FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION

FILTREC®
Technical Filtration

serie
FCR-7

Serie FCR-7

Filtri sul ritorno
Return filter

CORPO FILTRO

Descrizione: Filtri da montare sul serbatoio con cartuccia rigenerabile o a perdere, da impiegare su linee di ritorno.

Portata massima: 600 l/min

Pressione max di esercizio: Secondo NFPA T 3.10.5.1: 8 Bar

Pressione di prova: Secondo NFPA T 3.10.5.1: 12 Bar

Pressione di scoppio: Secondo NFPA T 3.10.5.1: 16 Bar

Connessioni: BSP, NPT, SAE J514b, SAE J518

Indicatore intasamento: Visivo ed elettrico

Valvola by-pass : 0,8 - 1,7 Bar

Temperatura di esercizio: -25°C +100°C

Materiali:
- Coperchio: nylon rinforzato - alluminio
- Corpo: alluminio
- Contenitore: acciaio
- Guarnizioni: Buna-N / Viton®

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

ELEMENTO FILTRANTE

Setto filtrante: Microfibra di vetro 3,6,10,25 µm
Carta 10,25 µm
Tela metallica 10, 25, 40, 60, 100, 120 µm

Pressione di collasso: Secondo ISO 2941: 10 Bar

Caratteristiche tecniche

Technical Information

FILTER HOUSING

Description: *Tank top mounting design return line with reusable or disposable element.*

Max flow rate: *600 l/min (158 gpm)*

Max working pressure: *As per NFPA T 3.10.5.1: 8 Bar (116 psi)*

Test pressure: *As per NFPA T 3.10.5.1: 12 Bar (174 psi)*

Burst pressure: *As per NFPA T 3.10.5.1: 16 Bar (232 psi)*

Connection Ports: *BSP, NPT, SAE J514b, SAE J518*

Indicator: *Visual and electrical.*

Working temperature: *-25°C +100°C (-13°F +212°F)*

By-pass setting: *0,8 or 1,7 Bar (11.6 or 24.6 psi)*

Materials:
- *Cover: nylon - aluminium*
- *Head: aluminium*
- *Bowl: carbon steel*
- *Seal: Buna-N / Viton®*

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

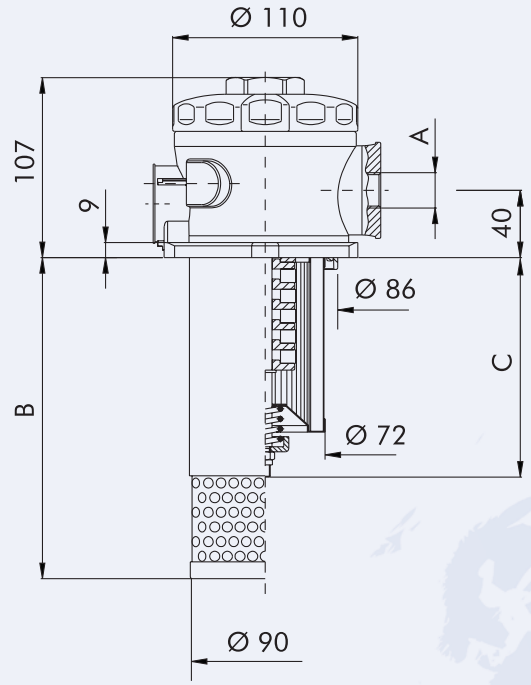
FILTER ELEMENT

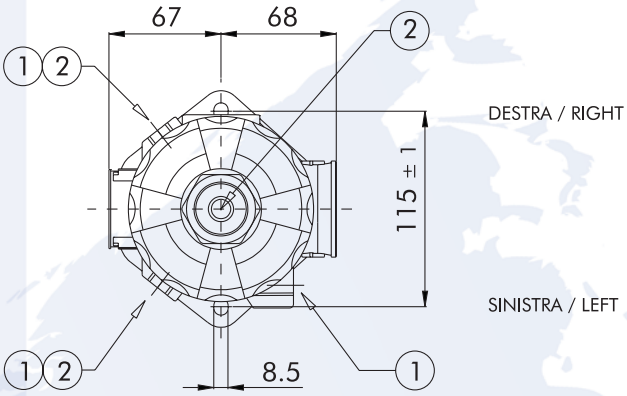
Filter media: *Microglass fiber 3,6,10,25 µm*
Cellulose 10,25 µm
Wire mesh 60, 125 µm

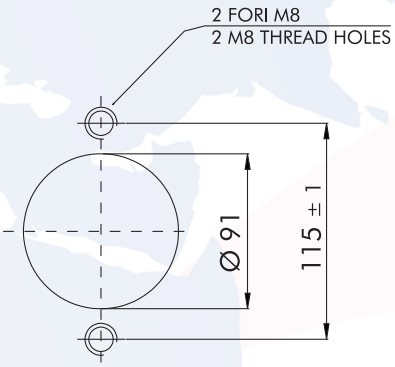
Collapse pressure: *As per ISO 2941: 10 Bar (145 psi)*

Informazioni dimensionali - *Overall dimensions*

FCR-7-11 / 12 / 13 / 14





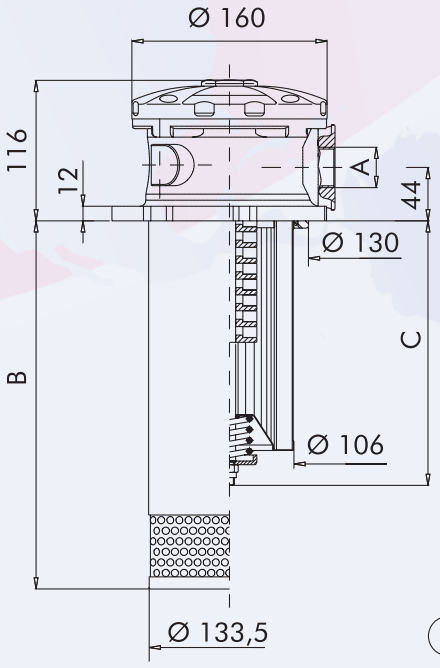


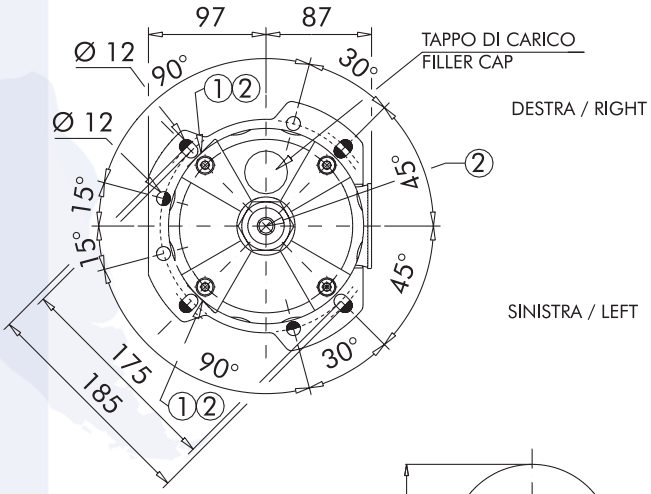
FORATURA SERBATOIO
TANK HOLE DIMENSIONS

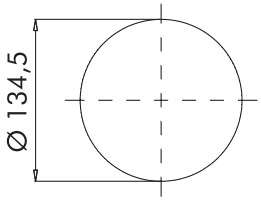
(1) POSIZIONE INGRESSO SECONDARIO (D)
SECOND PORT OPTION (D)

(2) POSIZIONE INDICATORE
INDICATOR PORT

FCR-7-20 / 21 / 22





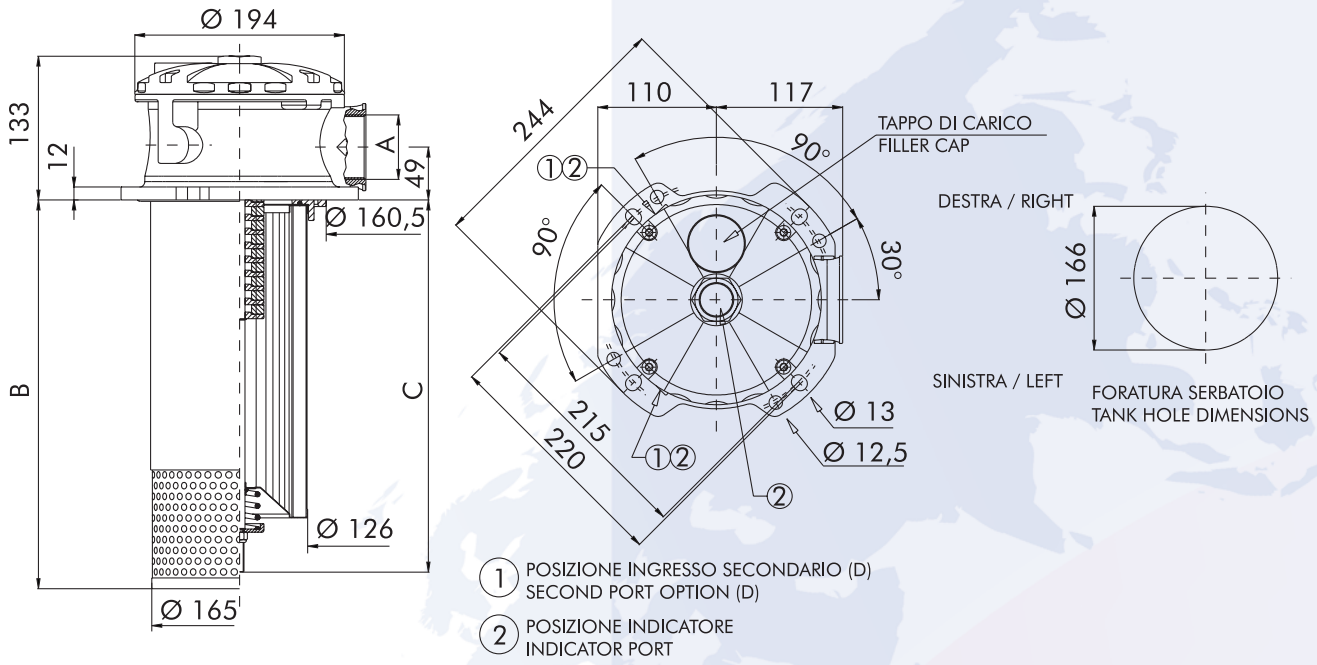


FORATURA SERBATOIO
TANK HOLE DIMENSIONS

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

(2) POSIZIONE INDICATORE
INDICATOR PORT

FCR-7-30 / 31 / 32 / 33



1) Grandezza nominale - *Nominal size*

Codice - *Code*	A	B	C	D	Cart. ricambio - *Element*
FCR-7-11	1/2" - 3/4" - 1" - 1"1/4 BSP 1/2" - 3/4" - 1" - 1"1/4 NPT 3/4"-16 UNF - SAE J514b 1 1/16"-12 UN-SAE J514b 1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b	195	133	3/8" - 1/2" BSP 3/8" - 1/2" NPT 9/16"-18 UN-SAE J514b 3/4"-16 UN - SAE J514b	R-7-11
FCR-7-12		195	178		R-7-12
FCR-7-13		345	228		R-7-13
FCR-7-14		345	328		R-7-14
FCR-7-20	1" - 1 1/4" - 1 1/2" BSP 1" - 1 1/4" - 1 1/2" NPT 1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b 1 7/8"-12 UN-SAE J514b 1 1/4" SAE J518 - 3000 1 1/2" SAE J518 - 3000	310	233	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT 9/16"-18 UN-SAE J514b 3/4"-16 UN - SAE J514b 1 1/16"-12 UN-SAE J514b	R-7-20
FCR-7-21		310	303		R-7-21
FCR-7-22		515	508		R-7-22
FCR-7-30	1 1/2" - 2" BSP 1 1/2" - 2" NPT 1 7/8"-12 UN-SAE J514b 2 1/2"-12 UN-SAE J514b 1 1/2" SAE J518 - 3000 2" SAE J518 - 3000	360	265	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT 9/16"-18 UN-SAE J514b 3/4"-16 UN - SAE J514b 1 1/16"-12 UN-SAE J514b	R-7-30
FCR-7-31		360	345		R-7-31
FCR-7-32		550	535		R-7-32
FCR-7-33		550	445		R-7-33

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*	$\beta_{10} \geq 1000$
G10	microfibra inorganica / *microglass fiber*	$\beta_{25} \geq 1000$
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*	$\beta_{25} \geq 2$
T10	tela metallica / *wire mesh*	------
T25	tela metallica / *wire mesh*	------
T40	tela metallica / *wire mesh*	------
T60	tela metallica / *wire mesh*	------
T100	tela metallica / *wire mesh*	------
T120	tela metallica / *wire mesh*	------

3) Guarnizioni - *Seals*

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

4) Connessioni - *Connection port*

Codice - *Code*	Connessione - *Connection*
B3	1/2" BSP
B4	3/4" BSP
B5	1" BSP
B6	1 1/4" BSP
B7	1 1/2" BSP
B8	2" BSP
F6M	1 1/4" SAE J518 - 3000/M
F7M	1 1/2" SAE J518 - 3000/M
F8M	2" SAE J518 - 3000/M
F6U	1 1/4" SAE J518 - 3000/UNC
F7U	1 1/2" SAE J518 - 3000/UNC
F8U	2" SAE J518 - 3000/UNC
N3	1/2" NPT
N4	3/4" NPT
N5	1" NPT
N6	1 1/4" NPT
N7	1 1/2" NPT
N8	2" NPT
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
R7	1 7/8" - 12 UN-2B SAE J514b
R8	2 1/2" - 12 UN-2B SAE J514b

Contattare ufficio commerciale
Contact sales department

5) Posizione ingressi secondari
Second port position

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

6) Ingressi secondari
Second connection port

Codice - Code	Connessione - Connection
B2	3/8" BSP
B3	1/2" BSP
B4	3/4" BSP
N2	3/8" NPT
N3	1/2" NPT
N4	3/4" 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

7) Taratura by-pass - *By-pass setting*

Codice - Code	Taratura - Setting
V08	Taratura 0,8 Bar *Setting 0.8 Bar (11.6 psi)*
V17	Taratura 1,7 Bar *Setting 1,7 Bar (24.6 psi)*

8) Colonna magnetica - *Magnets*

Codice - Code	Colonna magnetica - Magnets
0	senza / *without*
M	con / *with*

9) Diffusore - *Diffuser*

Codice - Code	Diffusore - Diffuser
0	senza / *without*
S	con / *with*

10) Tappo di carico - *Filler cap*

Codice - Code	Tappo di carico - Filler cap
0	senza / *without*
T	con / *with*

Non disponibile per serie FCR-7-11-..-14
Not available for FCR-7-11-..-14

11) Posizione indicatore
Indicator position

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

12) 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.*
R7*	manovuotometro taratura *pressure vacuum gauge*	-1÷5 Bar *-14,5÷72,5 Psi*

* Solo per valvola taratura 1,7 Bar
** Only for valve 24,65 psi*

Codici per l'ordinazione - *Ordering information*

Filtro completo
Filter assembly

FCR-7

20	C10	V	B3	D	B3	V17	M	S	T	C	R1
1*	2*	3*	4*	5*	6*	7*	8*	9*	10*	11*	12*

Cartuccia
Filter element

R-7

20	C10	V
1*	2*	3*

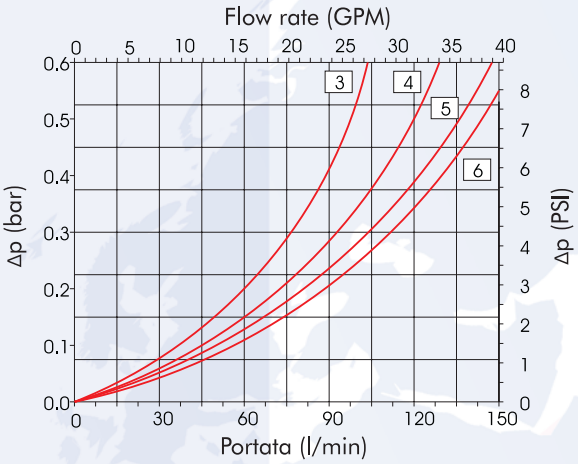
* Viton® è un marchio registrato da DuPont - *Viton® is a registered trademark of DuPont*
Sono possibili variazioni al catalogo senza preavviso - *Catalogue may change without notice*

Curve di portata - *Pressure drop charts*

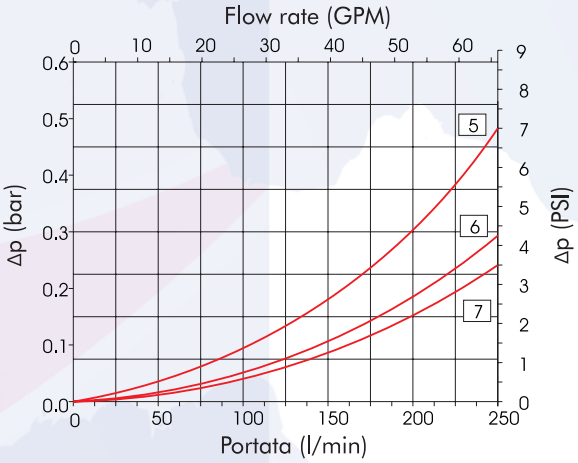
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³.
Per viscosità e densità diverse i dati variano.
Il numero relativo alla curva di portata è riferito all'attacco del filtro; es.: 3 indica attacco B3 o N3.

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. 3 means B3 or N3 connections.

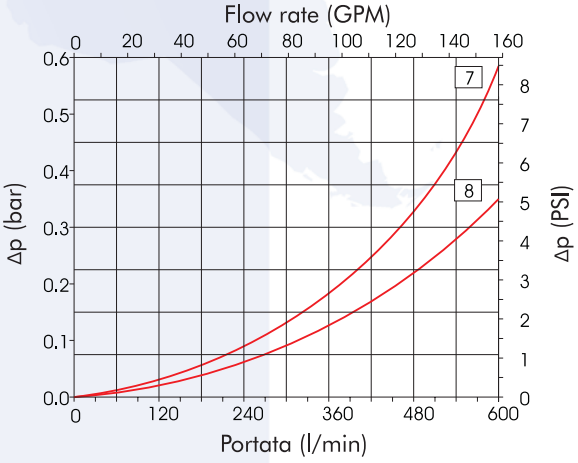
FCR-7-11 / 12 / 13 / 14



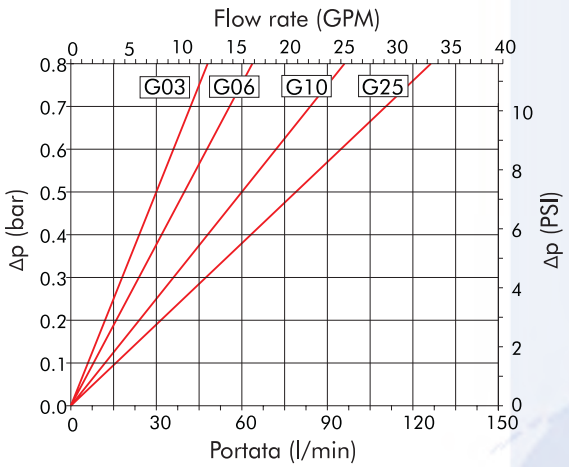
FCR-7-20 / 21 / 22

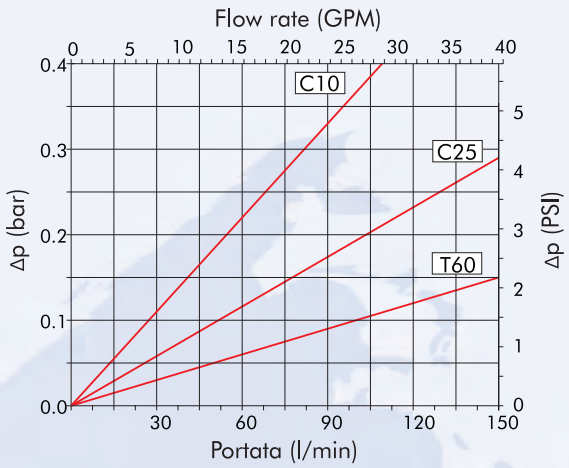


FCR-7-30 / 31 / 32 / 33

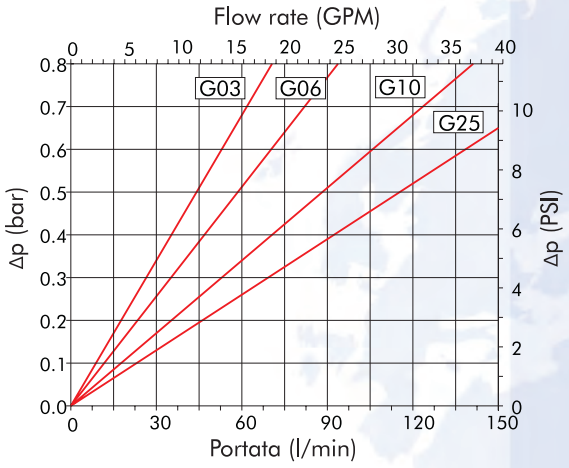


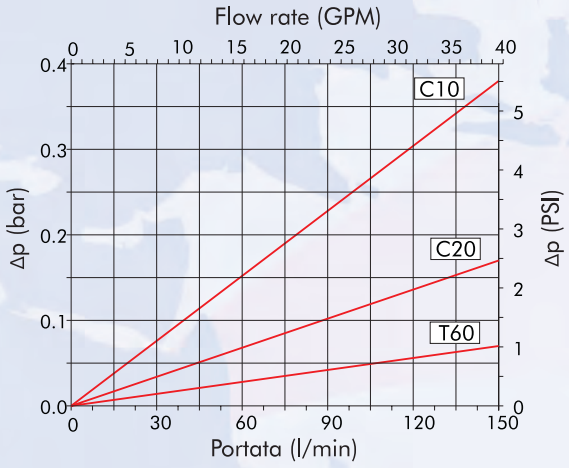
R-7-11



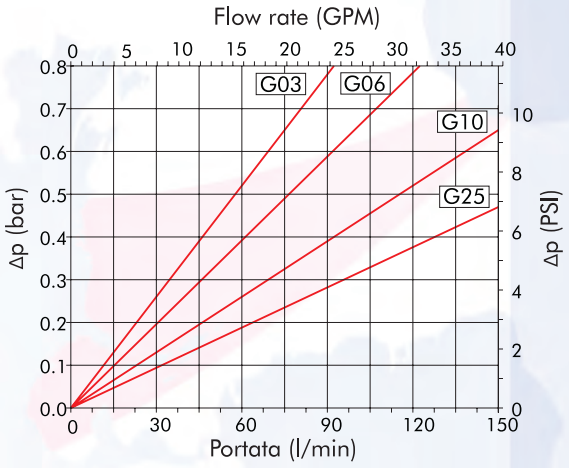


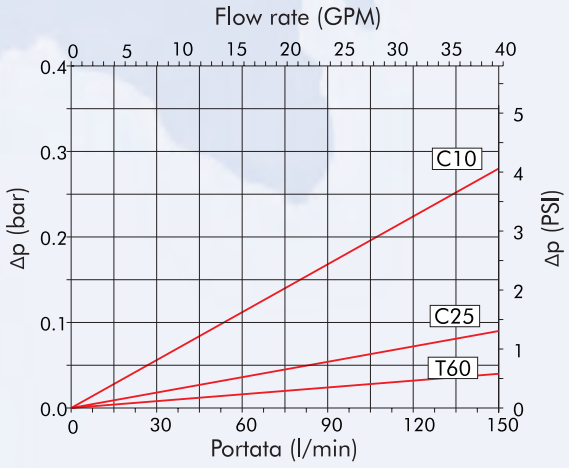
R-7-12



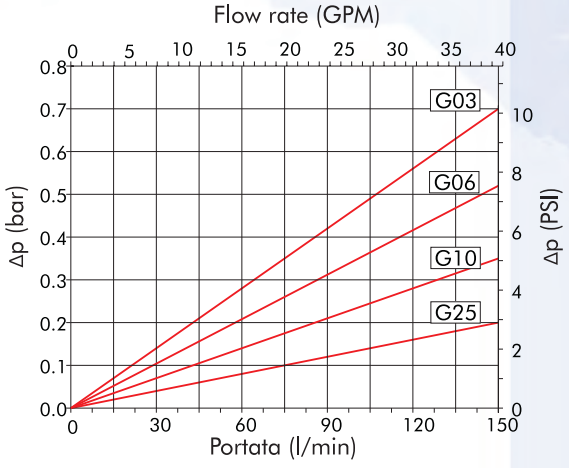


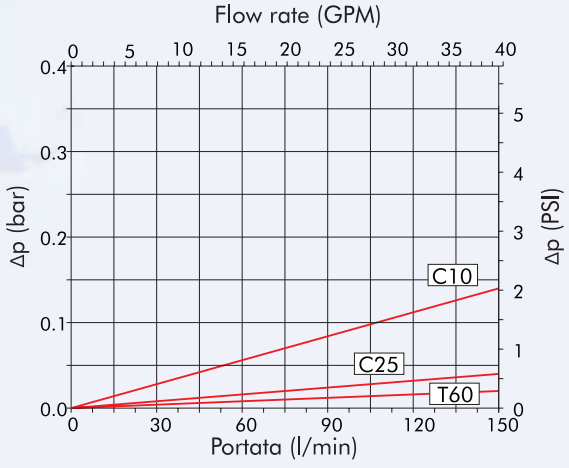
R-7-13



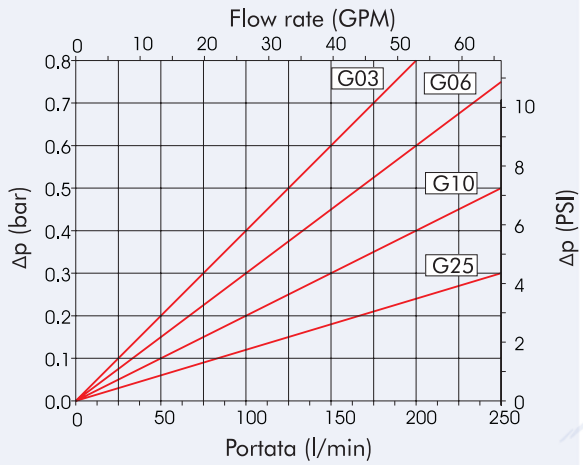


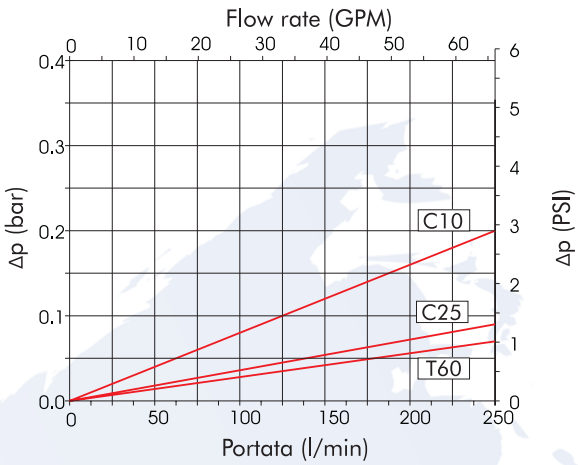
R-7-14



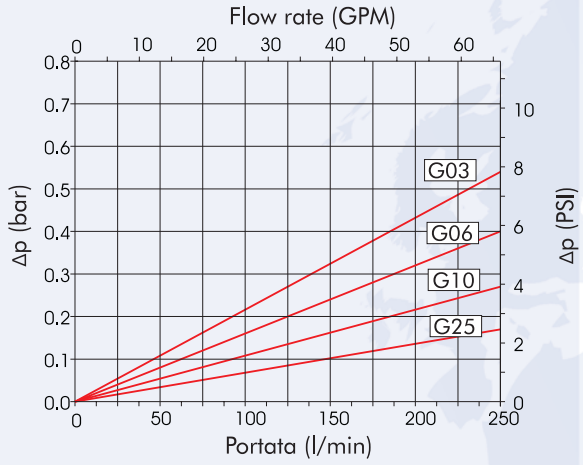


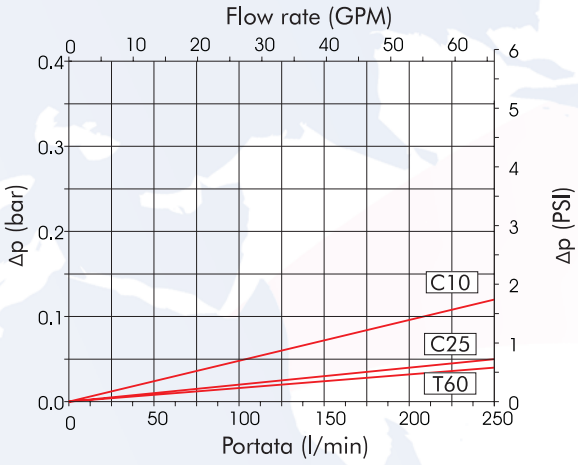
R-7-20



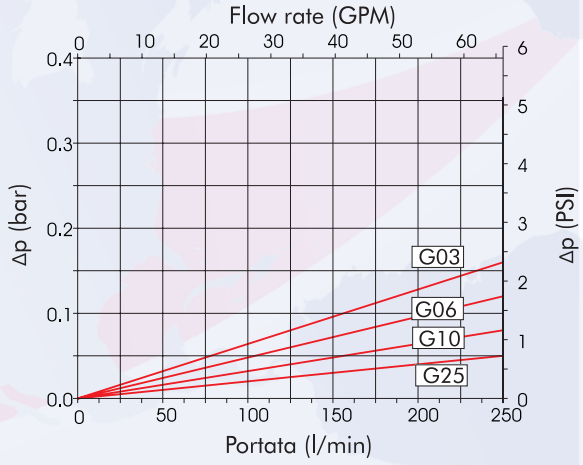


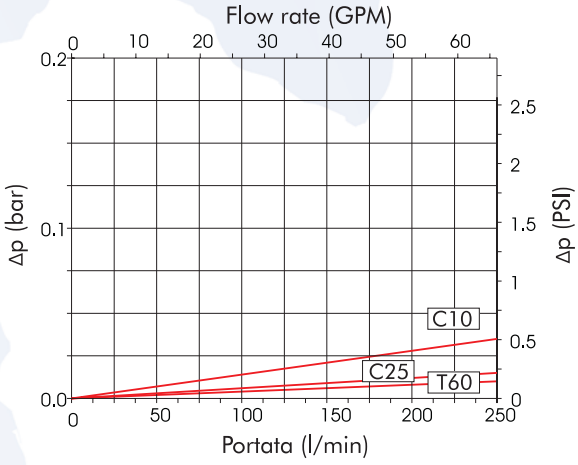
R-7-21



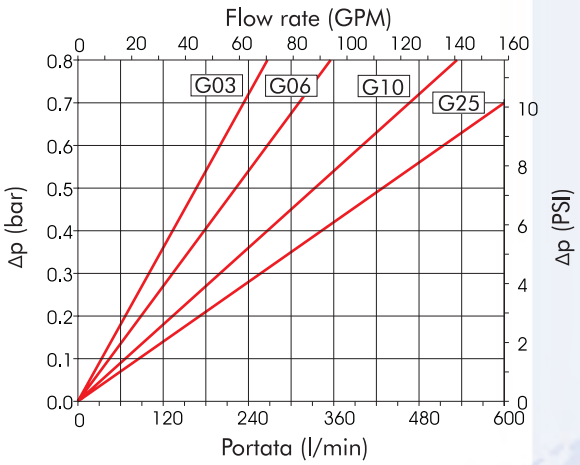


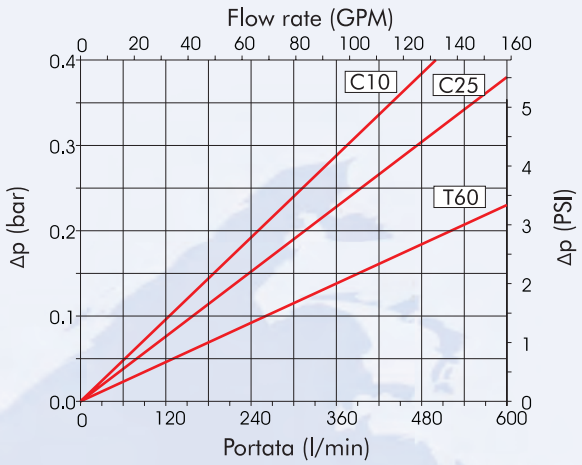
R-7-22



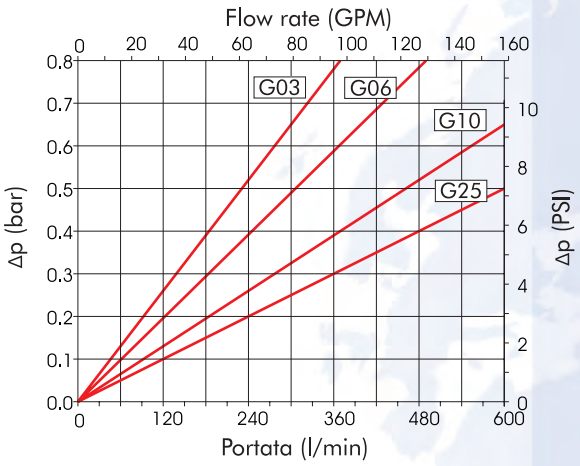


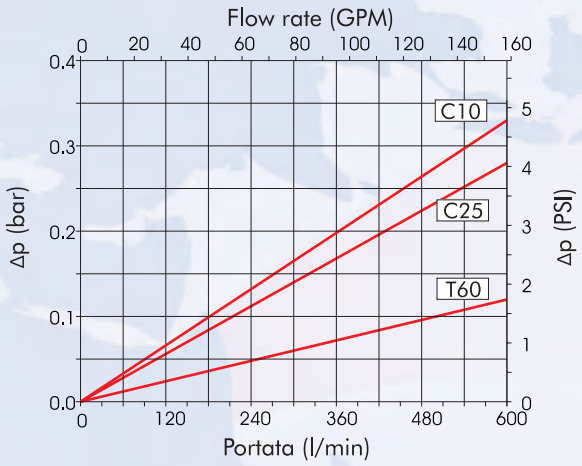
R-7-30



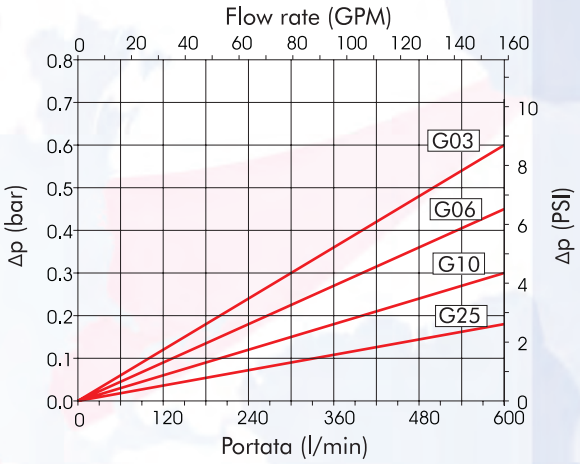


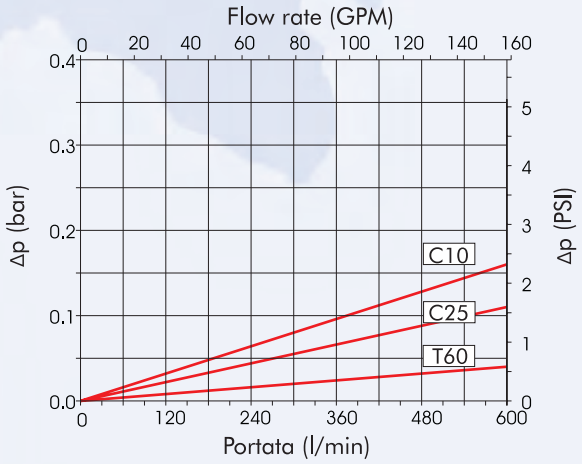
R-7-31



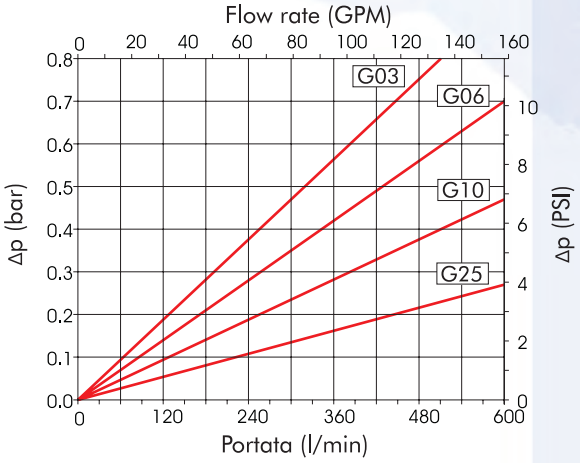


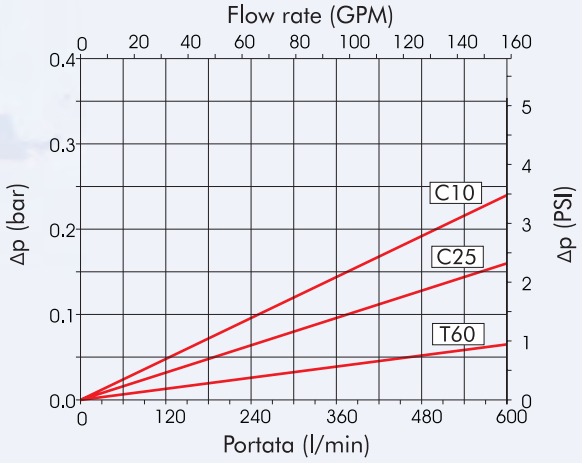
R-7-32





R-7-33





FILTREC S.p.A.
HEAD OFFICE - OVERSEAS OPERATIONS

25046 Cazzago San Martino (BS) Italy - Via E. Mattei, 28/30
Phone +39 030.7241039 - Fax +39 030.7240436
E-mail: info@filtrec.it - Web site: www.filtrec.com

FILTREC IBÉRICA S.L.
IN SPAIN, ANDORRA, PORTUGAL AND MOROCCO

Ctra. Sabadell a Mollet, km. 5 nave 14
08130 Sta. Perpétua de la Mogoda - (Barcelona) España
Phone +34 93 560 63 11 - Fax +34 93 560 38 62
E-mail: info@filtrec.es - Web site: www.filtrec.es

FILTREC ASIA PACIFIC Ltd.
IN AUSTRALIA - ASIA PACIFIC

Unit 4 /29 Business Park Drive, Notting Hill, Victoria, 3168
Phone +61 3 9263 4500 - Fax +61 3 9263 4599
E-mail: info@filtrec.com.au - Web site: www.filtrec.com.au

FILTREC MIDDLE EAST FZC
IN MIDDLE EAST

P.O. Box 50047 - Ras Al Khaimah
United Arab Emirates
Phone: +971 7 2660 488 - Fax: +971 7 2660 499
E-mail: info@filtrec.ae - Web site: www.filtrec.ae

www.filtrec.com

CT09-rev.02-03/10