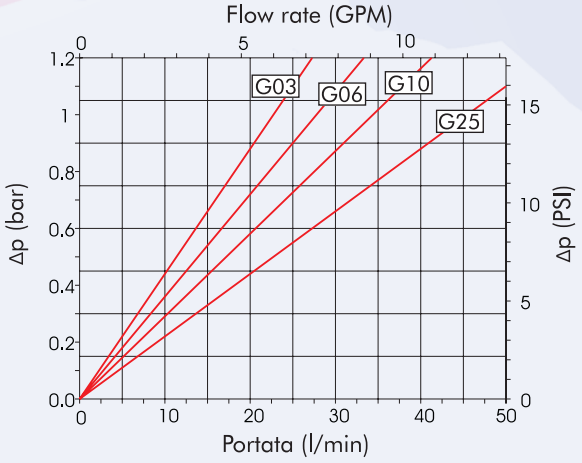
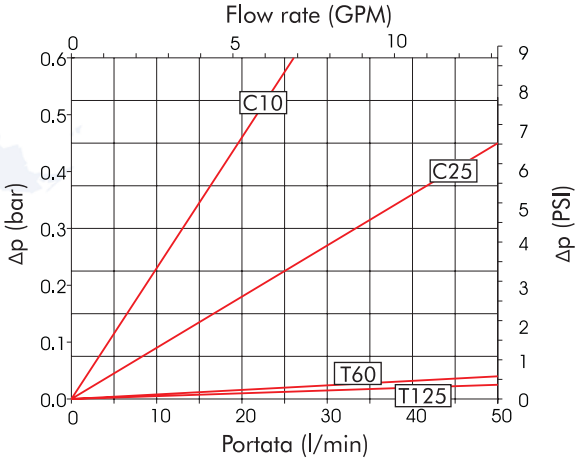
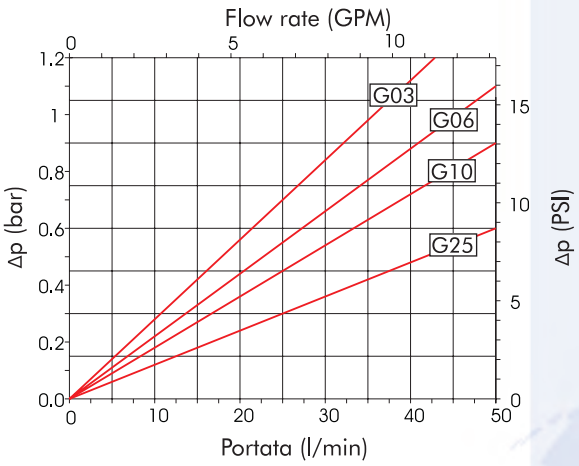


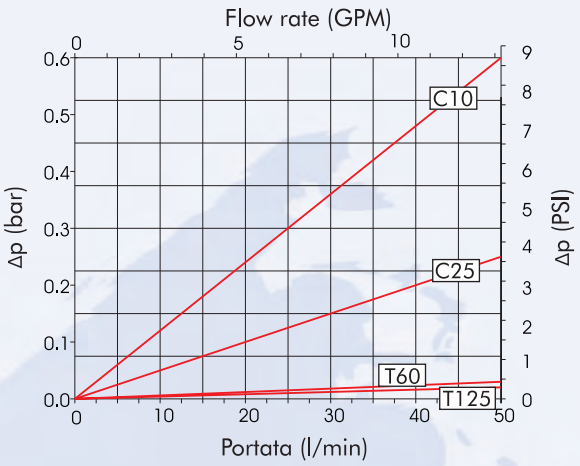
R-1-10





R-1-11





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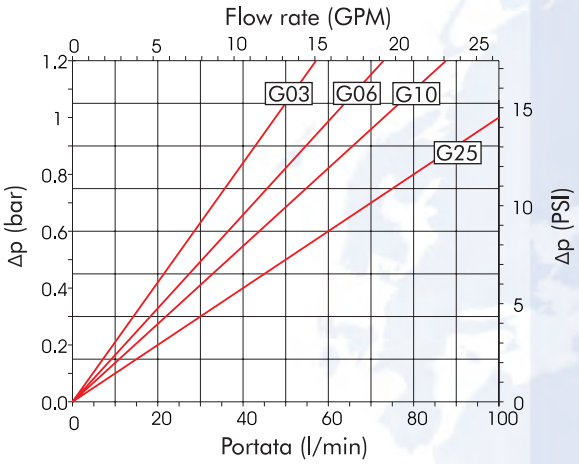
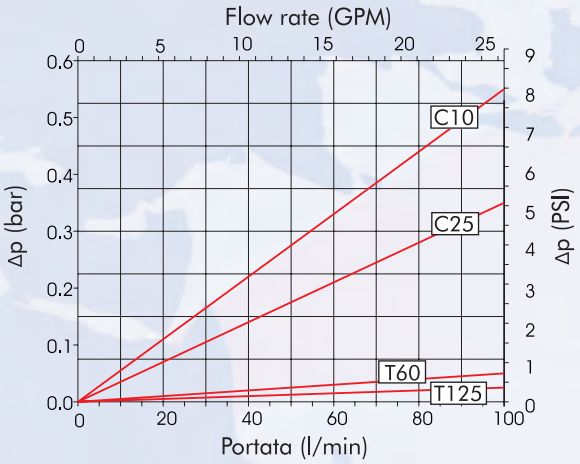
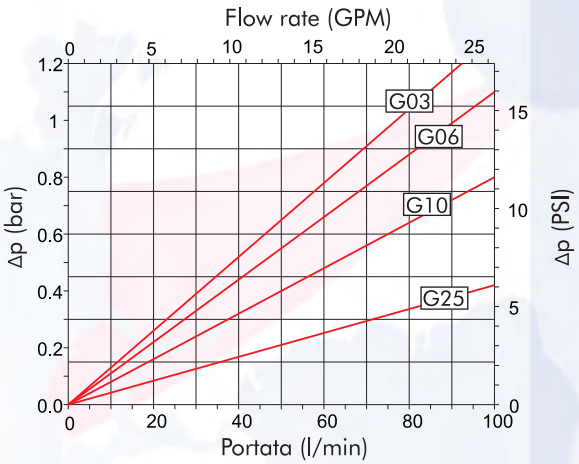
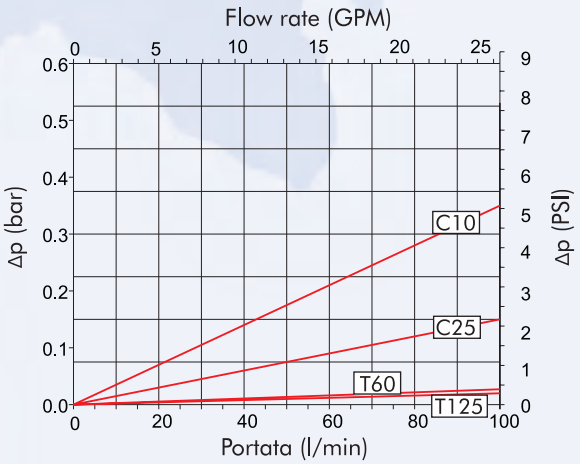




R-1-22





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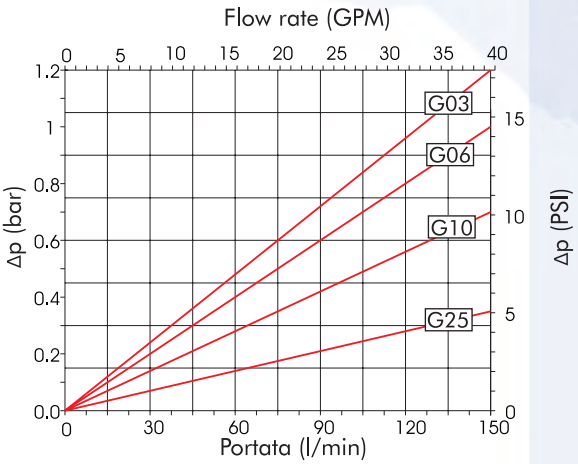

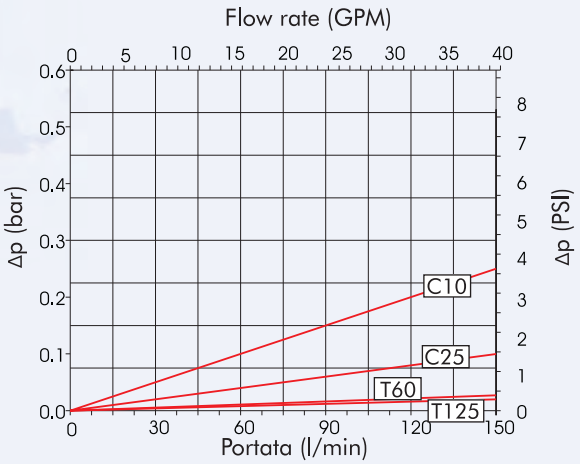

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