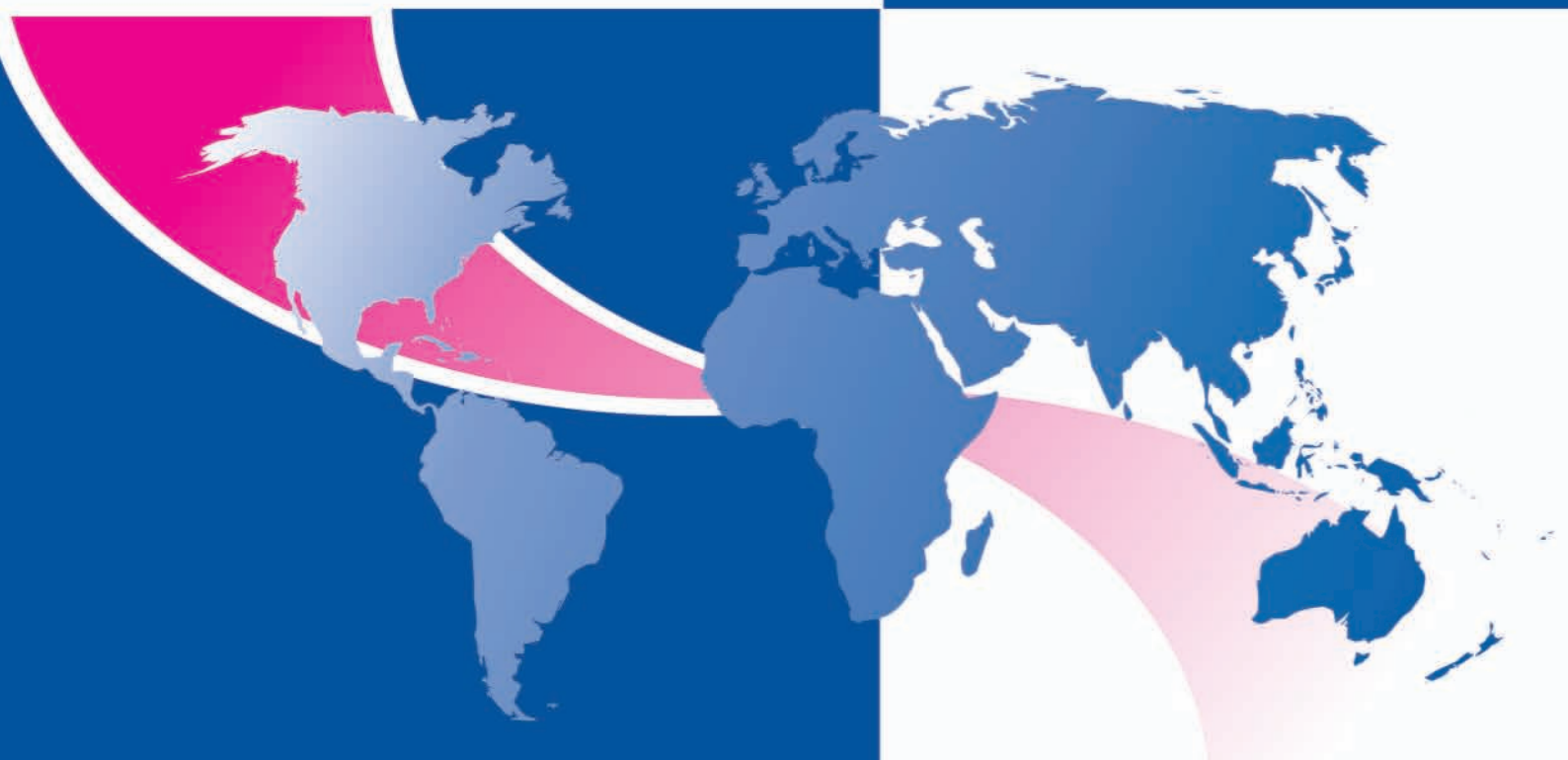


   
FILTRAZIONE IDRAULICA  
HYDRAULIC FILTRATION



**FILTREC**<sup>®</sup>  
Technical Filtration

serie  
**FCR-7**





# Serie FCR-7

## Filtri sul ritorno Return filter



### CORPO FILTRO

**Descrizione:****Portata massima:****Conessioni:****Indicatore intasamento:****Valvola by-pass :****Temperatura di esercizio:****Materiali:****Compatibilità con fluidi:**

### Caratteristiche tecniche

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

600 lt/min

BSP, NPT, SAE J514b, SAE J518

Visivo ed elettrico

0,8 - 1,7 Bar

-25°C +100°C

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

ISO 2943: F 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  $\mu$

Carta 10,25  $\mu$

Tela metallica 10, 25, 40, 60, 100, 120  $\mu$

**Pressione di collasso:**

Secondo ISO 2941: 10 Bar



### FILTER HEAD

**Description:****Max flow rate:****Connection Ports:****Indicator:****Working temperature:****By-pass setting:****Materials:****Fluids compatibility:**

### Technical Information

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

600 lt/min (158 gpm)

BSP, NPT, SAE J514b, SAE J518

Visual and electrical.

-25°C +100°C (-13°F +212°F)

0,8 or 1,7 Bar (11.6 or 24.6 psi)

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

ISO 2943: Filters are compatible with most mineral oils and some synthetic-vegetable oils. For other fluids applications, please contact Filtrec S.p.A.

### FILTER ELEMENT

**Filter media:**

Microglass fiber 3,6,10,25  $\mu$

Cellulose 10,25  $\mu$

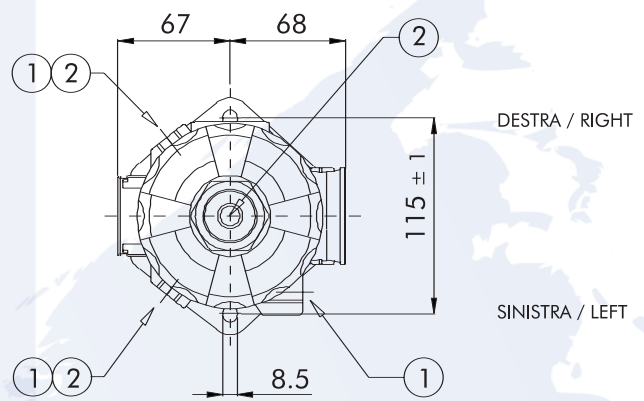
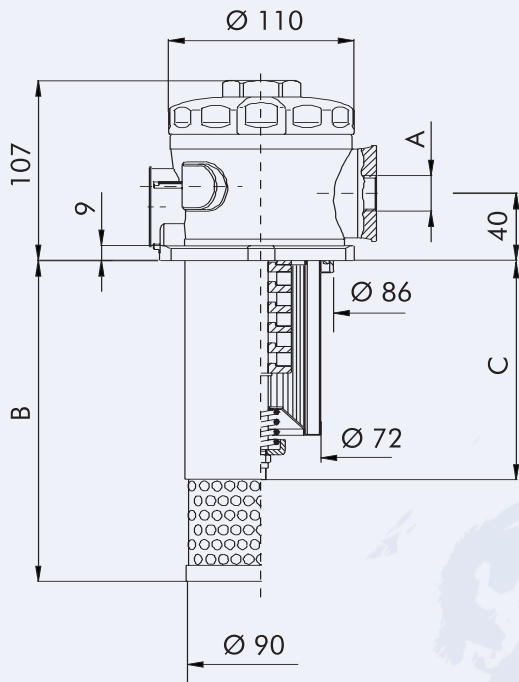
Wire mesh 60, 125  $\mu$

**Collapse pressure:**

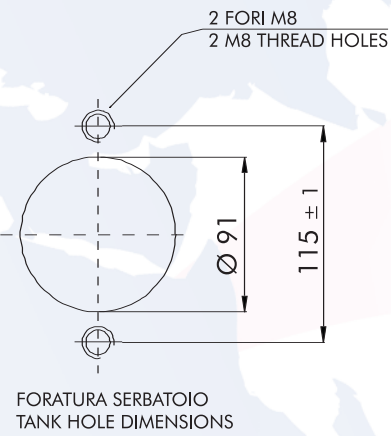
As per ISO 2941: 10 Bar (145 psi)

## Informazioni dimensionali - Overall dimensions

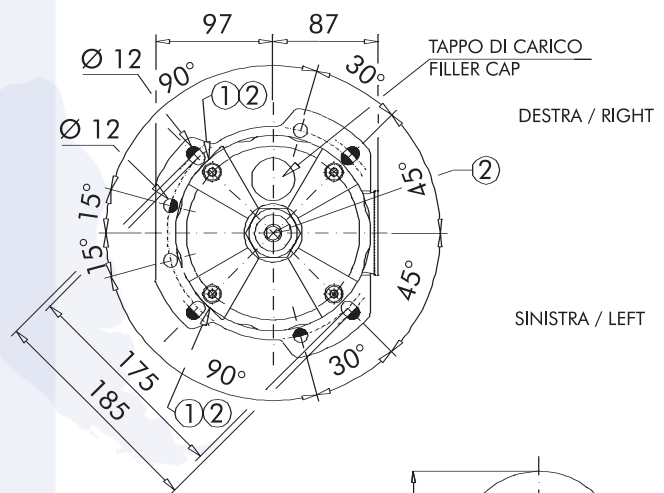
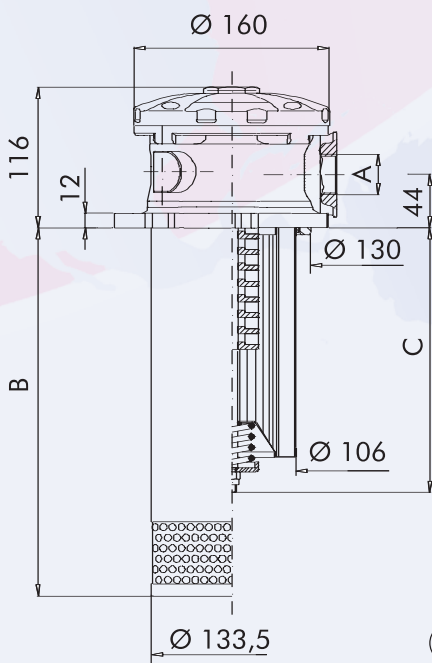
### FCR-7-11 / 12 / 13 / 14



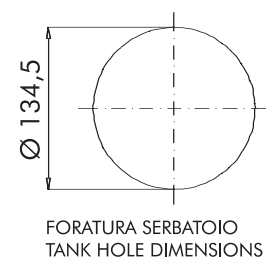
- ① POSIZIONE INGRESSO SECONDARIO (D)  
SECOND PORT OPTION (D)
- ② POSIZIONE INDICATORE  
INDICATOR PORT



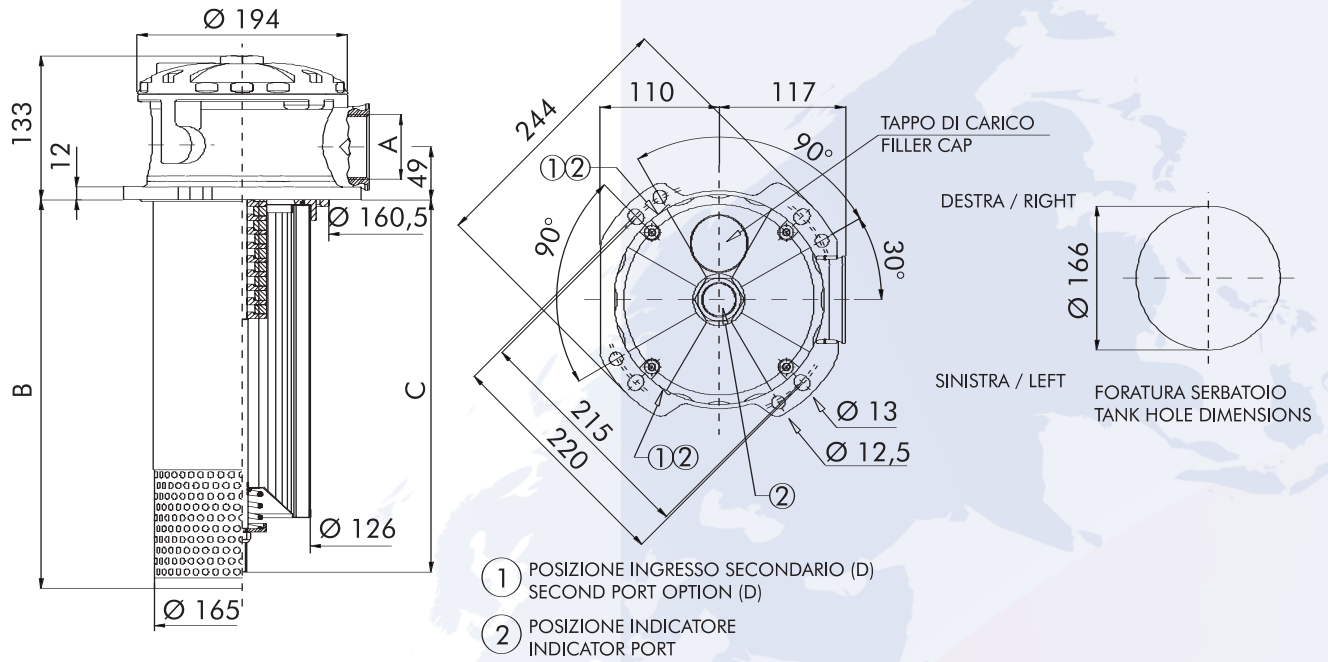
### FCR-7-20 / 21 / 22



- 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	195	133		R-7-11
FCR-7-12	1/2" - 3/4" - 1" - 1 1/4" NPT 3/4"-16 UNF - SAE J514b	195	178	3/8" - 1/2" BSP 3/8" - 1/2" NPT	R-7-12
FCR-7-13	1 1/16"-12 UN-SAE J514b 1 5/16"-12 UN-SAE J514b	345	228	9/16"-18 UN-SAE J514b 3/4"-16 UN - SAE J514b	R-7-13
FCR-7-14	1 5/8"-12 UN-SAE J514b	345	328		R-7-14
FCR-7-20	1" - 1 1/4" - 1 1/2" BSP 1" - 1 1/4" - 1 1/2" NPT	310	233	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT	R-7-20
FCR-7-21	1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b 1 7/8"-12 UN-SAE J514b	310	303	9/16"-18 UN-SAE J514b 3/4"-16 UN - SAE J514b	R-7-21
FCR-7-22	1 1/4" SAE J518 - 3000 1 1/2" SAE J518 - 3000	515	508	1 1/16"-12 UN-SAE J514b	R-7-22
FCR-7-30		360	265		R-7-30
FCR-7-31	1 1/2" - 2" BSP 1 1/2" - 2" NPT	360	345	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT	R-7-31
FCR-7-32	1 7/8"-12 UN-SAE J514b 2 1/2"-12 UN-SAE J514b	550	535	9/16"-18 UN-SAE J514b 3/4"-16 UN - SAE J514b	R-7-32
FCR-7-33	1 1/2" SAE J518 - 3000 2" SAE J518 - 3000	550	445	1 1/16"-12 UN-SAE J514b	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) Conessioni - 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 - Indicator

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**

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

Cartuccia  
Filter elements

**R-7**

<b>20</b>	<b>C10</b>	<b>V</b>
1*	2*	3*

## Curve di portata - Pressure drop charts

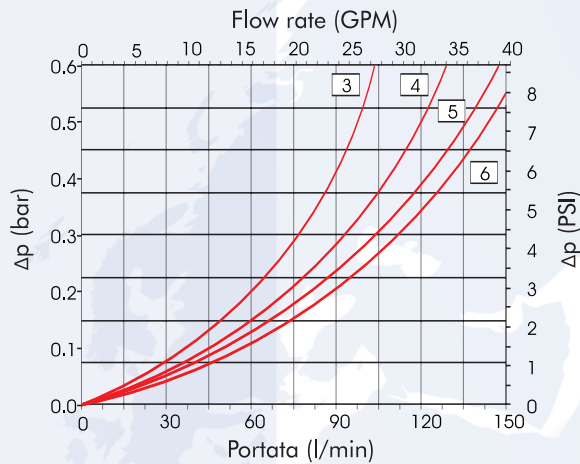
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm<sup>3</sup>.

Per viscosità e densità diverse i dati variano, in prima approssimazione proporzionalmente.

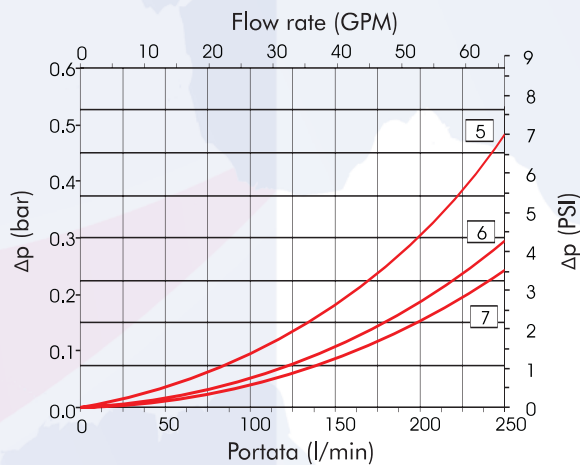
Il numero relativo alla curva di portata è riferito all'attacco del filtro; es.: 3 indica attacco B3 o N3.

*Pressure drop charts as per ISO 3968 class B. 30 Cst viscosity mineral oil  
The numbers indicate connection of the filters: i.e. 3 means B3 or N3 connections.*

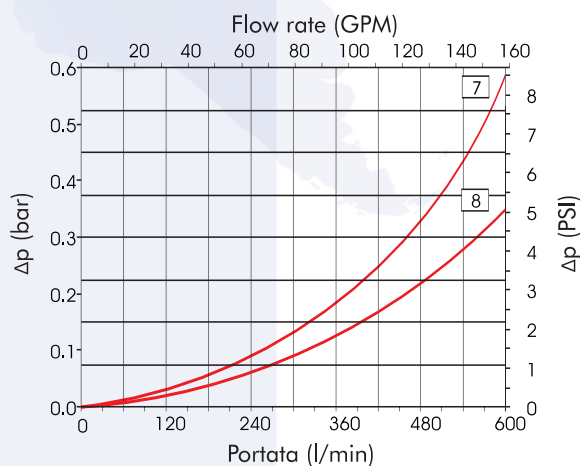
FCR-7-11 / 12 / 13 / 14



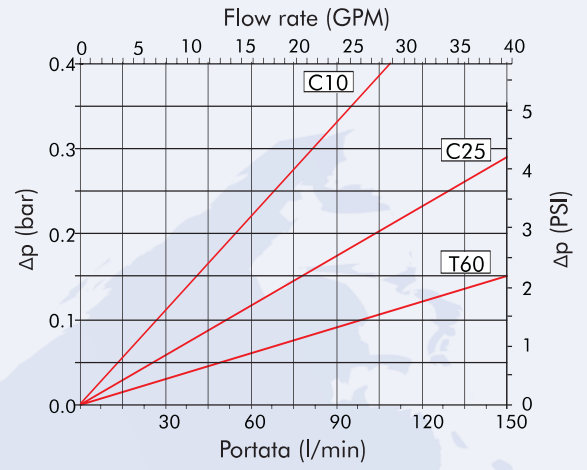
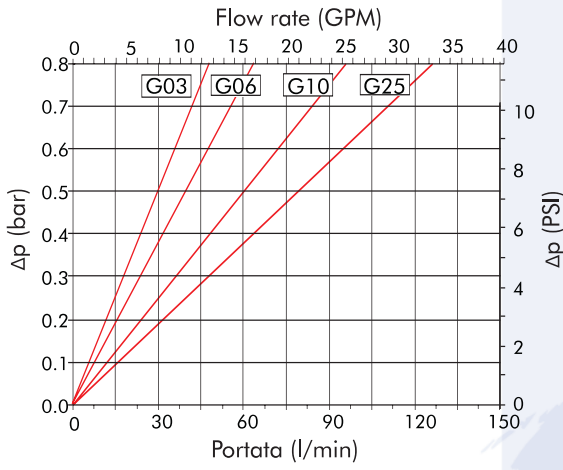
FCR-7-20 / 21 / 22



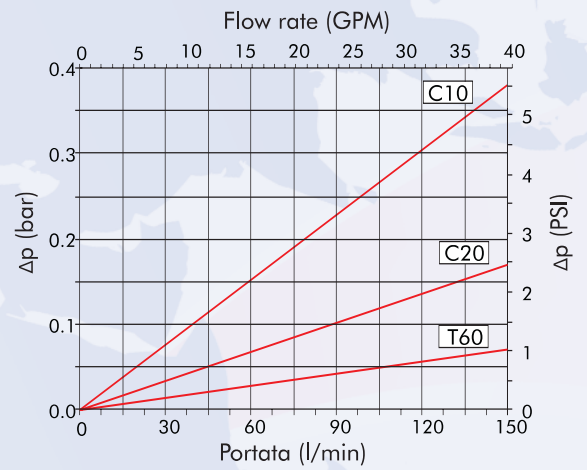
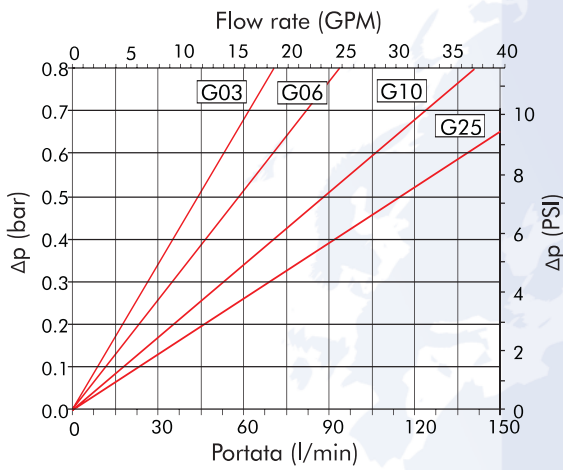
FCR-7-30 / 31 / 32 / 33



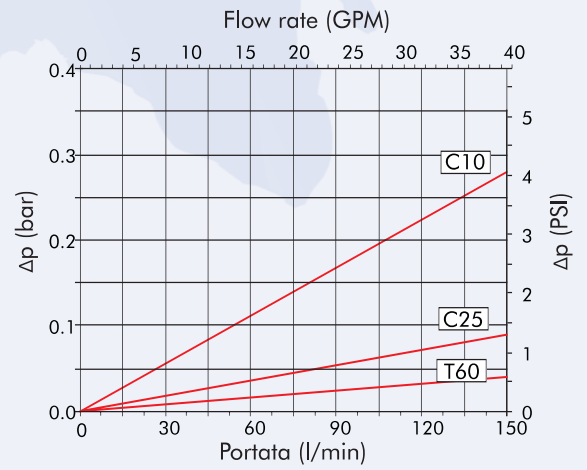
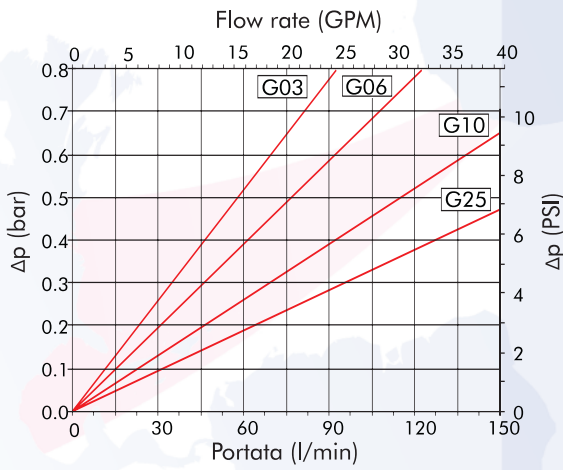
R-7-11



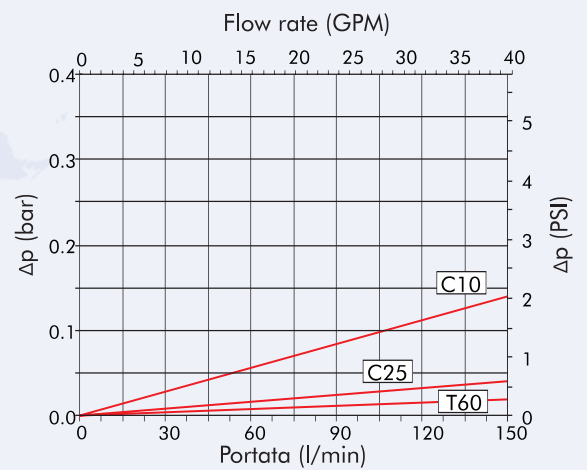
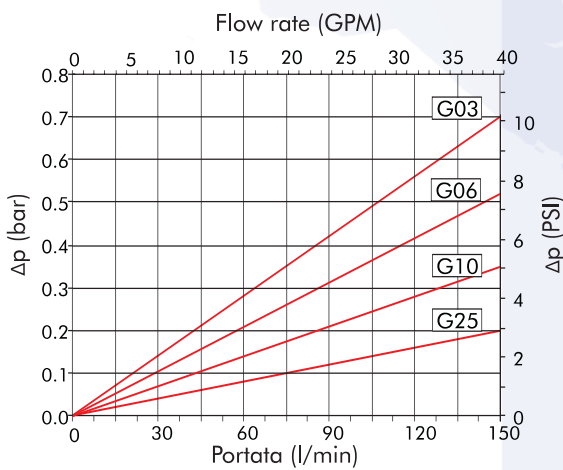
R-7-12



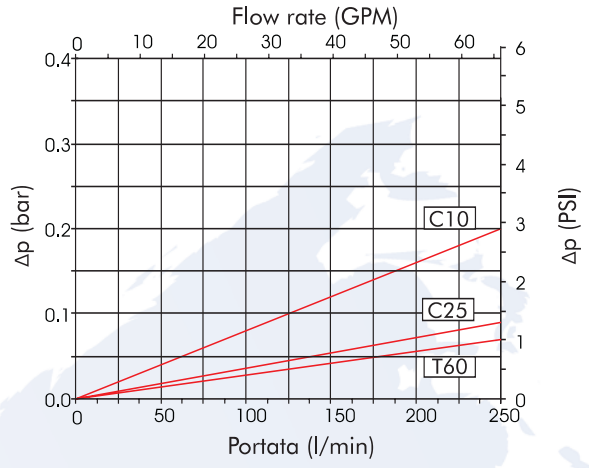
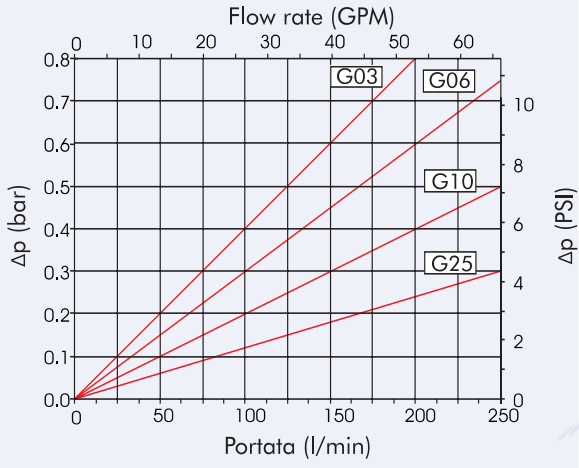
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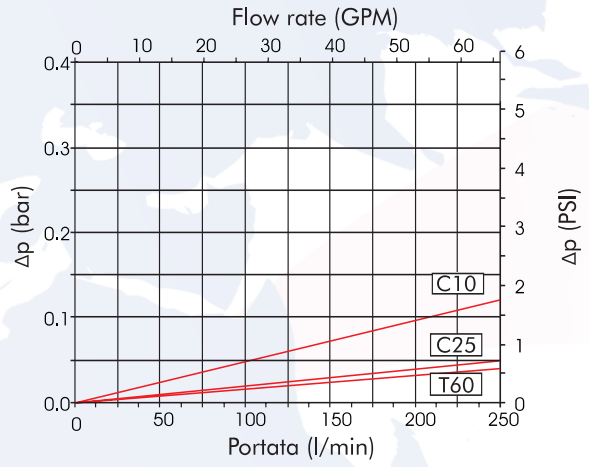
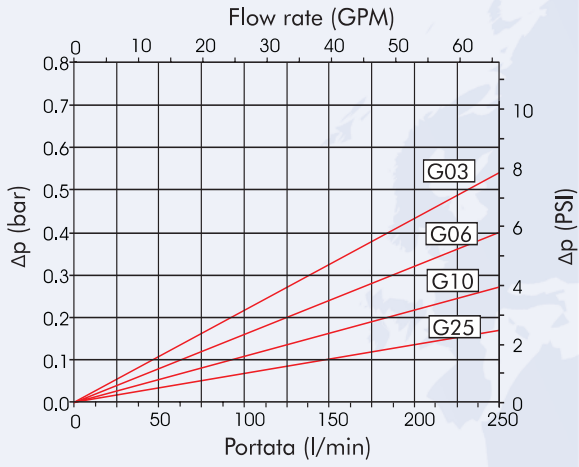
R-7-14



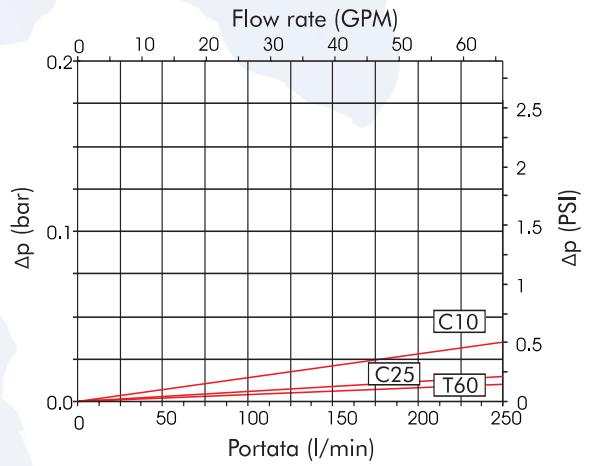
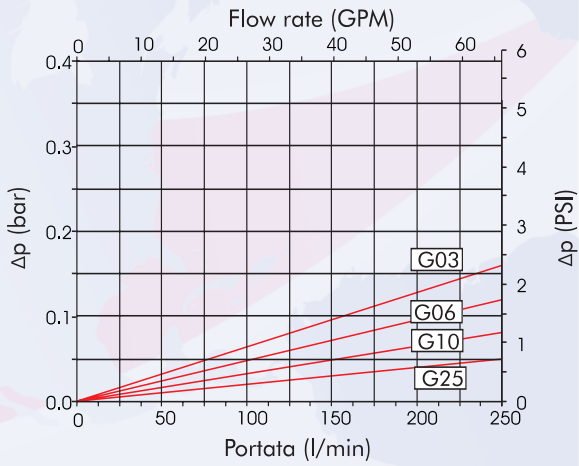
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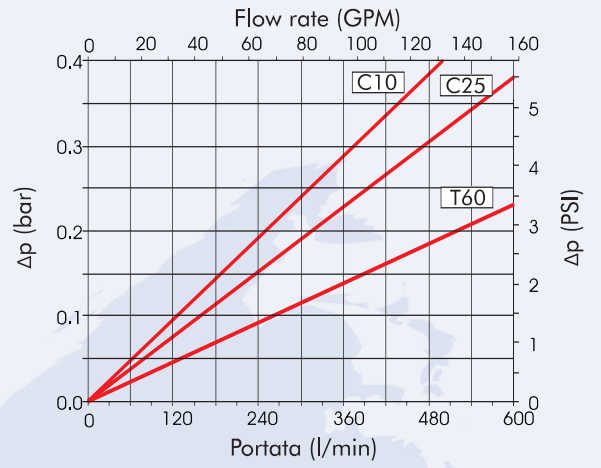
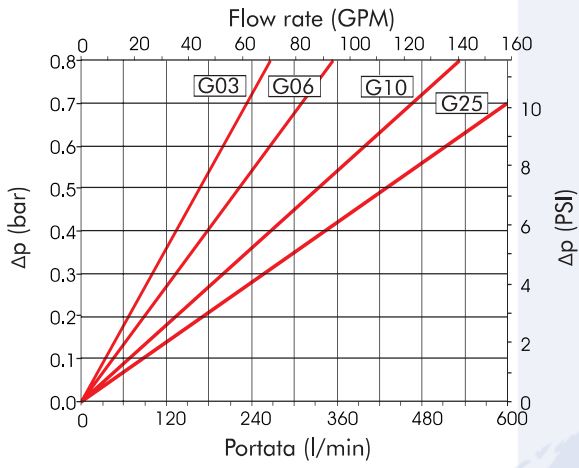
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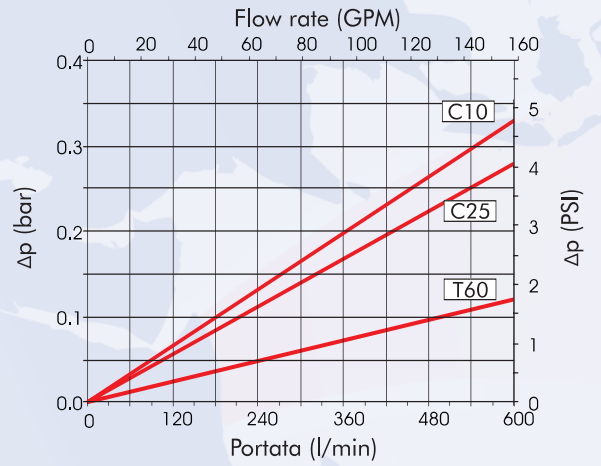
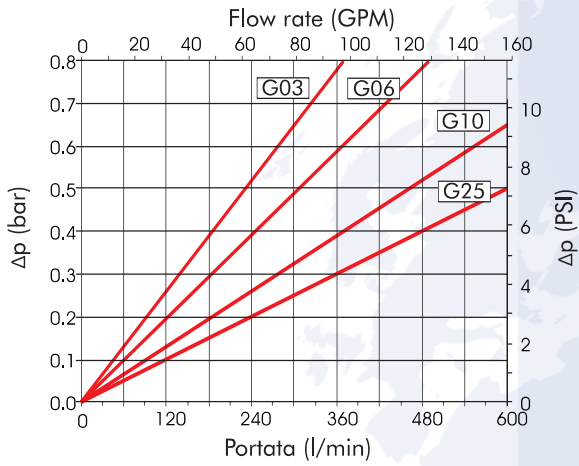
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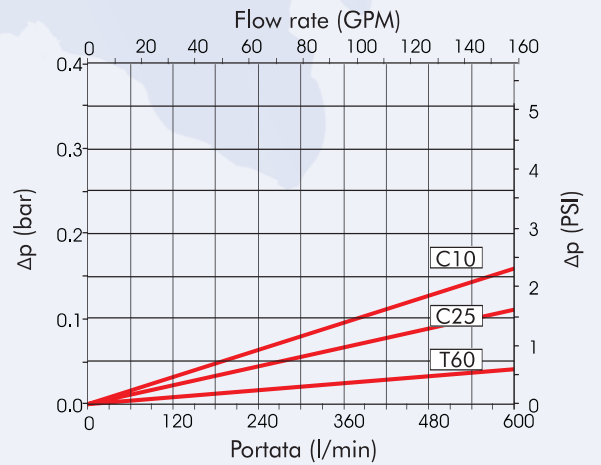
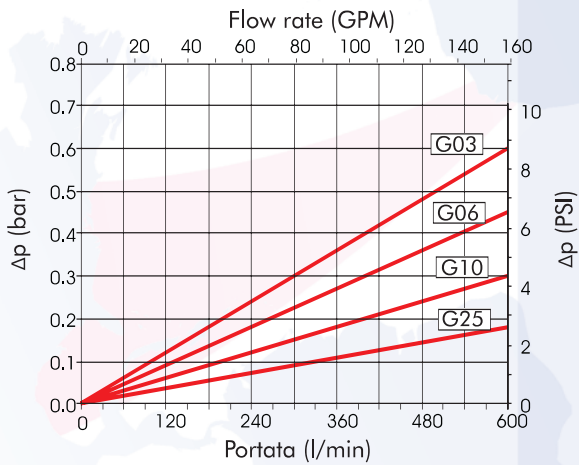
R-7-30



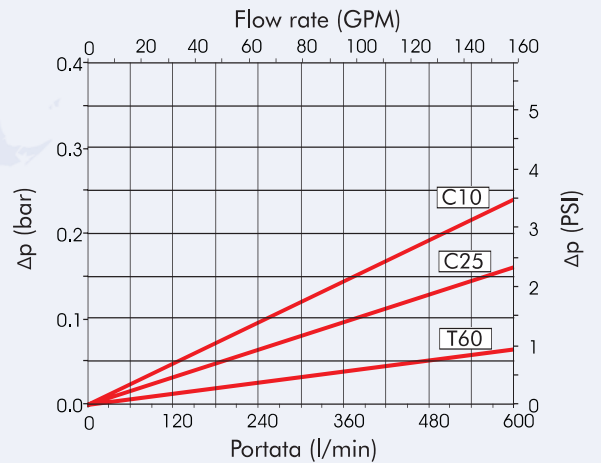
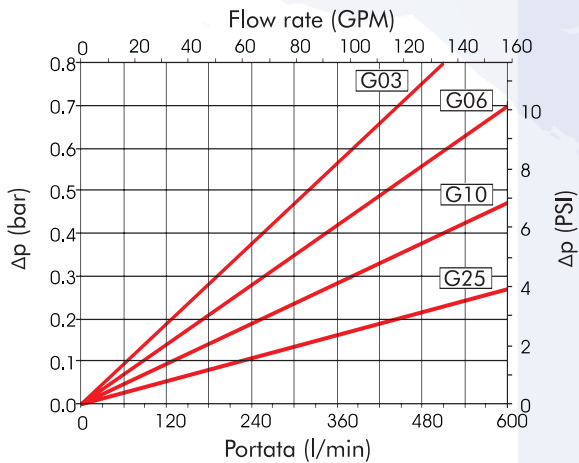
R-7-31



R-7-32



R-7-33



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