

RETURN FILTERS

FA-1 RETURN LINE SPIN-ON	637
FA-2 TANK TOP RETURN LINE SPIN-ON	643
FCR-7 TANK TOP RETURN LINE.....	648
FVR-7 IN TANK RETURN LINE.....	658
FR-1 TANK TOP RETURN LINE.....	665
FR-8 TANK TOP RETURN LINE.....	674
FA-4 INLINE PRESSURE AND RETURN SPIN ON.....	681



FLOWFIT®



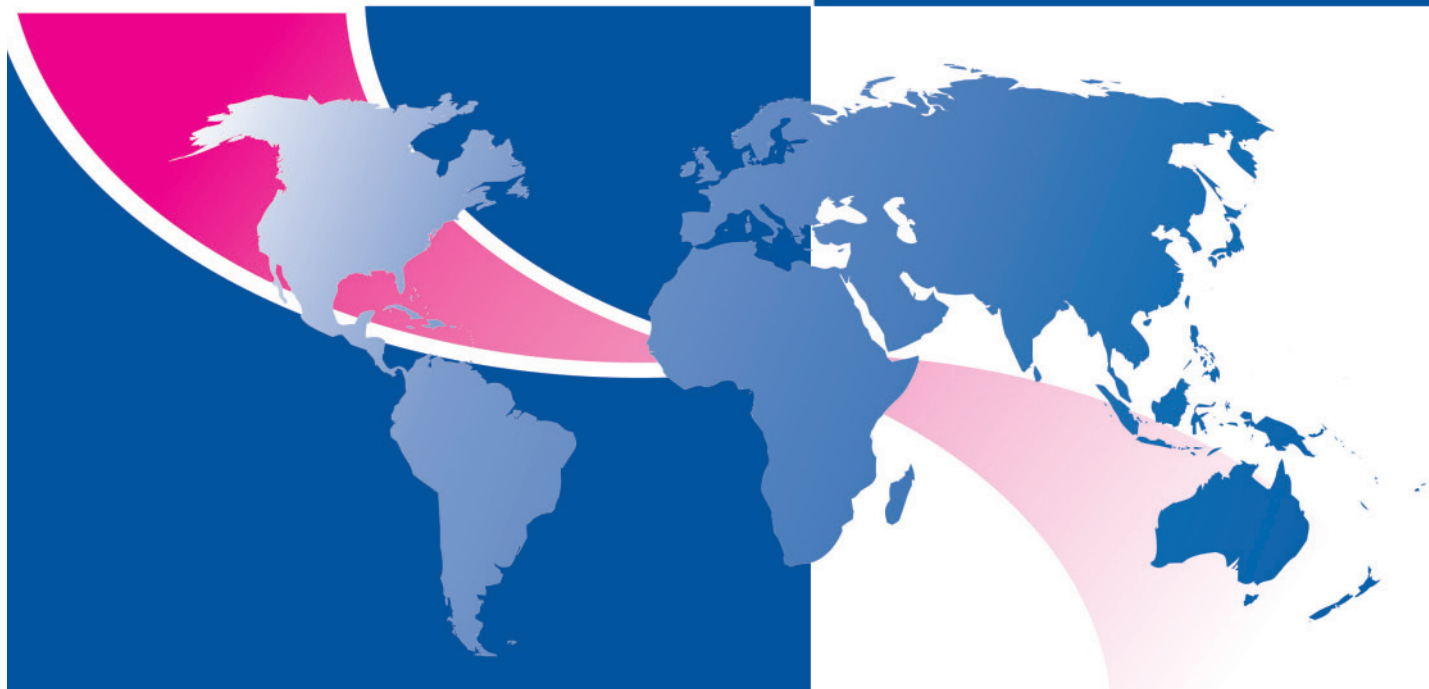
FILTRAZIONE IDRAULICA

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:

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.

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: 4 Bar (58 psi)

DESCRIPTION	ORDER CODE	PORTS	FLOW RATE	PRICE	ELEMENT	PRICE
SUPPLIED WITH VACUUM GAUGE INDICATOR AND BYPASS VALVE						
10 MICRON CELLULOSE						
FA-1-10-C10-B4-R-R1	ZZ004770	3/4" BSP	70 L/MIN	£38.16	A110C10	£15.90
FA-1-11-C10-B4-R-R1	ZZ004771	3/4" BSP	75 L/MIN	£64.66	A111C10	£27.56
FA-1-20-C10-B6-R-R1	ZZ004772	1 1/4" BSP	130 L/MIN	£79.50	A120C10	£23.32
FA-1-21-C10-B6-R-R1	ZZ004773	1 1/4" BSP	150 L/MIN	£82.68	A121C10	£40.28
FA-1-30-C10-B7-R-R1 * 2 ELEMENTS	ZZ004774	1 1/2" BSP	300 L/MIN	£104.94	A120C10	£23.32
FA-1-31-C10-B7-R-R1 * 2 ELEMENTS	ZZ004775	1 1/2" BSP	310 L/MIN	£127.20	A121C10	£40.28
FA-1-40-C10-B7-R-R1 * 2 ELEMENTS	ZZ004776	1 1/2" BSP	300 L/MIN	£243.80	A120C10	£23.32
25 MICRON CELLULOSE						
FA-1-10-C25-B4-R-R1	ZZ004777	3/4" BSP	75 L/MIN	£38.16	A110C25	£15.90
FA-1-11-C25-B4-R-R1	ZZ004778	3/4" BSP	80 L/MIN	£64.66	A111C25	£27.56
FA-1-20-C25-B6-R-R1	ZZ004779	1 1/4" BSP	170 L/MIN	£79.50	A120C25	£23.32
FA-1-21-C25-B6-R-R1	ZZ004780	1 1/4" BSP	190 L/MIN	£82.68	A121C25	£40.28
FA-1-30-C25-B7-R-R1 * 2 ELEMENTS	ZZ004781	1 1/2" BSP	320 L/MIN	£104.94	A120C25	£23.32
FA-1-31-C25-B7-R-R1 * 2 ELEMENTS	ZZ004782	1 1/2" BSP	340 L/MIN	£127.20	A121C25	£40.28
FA-1-40-C25-B7-R-R1 * 2 ELEMENTS	ZZ004783	1 1/2" BSP	320 L/MIN	£243.80	A120C25	£23.32

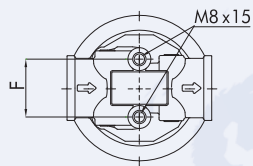
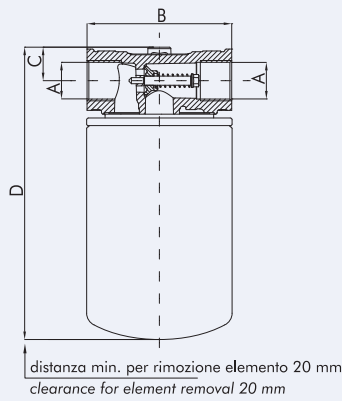
THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERING TO THE TECHNICAL INFORMATION.

OPTIONAL EXTRAS

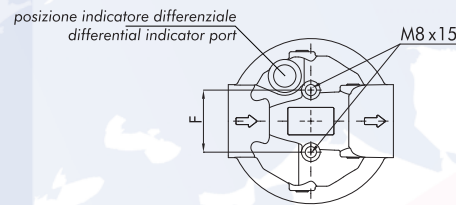
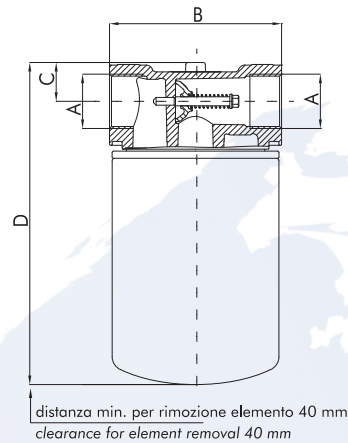
INDICATORS	PRICE
R2 PRESSURE SWITCH 1.3 BAR SETTING O.C (18.85 PSI)	£27.98
R3 PRESSURE SWITCH 1.3 BAR SETTING C.C (18.85 PSI)	£27.56
R4 PRESSURE SWITCH 1.3 BAR SETTING (18.85 PSI)	£100.74
R6 VISUAL PRESSURE 1.2 BAR SETTING (17.4 PSI)	£34.60
R7 PRESSURE/VACUUM GAUGE -1+5 BAR SETTING (-14.5+72.5PSI)	£9.67
Z1 DIFFERENTIAL VISUAL SWITCH 1.3 BAR SETTING (18.85 PSI) - FA-1-30/31 ONLY	£47.32
Z2 DIFFERENTIAL ELECTRIC VISUAL SWITCH 1.3 BAR SETTING (18.85 PSI) - FA-1-30/31 ONLY	£65.13
Z15 DIFFERENTIAL VISUAL SWITCH 1.3 BAR SETTING (18.85 PSI) - FA-1-40/41 ONLY	£47.32
Z16 DIFFERENTIAL ELECTRIC VISUAL SWITCH 1.3 BAR SETTING (18.85 PSI) - FA-1-40/41 ONLY	£65.13
Z20 DIFFERENTIAL VISUAL SWITCH 1.3 BAR SETTING (18.85 PSI) - FA-1-20/21 ONLY	£26.46
Z21 DIFFERENTIAL ELECTRIC SWITCH 1.3 BAR SETTING (18.85 PSI) - FA-1-20/21 ONLY	£21.88

Informazioni dimensionali - Overall dimensions

FA-1-10/11



FA-1-20/21

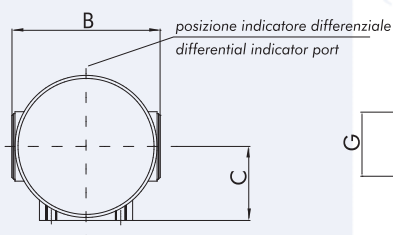
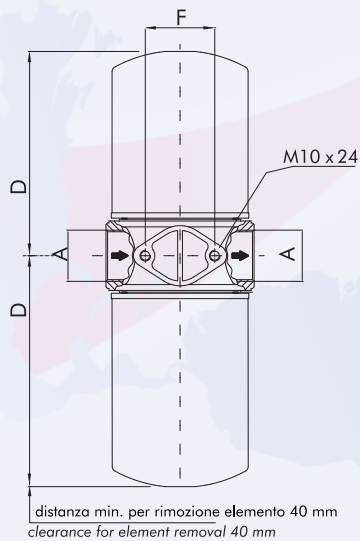


Solo su richiesta (Contattate il nostro ufficio commerciale) - Only on request (Please contact our sales department)

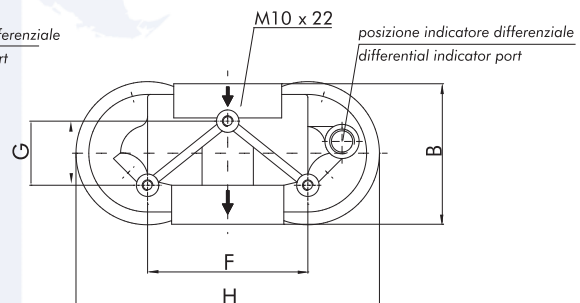
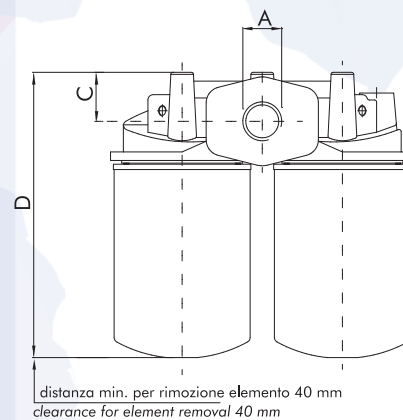
Connessioni IN/OUT IN/OUT Connection	Connessione cartuccia Filter element connection	Fori di fissaggio Mounting holes
1" BSP	3/4" BSP	M8
3/4" NPT	1"-12 UNF	1/4"-20 UNC
1" NPT		
1 1/16-12 UNF		

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

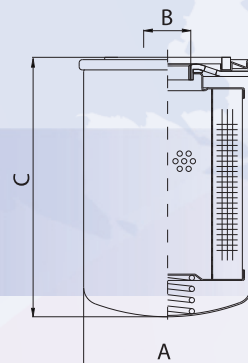


1) Grandezza nominale - Nominal size

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				257				A-1-11
FA-1-20	1 1/4" BSP	133	30	249	50	----	----	A-1-20
FA-1-21				295				A-1-21
FA-1-30	1 1/2" BSP	140	70	218	65	----	----	A-1-20
FA-1-31				262				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)	
S2	vuotostato n.a. taratura -0,2 Bar vacuum switch -0,2 Bar setting O.C. (-2,9 Psi)	in aspirazione
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*

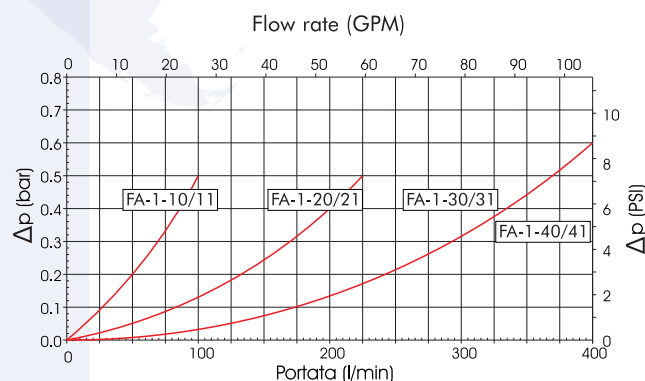
3*

Curve di portata - Pressure drop charts

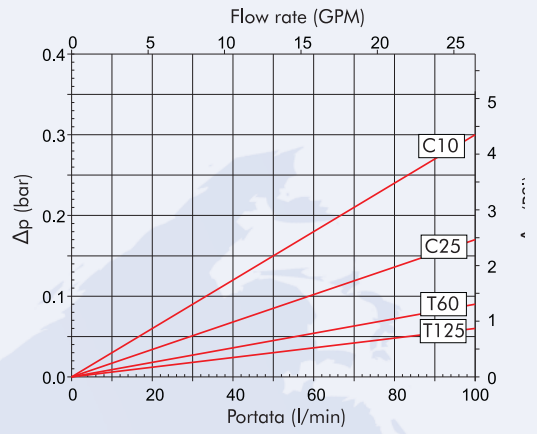
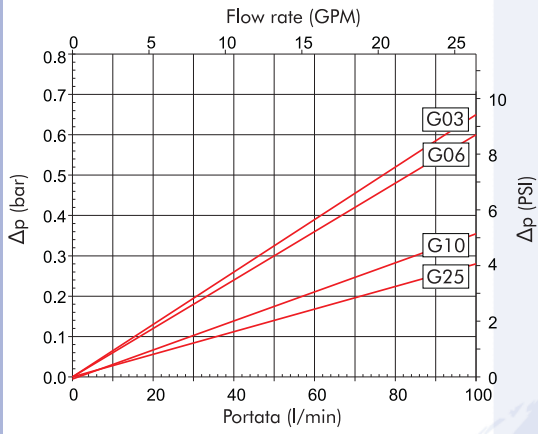
Filtro Housing

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.

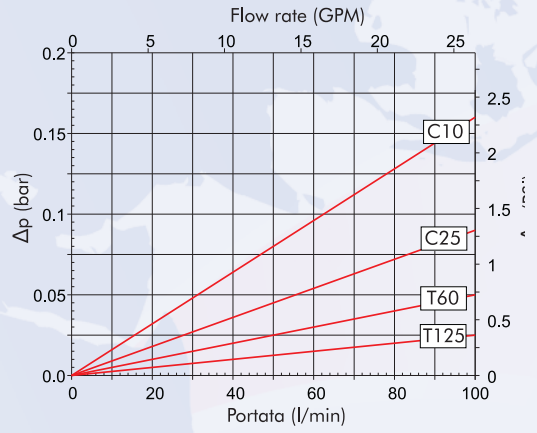
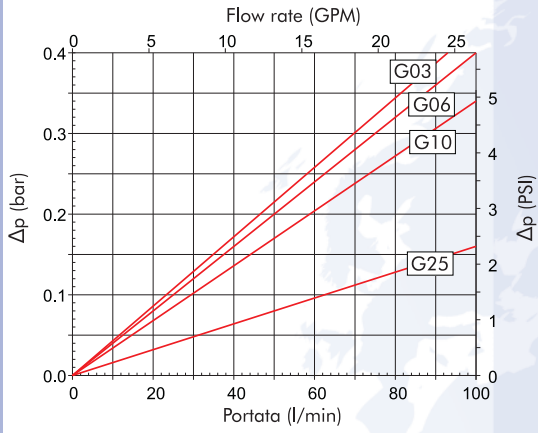
Pressure drop charts (as per ISO 3968 class B) are obtained using mineral oil with 30 cSt viscosity and 0,86 Kg/dm³ density. With different values of viscosity and density data may vary.



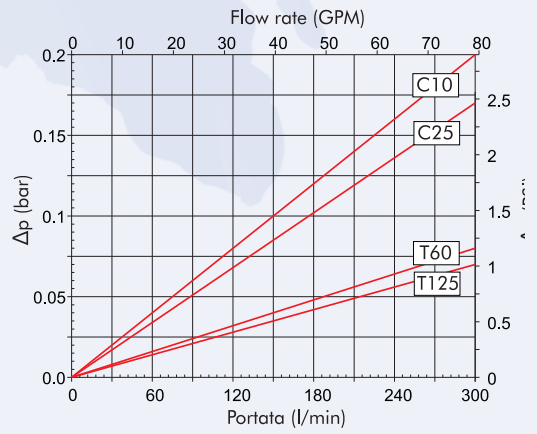
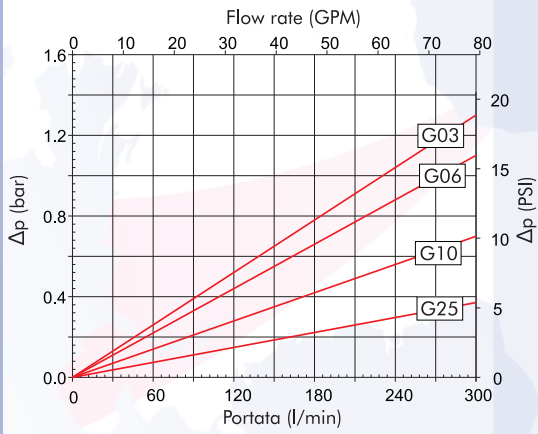
A-1-10-...



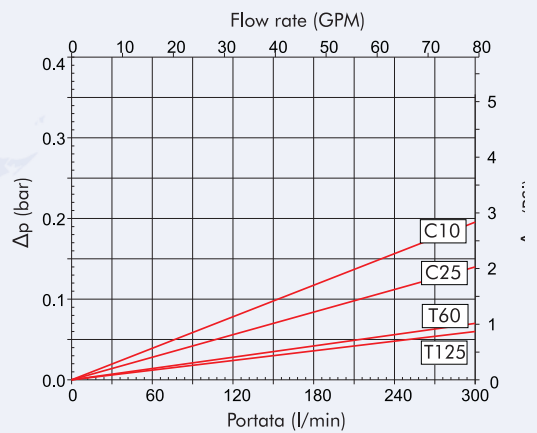
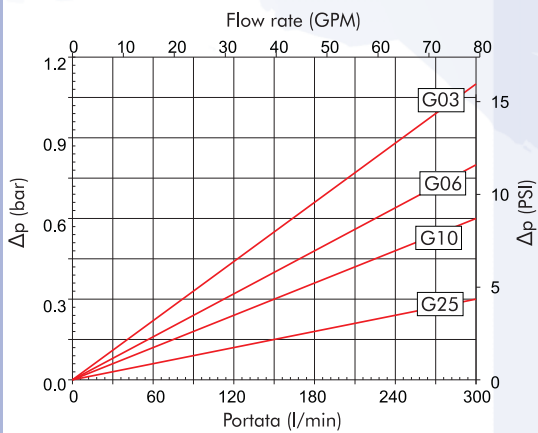
A-1-11-...



A-1-20-...



A-1-21-...



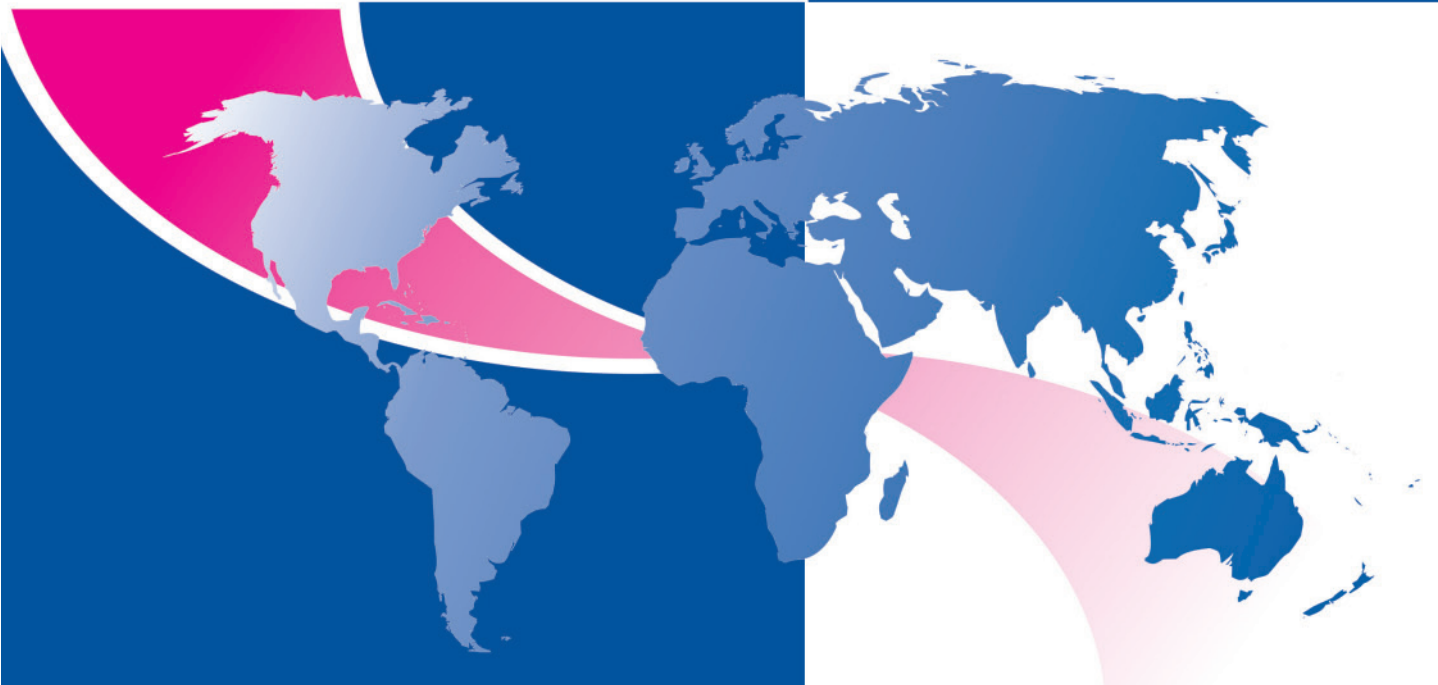


FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION



FILTREC[®]
Technical Filtration

serie
FA-2



Serie FA-2

Filtri avvitabili da montare su serbatoio
Tank top return spin-on filters



FILTER HOUSING

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

Fluids compatibility:

Technical Information

Tank top return line spin-on filter assemblies.
150 l/min (40 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

Visual and electrical

-25°C +100°C (-13°F +212°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.

FILTER ELEMENT

Filter media:

Collapse pressure:
By-pass setting:

Microglass fiber 3,6,10,25 µm

Cellulose 10,25 µm

Wire mesh 60, 125 µm

As per ISO 2941: 4 Bar (58 psi)

Return line 1,7 Bar (24.6 psi)

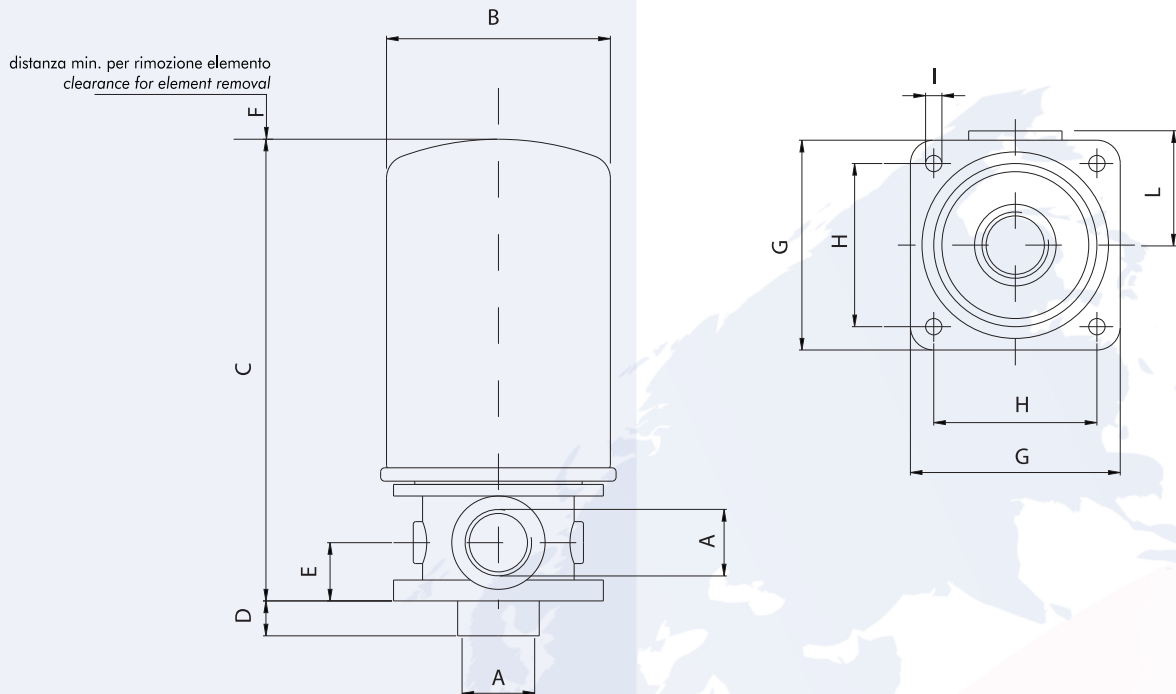
DESCRIPTION	ORDER CODE	PORTS	FLOW RATE	PRICE	ELEMENT	PRICE
10 MICRON CELLULOSE						
FA-2-10-C10-BM-B4-R1	ZZ004784	3/4" BSP	60 L/MIN	£86.54	A210C10BM	£26.49
FA-2-11-C10-BM-B4-R1	ZZ004785	3/4" BSP	75 L/MIN	£86.54	A211C10BM	£30.92
FA-2-20-C10-BM-B4-R1	ZZ004786	1 1/2" BSP	140 L/MIN	£118.72	A220C10BM	£37.30
FA-2-21-C10-BM-B4-R1	ZZ004787	1 1/2" BSP	160 L/MIN	£120.84	A221C10BM	£47.25
25 MICRON CELLULOSE						
FA-2-10-C25-BM-B4-R1	ZZ004788	3/4" BSP	80 L/MIN	£86.54	A210C25BM	£26.49
FA-2-11-C25-BM-B4-R1	ZZ004789	3/4" BSP	90 L/MIN	£86.54	A211C25BM	£30.92
FA-2-20-C25-BM-B4-R1	ZZ004790	1 1/2" BSP	170 L/MIN	£118.72	A220C25BM	£37.30
FA-2-21-C25-BM-B4-R1	ZZ004791	1 1/2" BSP	200 L/MIN	£120.84	A221C25BM	£47.25
10 MICRON FIBREGLASS						
FA-2-10-G10-BM-B4-R1	ZZ004792	3/4" BSP	50 L/MIN	£113.17	A210G10BM	£44.52
FA-2-11-G10-BM-B4-R1	ZZ004793	3/4" BSP	60 L/MIN	£135.46	A211G10BM	£61.48
FA-2-20-G10-BM-B4-R1	ZZ004794	1 1/2" BSP	120 L/MIN	£176.67	A220G10BM	£81.26
FA-2-21-G10-BM-B4-R1	ZZ004795	1 1/2" BSP	130 L/MIN	£205.28	A221G10BM	£103.02

THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERRING TO THE TECHNICAL INFORMATION.

OPTIONAL EXTRAS

INDICATORS	PRICE
R2 PRESSURE SWITCH O.C 1.3 BAR 18.85 PSI	£27.98
R3 PRESSURE SWITCH C.C 1.3 BAR 18.85 C.C	£27.56
R7 PRESSURE VACUUM GAUGE -1+5 -14.5+72.5 PSI	£9.67

Informazioni dimensionali - Overall dimensions

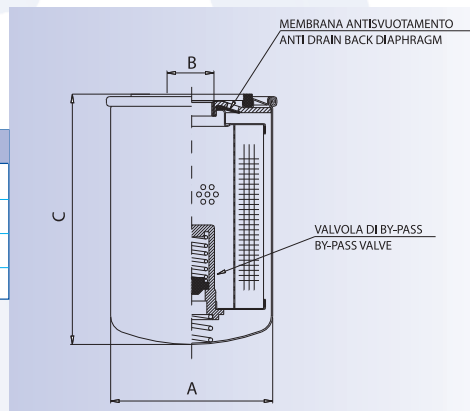


1) Grandezza nominale - Nominal size

Codice - Code	A	B	C	D	E	F	G	H	I	L	Cart. ricambio Element
FA-2-10	3/4" BSP	96	200	15	25	20	90	70	7	50	A-2-10
FA-2-11		96	265	15	25	20	90	70	7	50	A-2-11
FA-2-20	1 1/2" BSP	128	255	20	36	40	122	100	9	70	A-2-20
FA-2-21		128	300	20	36	40	122	100	9	70	A-2-21

2) Dimensioni cartucce - Element size

Codice - Code	A	B	C
A-2-10	96	3/4" BSP	148
A-2-11	96	3/4" BSP	213
A-2-20	128	1 1/4" BSP	182
A-2-21	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) Conessioni - Connection port

Codice - Code	Connessione - Connection
B4	3/4" BSP
B7	1 1/2" BSP

5) 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

Codici per l'ordinazione - Ordering information

Filtro completo
Filter assembly

FA-2

21	C10	BM	B7	R2
1*	3*		4*	5*

Cartuccia
Filter element

A-2

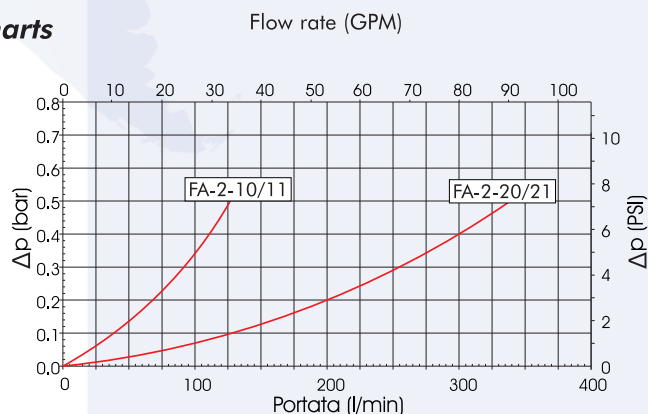
20	C10	BM
2*	3*	

Curve di portata - Pressure drop charts

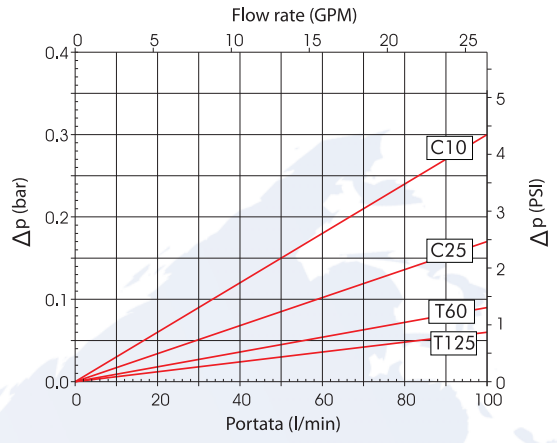
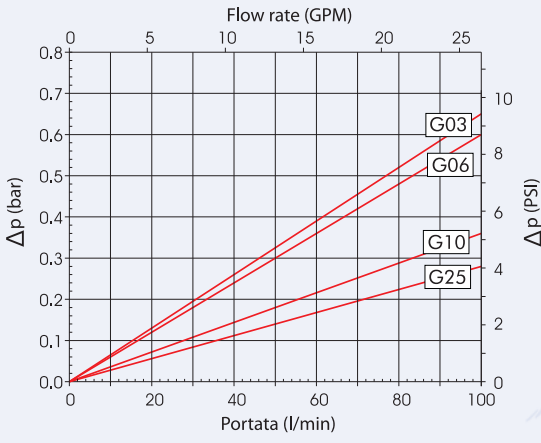
Filtro Housing

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.

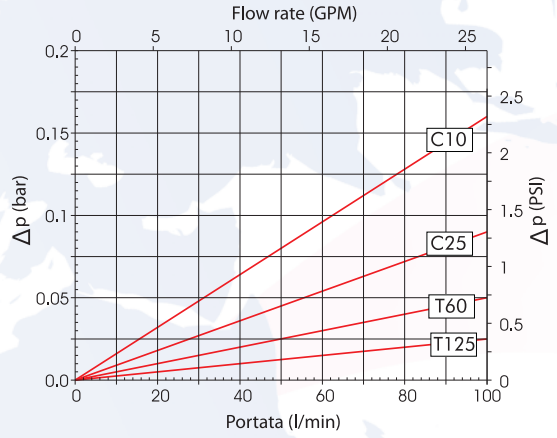
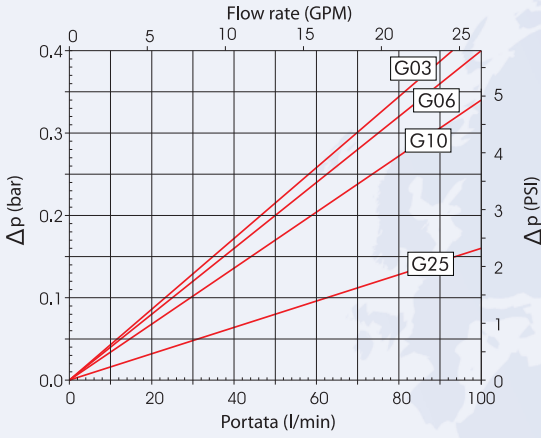
Pressure drop charts (as per ISO 3968 class B) are obtained using mineral oil with 30 cSt viscosity and 0,86 Kg/dm³ density. With different values of viscosity and density data may vary.



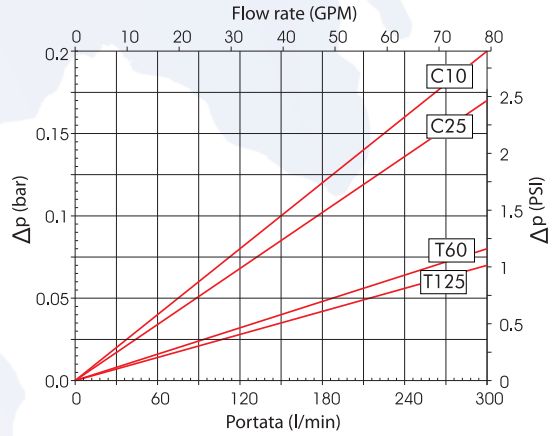
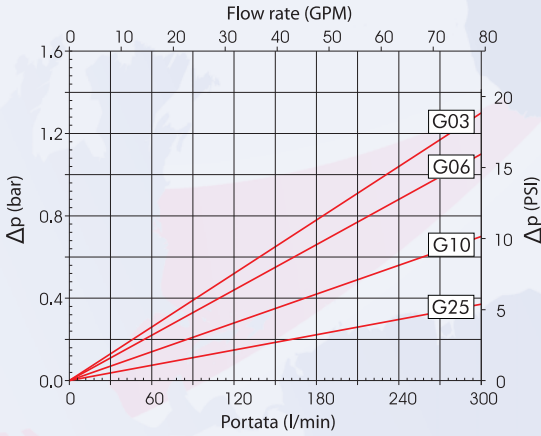
A-2-10-...-BM



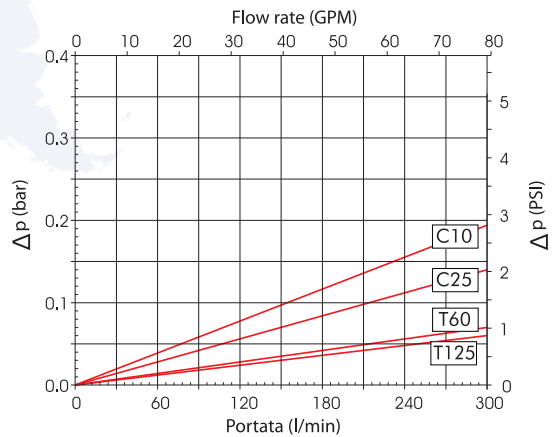
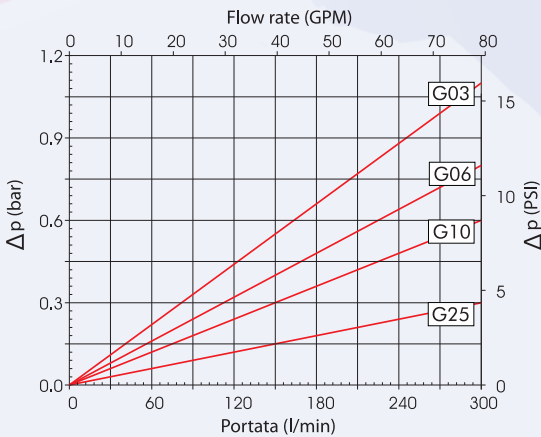
A-2-11-...-BM



A-2-20-...-BM



A-2-21-...-BM





FILTRAZIONE IDRAULICA 
HYDRAULIC FILTRATION 



FILTREC[®]
Technical Filtration

serie
FCR-7



Serie FCR-7

Filtri sul ritorno Return filter



FILTER HOUSING

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

Fluids compatibility:

FILTER ELEMENT

Filter media:

Collapse pressure:

Technical Information

Tank top mounting design return line with reusable or disposable element.
 600 l/min (158 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, 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: 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 10, 25, 40, 60, 100, 120 µm
 As per ISO 2941: 10 Bar (145 psi)

DESCRIPTION	ORDER CODE	PORTS	FLOW RATE	PRICE	ELEMENT	PRICE
10 MICRON CELLULOSE						
FCR-7-11-G10-B6-O-V17-O-O-O-C-R1	ZZ004796	1 1/4" BSP	36 L/MIN	£140.68	R711G10	£36.63
FCR-7-12-G10-B6-O-V17-O-O-O-C-R1	ZZ004797	1 1/4" BSP	50 L/MIN	£145.64	R712G10	£41.17
FCR-7-13-G10-B6-O-V17-O-O-O-C-R1	ZZ004798	1 1/4" BSP	80 L/MIN	£155.74	R713G10	£57.72
FCR-7-14-G10-B6-O-V17-O-O-O-C-R1	ZZ004799	1 1/4" BSP	120 L/MIN	£169.39	R714G10	£74.57
FCR-7-20-G10-B7-O-V17-O-O-O-C-R1	ZZ004800	1 1/2" BSP	120 L/MIN	£291.58	R720G10	£77.00
FCR-7-21-G10-B7-O-V17-O-O-O-C-R1	ZZ004801	1 1/2" BSP	160 L/MIN	£301.63	R721G10	£89.75
FCR-7-22-G10-B7-O-V17-O-O-O-C-R1	ZZ004802	1 1/2" BSP	240 L/MIN	£337.21	R722G10	£132.85
FCR-7-30-G10-B8-O-V17-O-O-O-C-R1	ZZ004803	2" BSP	180 L/MIN	£486.24	R730G10	£91.30
FCR-7-31-G10-B8-O-V17-O-O-O-C-R1	ZZ004804	2" BSP	200 L/MIN	£502.74	R731G10	£111.94
FCR-7-32-G10-B8-O-V17-O-O-O-C-R1	ZZ004805	2" BSP	320 L/MIN	£542.55	R732G10	£138.86
FCR-7-33-G10-B8-O-V17-O-O-O-C-R1	ZZ004806	2" BSP	380 L/MIN	£527.92	R733G10	£139.25
25 MICRON FIBREGLASS						
FCR-7-11-G25-B6-O-V17-O-O-O-C-R1	ZZ004807	1 1/4" BSP	90 L/MIN	£140.68	R711G25	£36.63
FCR-7-12-G25-B6-O-V17-O-O-O-C-R1	ZZ004808	1 1/4" BSP	120 L/MIN	£145.64	R712G25	£41.17
FCR-7-13-G25-B6-O-V17-O-O-O-C-R1	ZZ004809	1 1/4" BSP	160 L/MIN	£155.74	R713G25	£57.72
FCR-7-14-G25-B6-O-V17-O-O-O-C-R1	ZZ004810	1 1/4" BSP	180 L/MIN	£169.39	R714G25	£74.57
FCR-7-20-G25-B7-O-V17-O-O-O-C-R1	ZZ004811	1 1/2" BSP	160 L/MIN	£291.58	R720G25	£77.00
FCR-7-21-G25-B7-O-V17-O-O-O-C-R1	ZZ004812	1 1/2" BSP	200 L/MIN	£301.63	R721G25	£89.75
FCR-7-22-G25-B7-O-V17-O-O-O-C-R1	ZZ004813	1 1/2" BSP	280 L/MIN	£337.21	R722G25	£132.85
FCR-7-30-G25-B8-O-V17-O-O-O-C-R1	ZZ004814	2" BSP	300 L/MIN	£486.24	R730G25	£91.30
FCR-7-31-G25-B8-O-V17-O-O-O-C-R1	ZZ004815	2" BSP	360 L/MIN	£502.74	R731G25	£111.94
FCR-7-32-G25-B8-O-V17-O-O-O-C-R1	ZZ004816	2" BSP	460 L/MIN	£542.55	R732G25	£139.25
FCR-7-33-G25-B8-O-V17-O-O-O-C-R1	ZZ004817	2" BSP	580 L/MIN	£527.92	R733G25	£139.25

THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERING TO THE TECHNICAL INFORMATION.

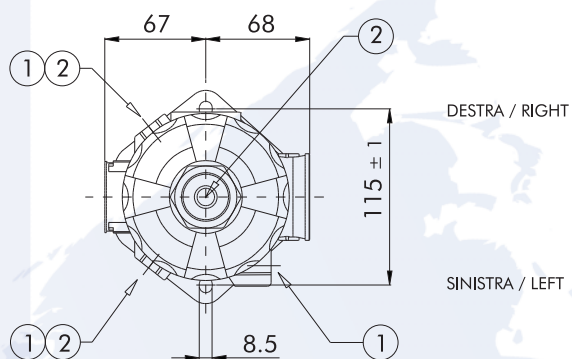
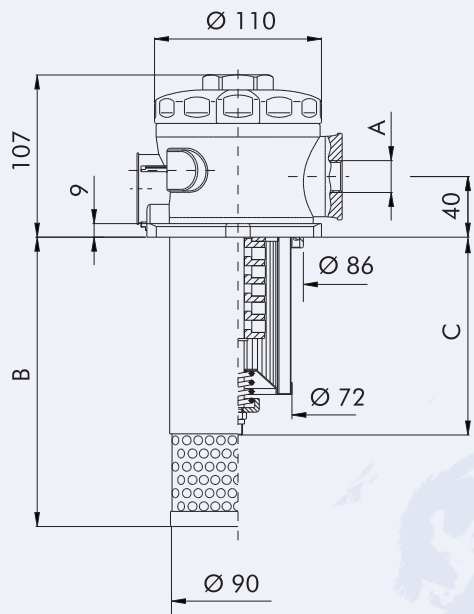
OPTIONAL EXTRAS

	PRICE
VITON SEALS	
FCR-7-11 SERIES	£42.15
FCR-7-20 SERIES	£61.73
FCR-7-30 SERIES	£80.94
SECONDARY PORTS	
ALL SERIES	£4.71
MAGNETS	
FCR-7-11 SERIES	£22.85
FCR-7-20 SERIES	£42.02
FCR-7-30 SERIES	£60.97
DIFFUSERS	
FCR-7-11	£42.91
FCR-7-12	£42.91
FCR-7-13	£45.79
FCR-7-14	£48.84

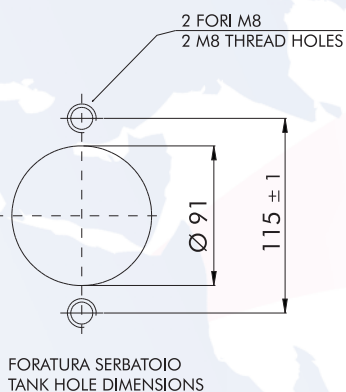
	PRICE
DIFFUSERS	
FCR-7-20	£70.85
FCR-7-21	£93.11
FCR-7-22	£100.45
FCR-7-30	£71.74
FCR-7-31	£78.86
FCR-7-32	£86.03
FCR-7-33	£94.72
FILLER CAP	
FCR-7-20 SERIES	£12.21
FCR-7-30 SERIES	£14.33
INDICATORS	
R2 PRESSURE SWITCH O.C 1.3 BAR 18.85 PSI O.C	£27.98
R3 PRESSURE SWITCH C.C 1.3 BAR 18.85 PSI C.C	£27.56
R7 PRESSURE VACUUM GAUGE -1.5 BAR -14.5 BAR -72.5PSI	£9.67

Informazioni dimensionali - Overall dimensions

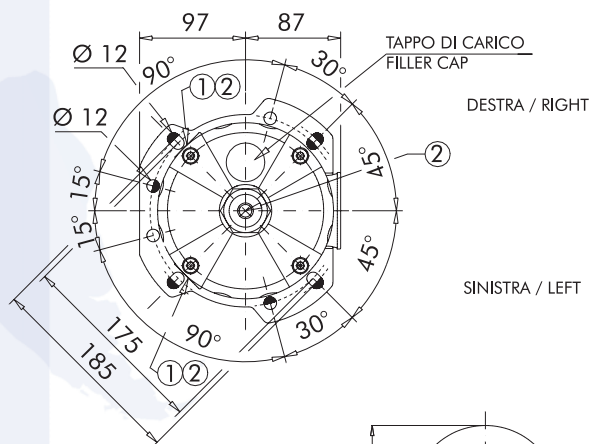
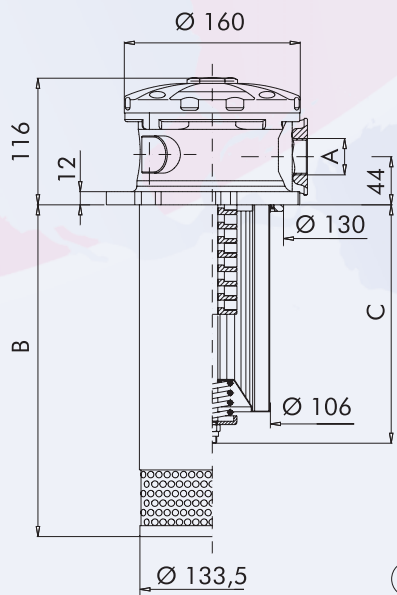
FCR-7-11 / 12 / 13 / 14



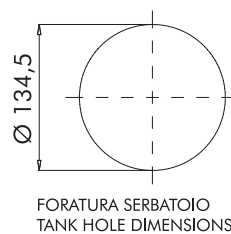
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SECOND PORT OPTION (D)
- ② POSIZIONE INDICATORE
INDICATOR PORT 1/8" BSP



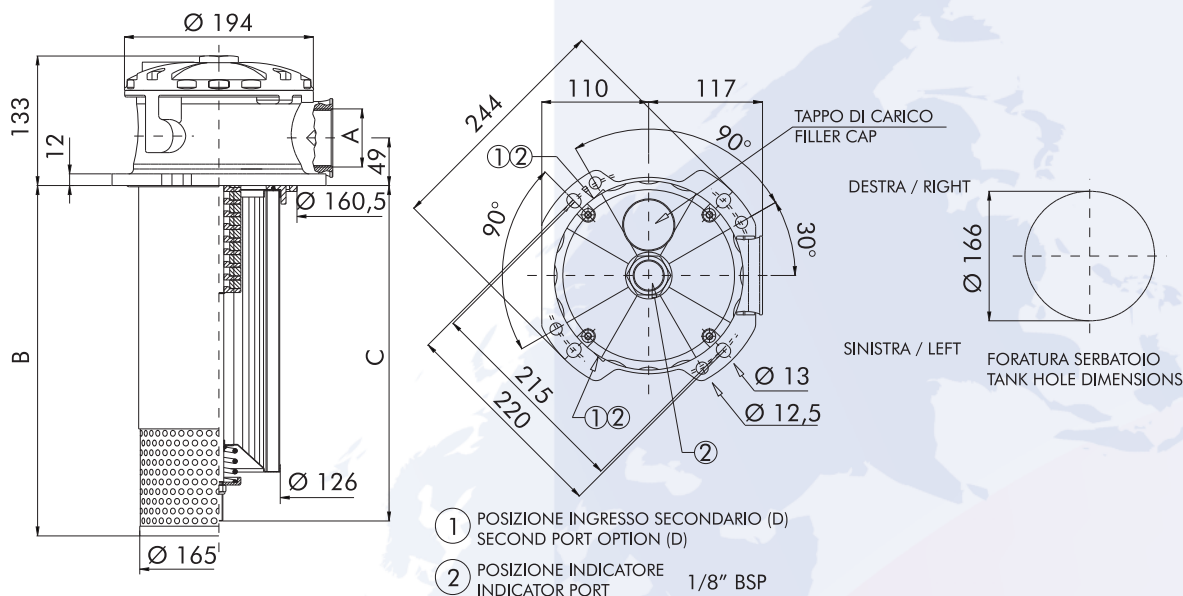
FCR-7-20 / 21 / 22



- ① POSIZIONE INGRESSO SECONDARIO (D)
SECOND PORT OPTION (D)
- ② POSIZIONE INDICATORE
INDICATOR PORT 1/8" BSP



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	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	1/2" - 3/4" - 1" - 1 1/4" NPT 3/4"-16 UNF - SAE J514b	195	178		R-7-12
FCR-7-13	1 1/16"-12 UN-SAE J514b 1 5/16"-12 UN-SAE J514b	345	228		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 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	1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b 1 7/8"-12 UN-SAE J514b	310	303		R-7-21
FCR-7-22	1 1/4" SAE J518 - 3000 1 1/2" SAE J518 - 3000	515	508		R-7-22
FCR-7-30	1 1/2" - 2" BSP	360	265		R-7-30
FCR-7-31	1 1/2" - 2" NPT 1 7/8"-12 UN-SAE J514b	360	345	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT 9/16"-18 UN-SAE J514b	R-7-31
FCR-7-32	2 1/2"-12 UN-SAE J514b 1 1/2" SAE J518 - 3000	550	535	3/4"-16 UN - SAE J514b	R-7-32
FCR-7-33	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 / <i>no element</i>	-----
G03	microfibra inorganica / <i>microglass fiber</i>	$\beta_{4,5 \mu\text{m (c)}} \geq 1000$
G06	microfibra inorganica / <i>microglass fiber</i>	$\beta_{7 \mu\text{m (c)}} \geq 1000$
G10	microfibra inorganica / <i>microglass fiber</i>	$\beta_{12 \mu\text{m (c)}} \geq 1000$
G25	microfibra inorganica / <i>microglass fiber</i>	$\beta_{27 \mu\text{m (c)}} \geq 1000$
C10	carta trattata / <i>resin impregnated cellulose</i>	$\beta_{10 \mu\text{m (c)}} \geq 2$
C25	carta trattata / <i>resin impregnated cellulose</i>	$\beta_{25 \mu\text{m (c)}} \geq 2$
T10	tela metallica / <i>wire mesh</i>	-----
T25	tela metallica / <i>wire mesh</i>	-----
T40	tela metallica / <i>wire mesh</i>	-----
T60	tela metallica / <i>wire mesh</i>	-----
T100	tela metallica / <i>wire mesh</i>	-----
T120	tela metallica / <i>wire mesh</i>	-----

3) Guarnizioni - Seals

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

4) Connesioni - Connection port

Codice - Code	Connesione - 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.

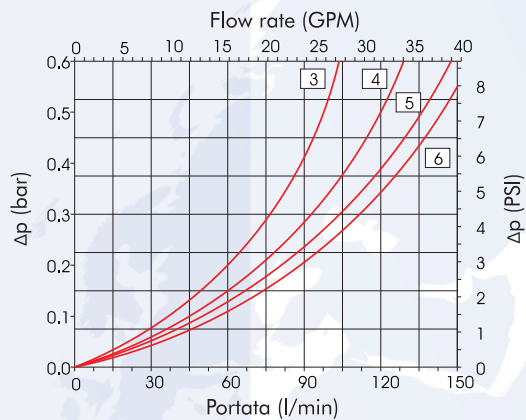
Il numero relativo alla curva di portata è riferito all'attacco del filtro; es.: 3 indica attacco B3 o N3.

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

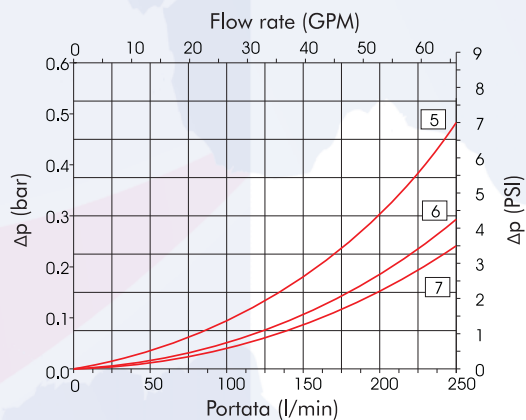
With different values of viscosity and density data may vary.

The numbers indicate connection of the filters: i.e. 3 means B3 or N3 connections.

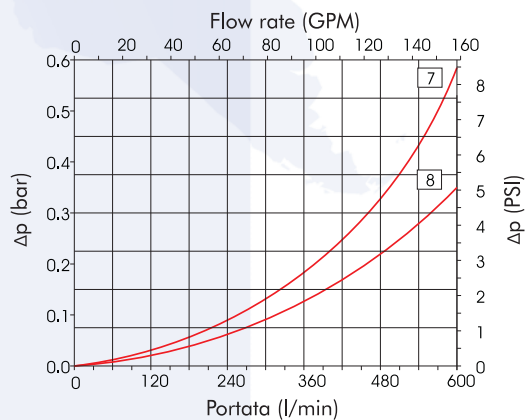
FCR-7-11 / 12 / 13 / 14



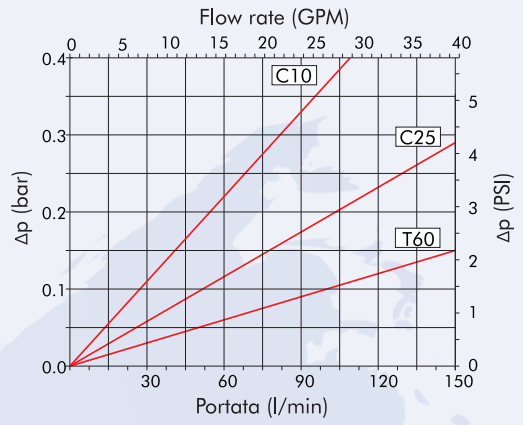
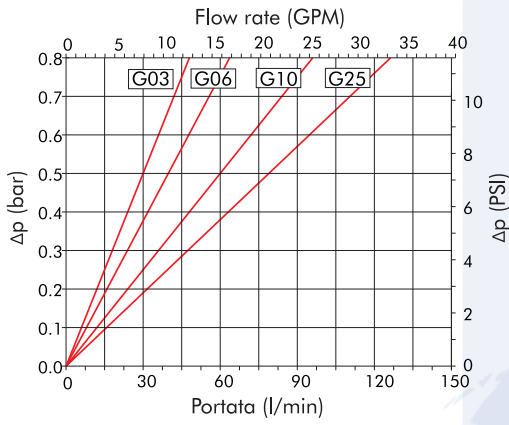
FCR-7-20 / 21 / 22



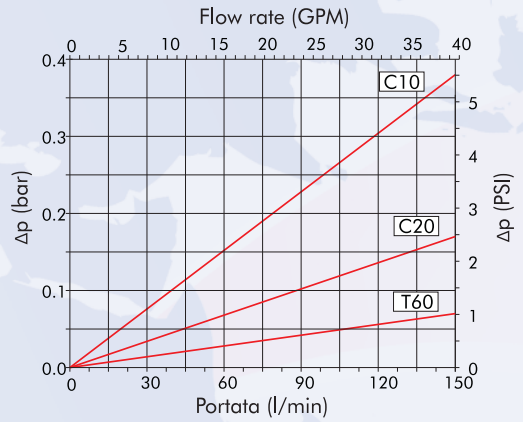
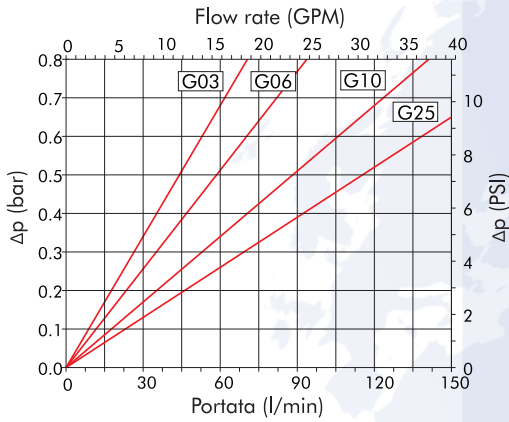
FCR-7-30 / 31 / 32 / 33



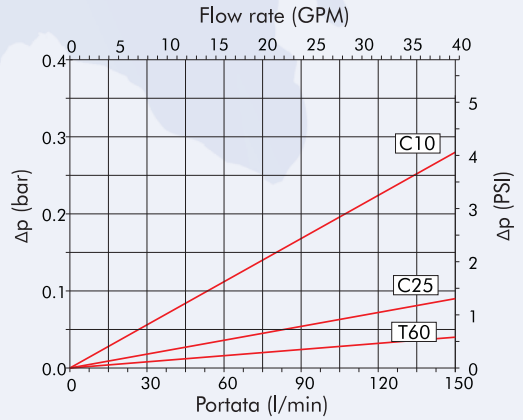
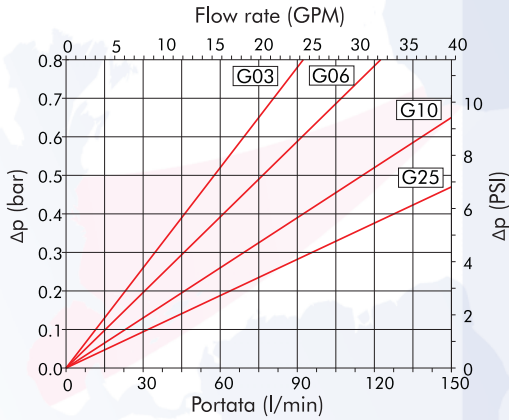
R-7-11



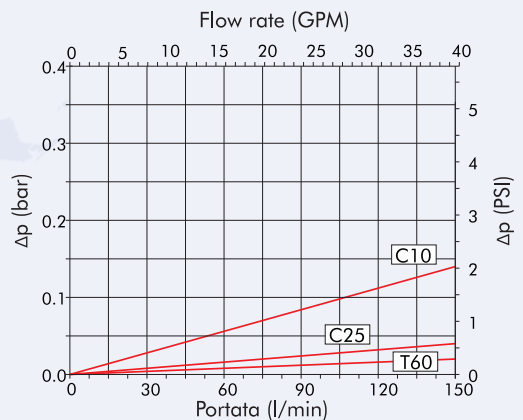
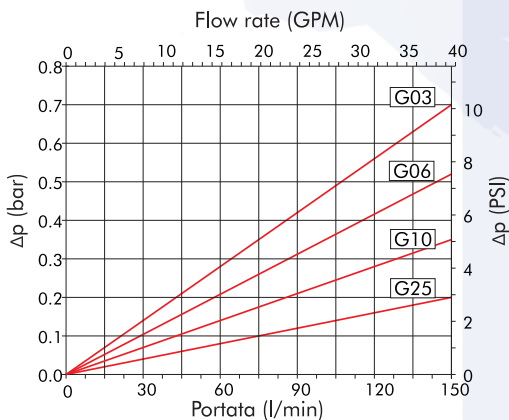
R-7-12



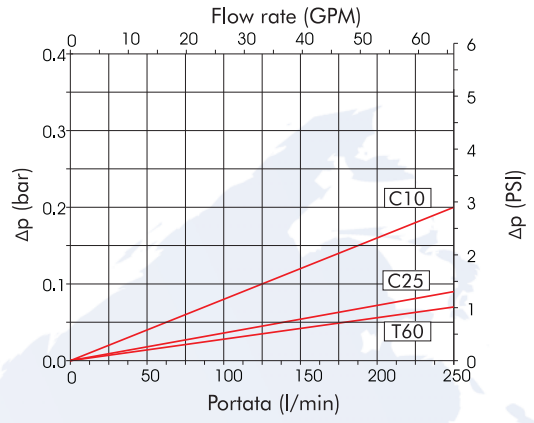
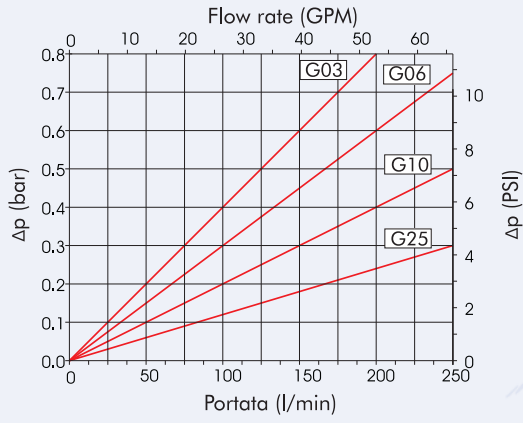
R-7-13



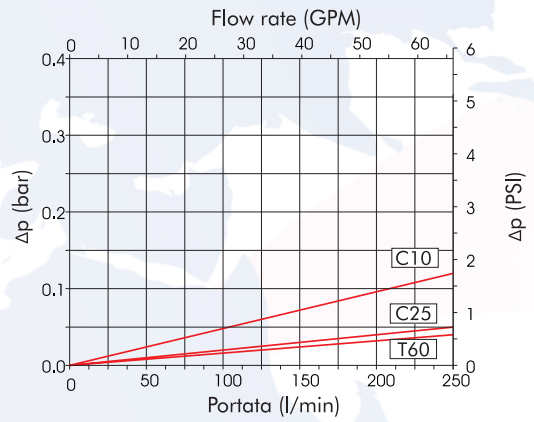
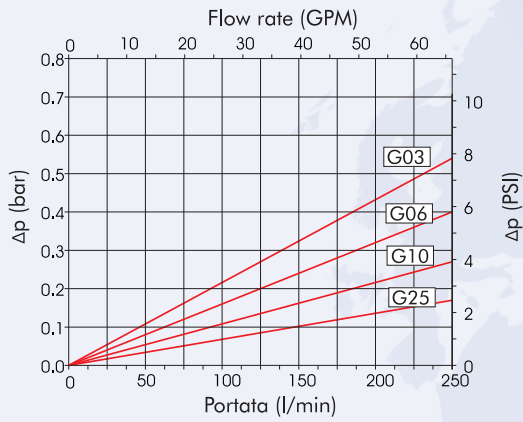
R-7-14



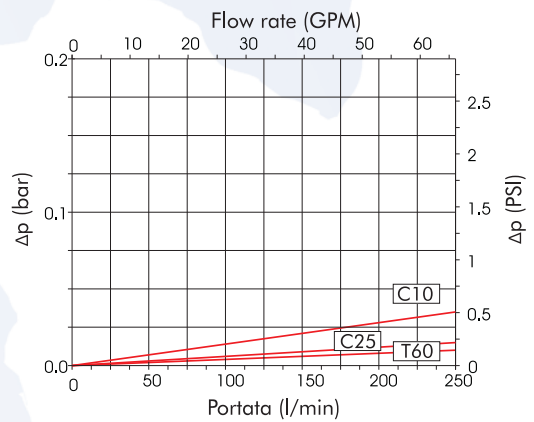
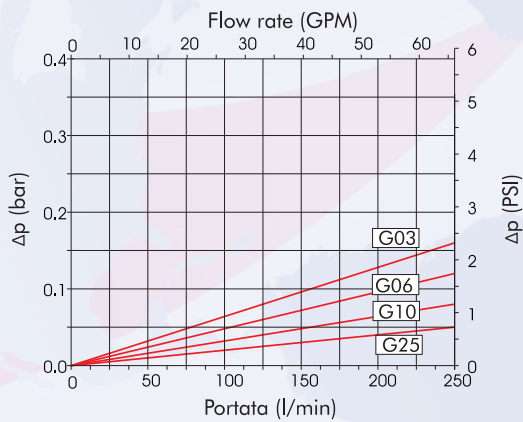
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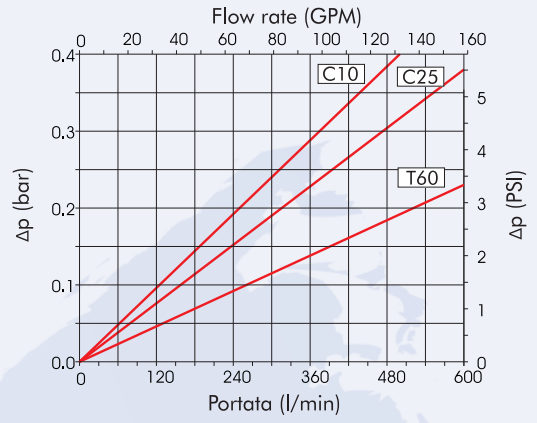
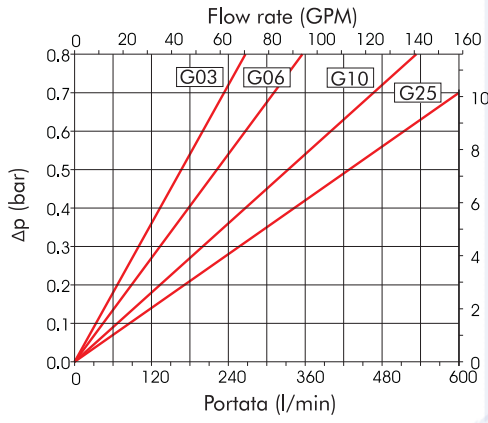
R-7-21



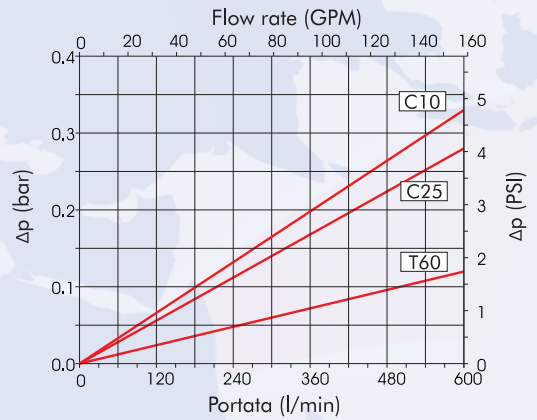
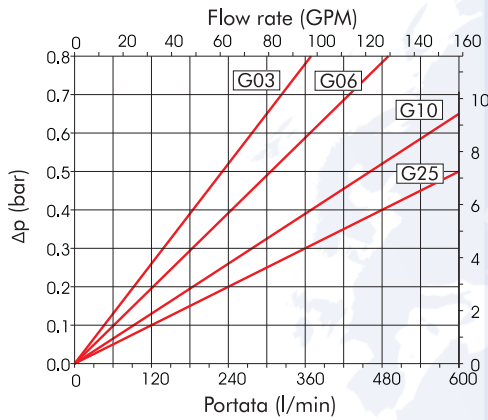
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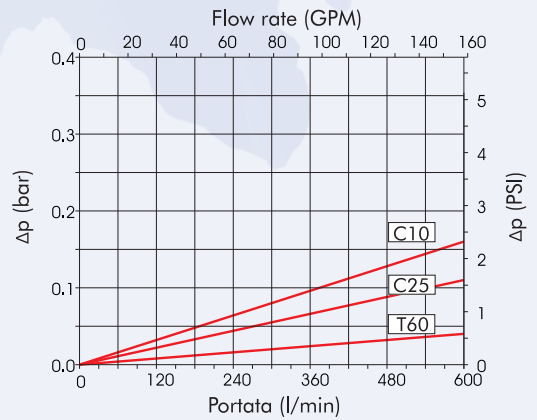
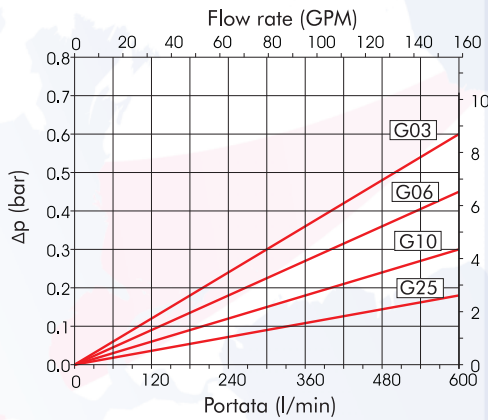
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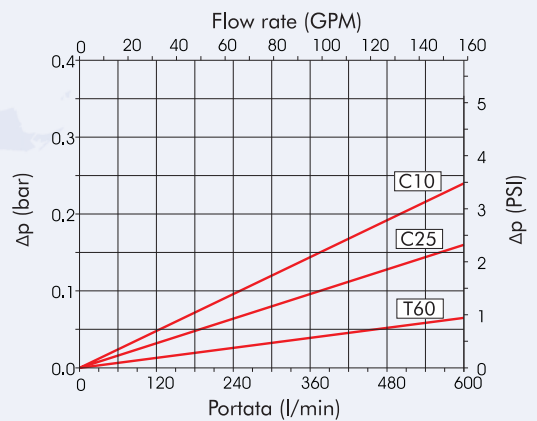
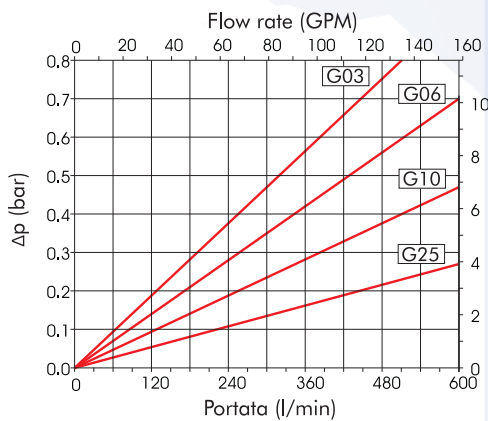
R-7-31



R-7-32



R-7-33





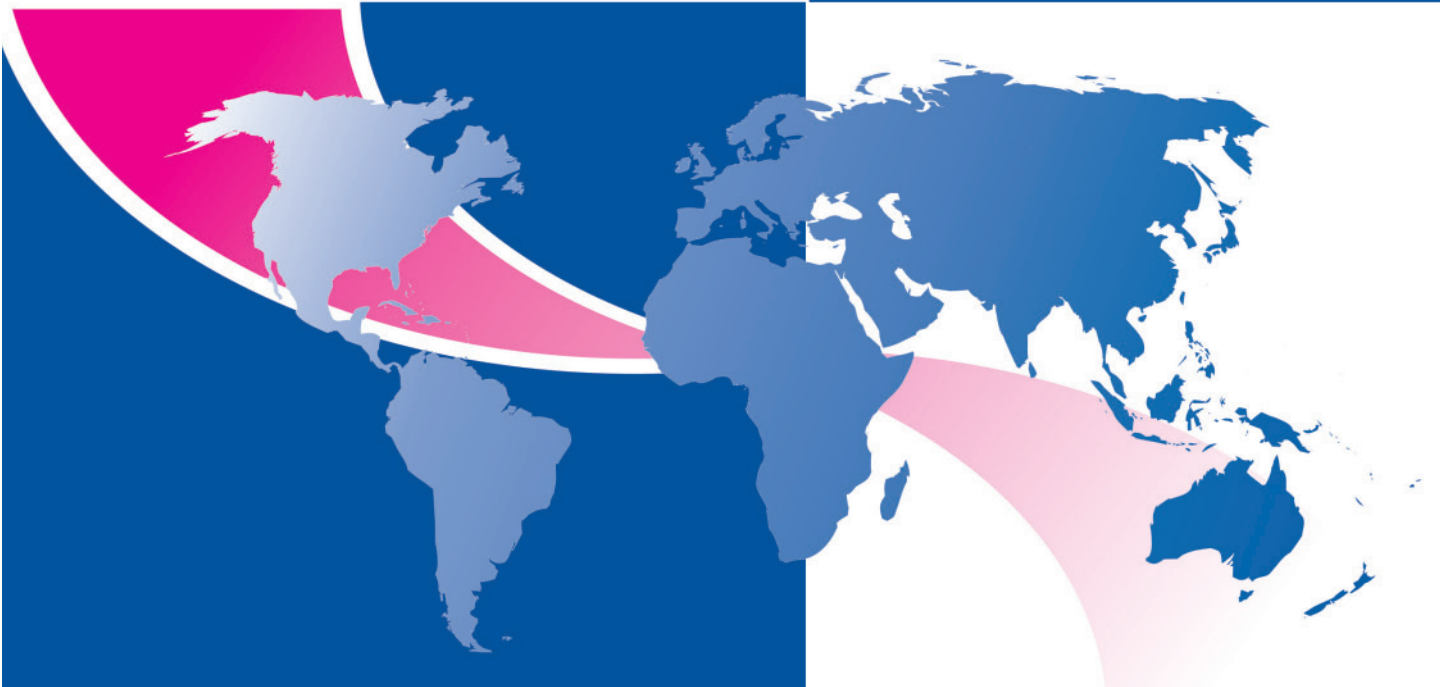
FILTRAZIONE IDRAULICA

HYDRAULIC FILTRATION



FILTREC[®]
Technical Filtration

serie
FVR-7



Serie FVR-7

Filtri sul ritorno Return filter



FILTER HOUSING

Description:

Max flow rate:

Working temperature:

By-pass setting:

Materials:

Fluids compatibility:

Technical Information

In tank mounting design return line with reusable or disposable element.

600 l/min (158 gpm)

-30°C +110°C (-22°F +230°F)

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

- Head: aluminium
- 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.

FILTER ELEMENT

Filter media:

Microglass fiber 3, 6, 10, 25 µm

Cellulose 10, 25 µm

Wire mesh 10, 25, 40, 60, 100, 120 µm

Collapse pressure:

As per ISO 2941: 10 Bar (145 psi)

DESCRIPTION	ORDER CODE	FLOW RATE	PRICE	ELEMENT	PRICE
10 MICRON CELLULOSE					
FVR-7-11-C10-V17-0	ZZ004818	110 L/MIN	£78.08	R711C10	£28.48
FVR-7-12-C10-V17-0	ZZ004819	120 L/MIN	£80.98	R712C10	£30.48
FVR-7-13-C10-V17-0	ZZ004820	200 L/MIN	£87.53	R713C10	£42.58
FVR-7-14-C10-V17-0	ZZ004821	160 L/MIN	£100.64	R714C10	£53.13
FVR-7-20-C10-V17-0	ZZ004822	160 L/MIN	£123.34	R720C10	£48.01
FVR-7-21-C10-V17-0	ZZ004823	220 L/MIN	£127.54	R721C10	£53.25
FVR-7-22-C10-V17-0	ZZ004824	300 L/MIN	£144.90	R722C10	£73.70
FVR-7-30-C10-V17-0	ZZ004825	300 L/MIN	£306.40	R730C10	£56.52
FVR-7-31-C10-V17-0	ZZ004826	400 L/MIN	£314.44	R731C10	£64.69
FVR-7-32-C10-V17-0	ZZ004827	500 L/MIN	£333.98	R732C10	£88.23
FVR-7-33-C10-V17-0	ZZ004828	600 L/MIN	£328.13	R733C10	£79.01
10 MICRON FIBREGLASS					
FVR-7-11-G10-V17-0	ZZ004829	40 L/MIN	£84.60	R711G10	£36.63
FVR-7-12-G10-V17-0	ZZ004830	60 L/MIN	£89.54	R712G10	£41.17
FVR-7-13-G10-V17-0	ZZ004831	70 L/MIN	£99.64	R713G10	£57.72
FVR-7-14-G10-V17-0	ZZ004832	120 L/MIN	£117.79	R714G10	£74.57
FVR-7-20-G10-V17-0	ZZ004833	120 L/MIN	£146.53	R720G10	£77.00
FVR-7-21-G10-V17-0	ZZ004834	140 L/MIN	£156.73	R721G10	£89.75
FVR-7-22-G10-V17-0	ZZ004835	240 L/MIN	£192.22	R722G10	£132.85
FVR-7-30-G10-V17-0	ZZ004836	180 L/MIN	£334.22	R730G10	£91.30
FVR-7-31-G10-V17-0	ZZ004837	200 L/MIN	£352.22	R731G10	£111.94
FVR-7-32-G10-V17-0	ZZ004838	300 L/MIN	£391.02	R732G10	£138.86
FVR-7-33-G10-V17-0	ZZ004839	360 L/MIN	£376.32	R733G10	£139.25
25 MICRON FIBREGLASS					
FVR-7-11-G25-V17-0	ZZ004840	100 L/MIN	£84.60	R711G25	£36.63
FVR-7-12-G25-V17-0	ZZ004841	120 L/MIN	£89.54	R712G25	£41.17
FVR-7-13-G25-V17-0	ZZ004842	180 L/MIN	£99.64	R713G25	£57.72
FVR-7-14-G25-V17-0	ZZ004843	160 L/MIN	£117.79	R714G25	£74.57
FVR-7-20-G25-V17-0	ZZ004844	160 L/MIN	£146.53	R720G25	£77.00
FVR-7-21-G25-V17-0	ZZ004845	200 L/MIN	£156.73	R721G25	£89.75
FVR-7-22-G25-V17-0	ZZ004846	300 L/MIN	£192.22	R722G25	£132.85
FVR-7-30-G25-V17-0	ZZ004847	300 L/MIN	£334.22	R730G25	£91.30
FVR-7-31-G25-V17-0	ZZ004848	360 L/MIN	£352.22	R731G25	£111.94
FVR-7-32-G25-V17-0	ZZ004849	500 L/MIN	£391.02	R732G25	£139.25
FVR-7-33-G25-V17-0	ZZ004850	560 L/MIN	£376.32	R733G25	£139.25

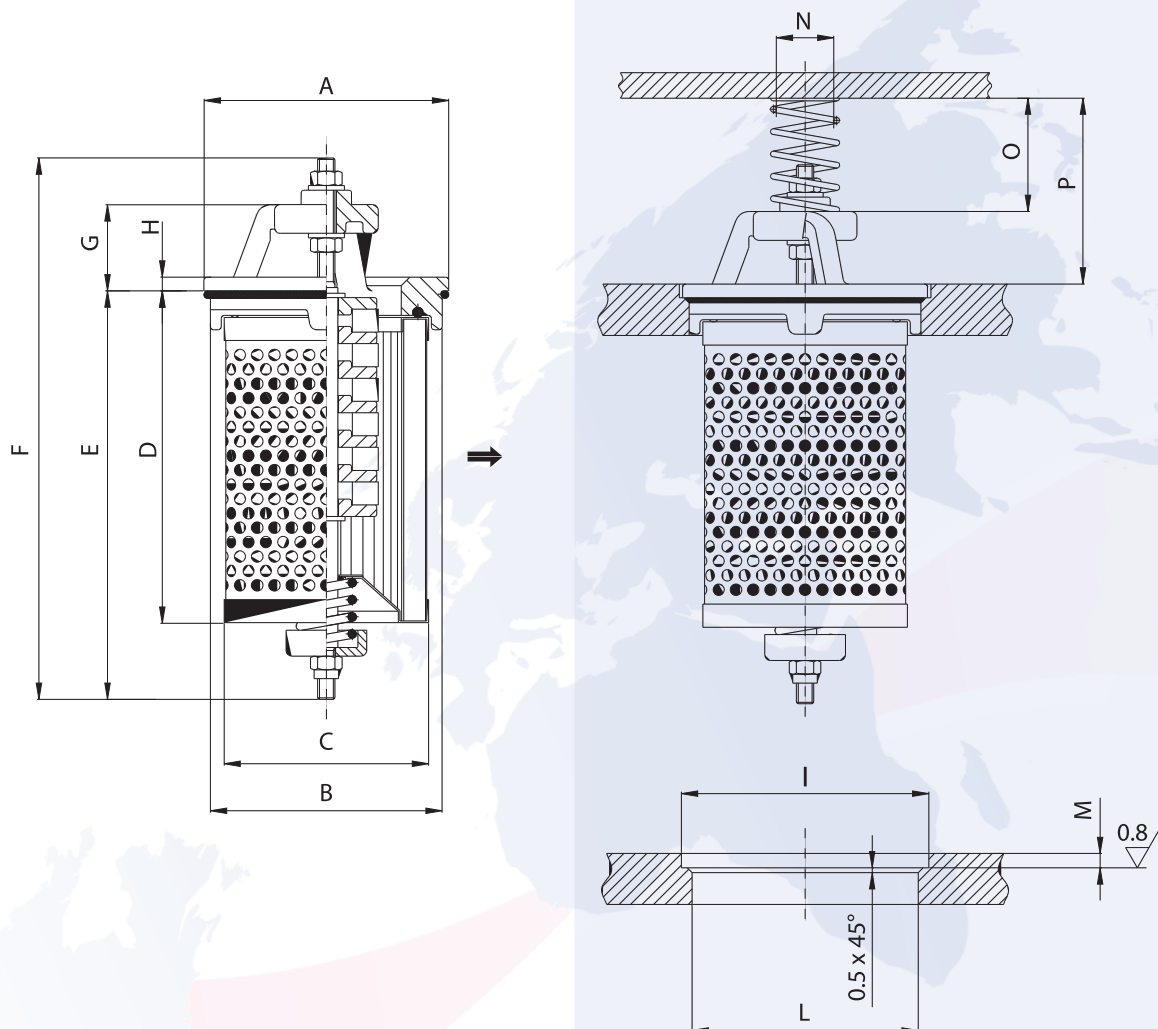
THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERRING TO THE TECHNICAL INFORMATION.

OPTIONAL EXTRAS

VITON SEALS	PRICE
FVR-7-11	£42.15
FVR-7-20	£61.73
FVR-7-30	£80.94

MAGNETS	PRICE
FVR-7-11	£22.85
FVR-7-20	£42.02
FVR-7-30	£60.97

Informazioni dimensionali - Overall dimensions



1) Grandezza nominale - Nominal size

Codice - Code	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Cart. ricambio - Element
FVR-7-11	85	80,5	72	113	145	196	30	4,8	86,5	81,5	7,5	20	39,5	64,5	R-7-11
FVR-7-12	85	80,5	72	158	190	240	30	4,8	86,5	81,5	7,5	20	39,5	64,5	R-7-12
FVR-7-13	85	80,5	72	208	240	290	30	4,8	86,5	81,5	7,5	20	39,5	64,5	R-7-13
FVR-7-14	85	80,5	72	308	340	390	30	4,8	86,5	81,5	7,5	20	39,5	64,5	R-7-14
FVR-7-20	118	111	106	200	246	314	40,5	5,5	119,5	112	9	31	45	80	R-7-20
FVR-7-21	118	111	106	270	316	384	40,5	5,5	119,5	112	9	31	45	80	R-7-21
FVR-7-22	118	111	106	475	521	589	40,5	5,5	119,5	112	9	31	45	80	R-7-22
FVR-7-30	150	138	126	225	275	358	57,5	7	151,5	139	12,5	31	49	100	R-7-30
FVR-7-31	150	138	126	305	355	438	57,5	7	151,5	139	12,5	31	49	100	R-7-31
FVR-7-32	150	138	126	495	545	628	57,5	7	151,5	139	12,5	31	49	100	R-7-32
FVR-7-33	150	138	126	405	455	538	57,5	7	151,5	139	12,5	31	49	100	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	$\beta_{4,5 \mu\text{M (c)}} \geq 1000$
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	$\beta_{25 \mu\text{M (c)}} \geq 2$
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) 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)

5) Colonna magnetica - Magnets

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

Codici per l'ordinazione - Ordering information

Filtro completo
Filter assembly

FVR-7

20

C10

V

V17

M

1*

2*

3*

4*

5*

Cartuccia
Filter element

R-7

20

C10

V

1*

2*

3*

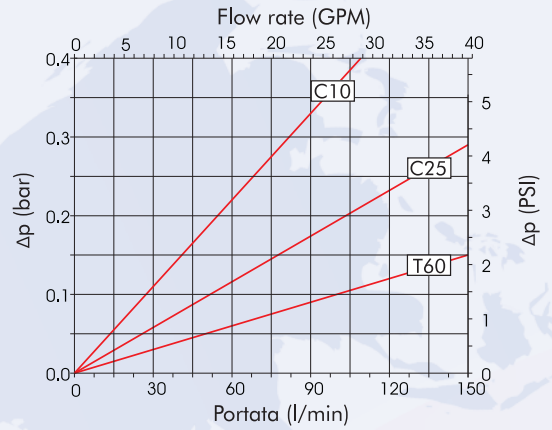
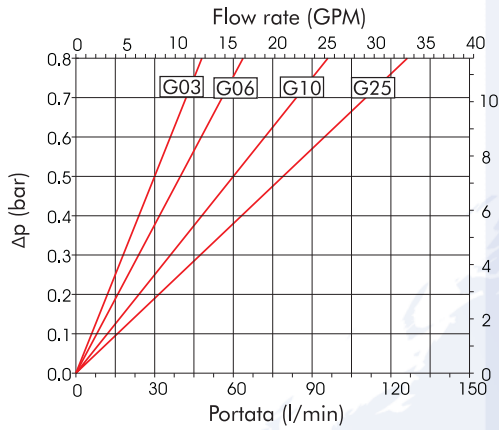
* Viton® è un marchio registrato da DuPont - Viton® is a registered trademark of DuPont
Sono possibili variazioni al catalogo senza preavviso - Catalogue may change without notice

Curve di portata - Pressure drop charts

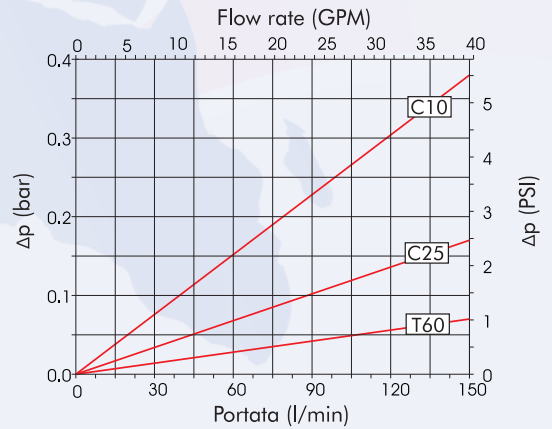
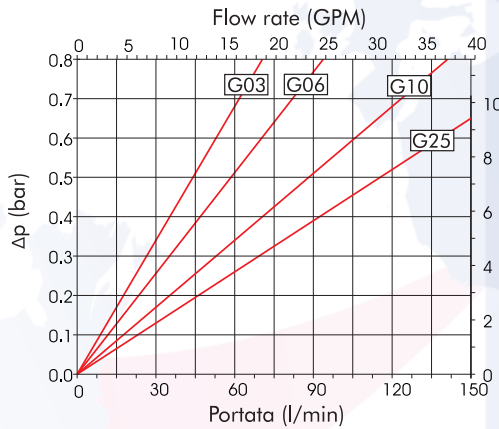
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³. Per viscosità e densità diverse i dati variano.

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.

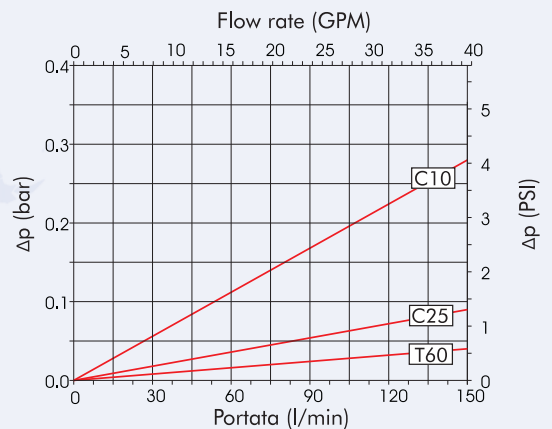
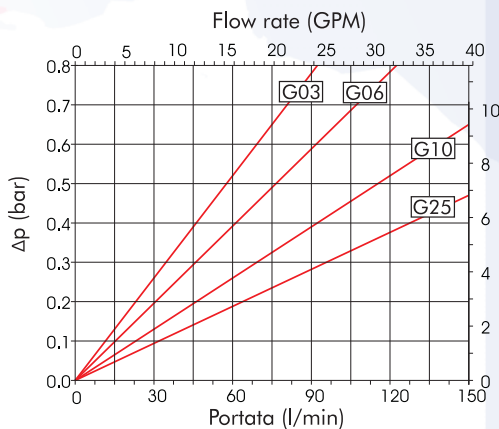
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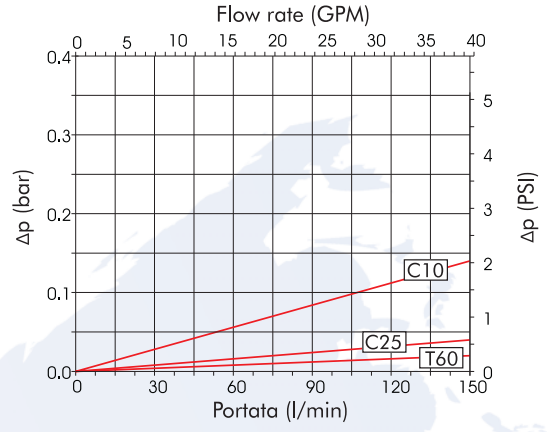
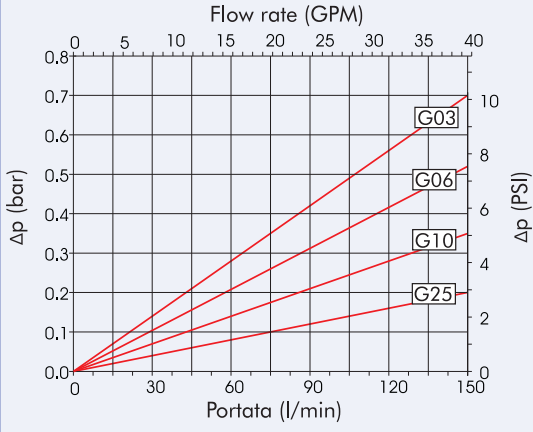
R-7-12



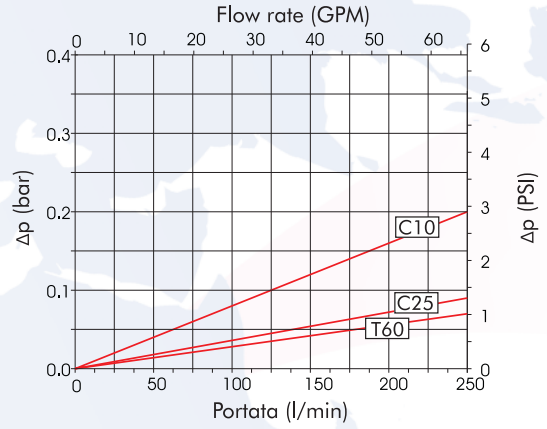
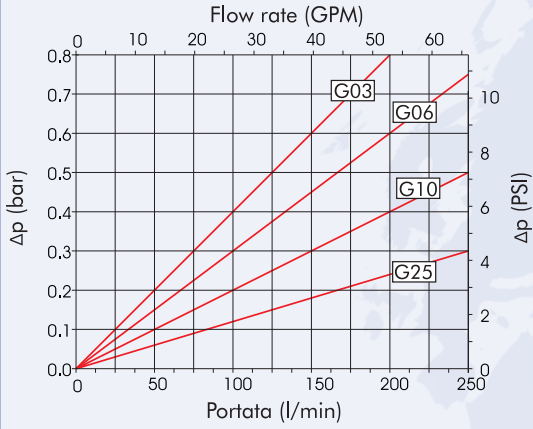
R-7-13



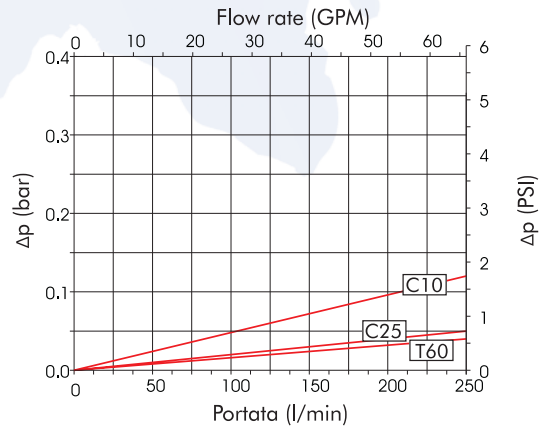
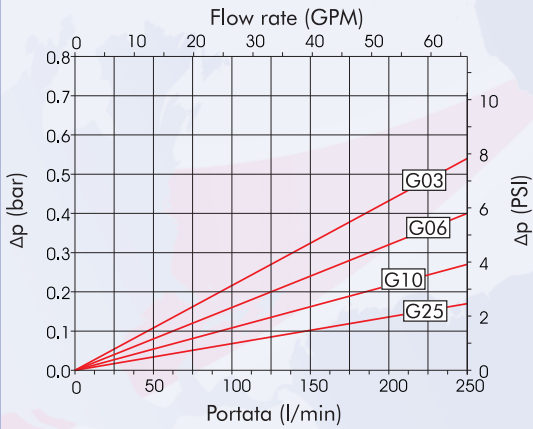
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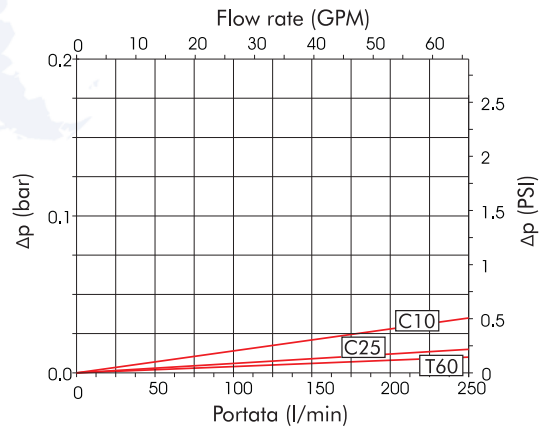
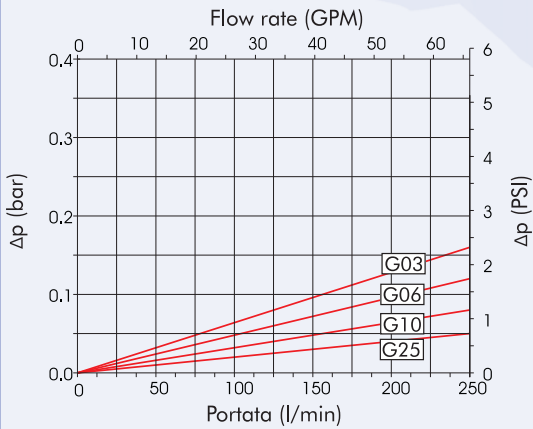
R-7-20



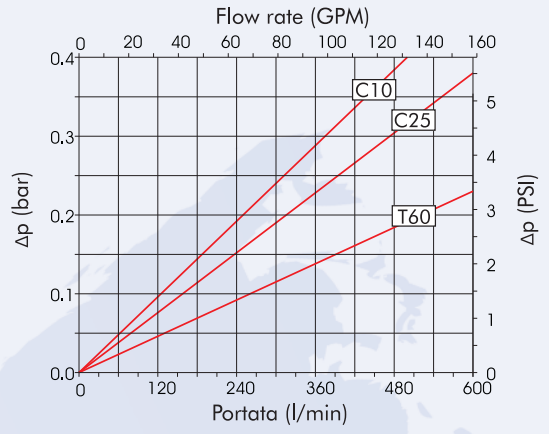
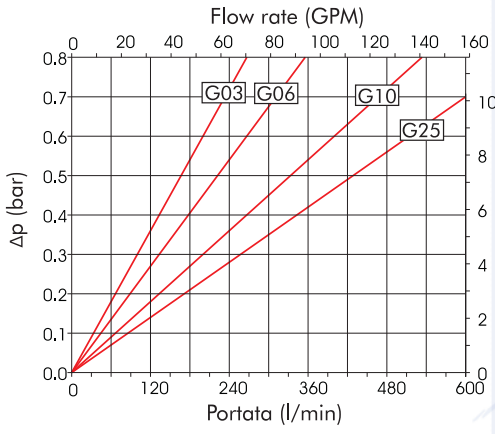
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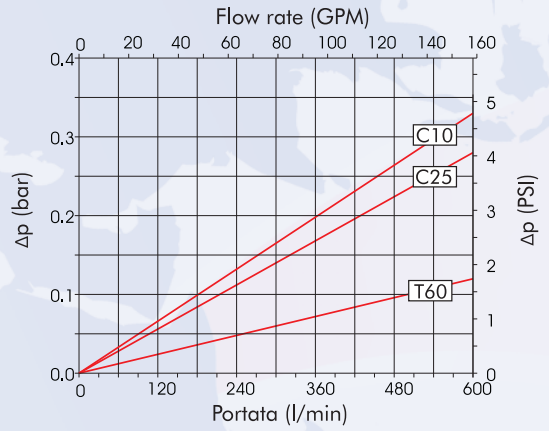
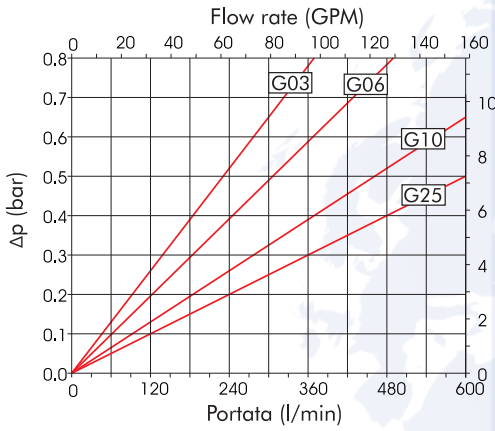
R-7-22



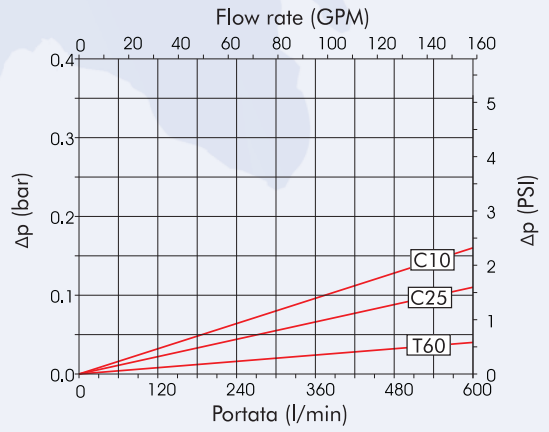
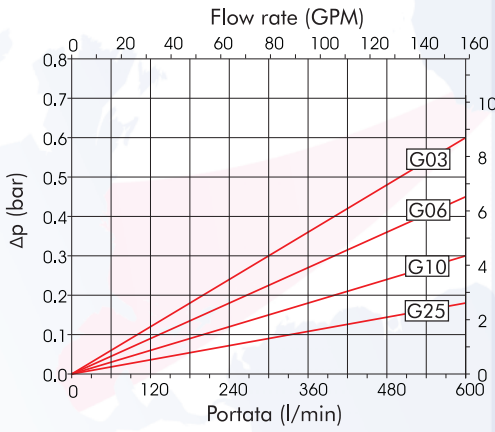
R-7-30



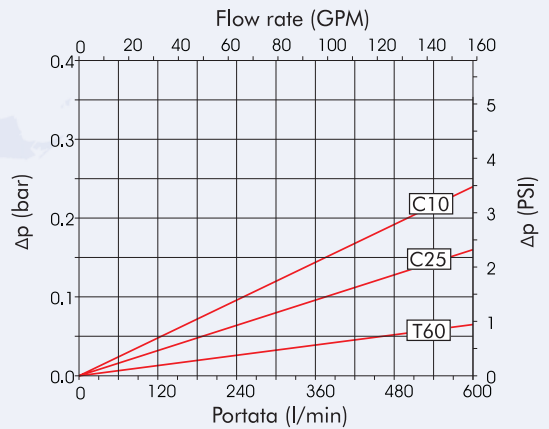
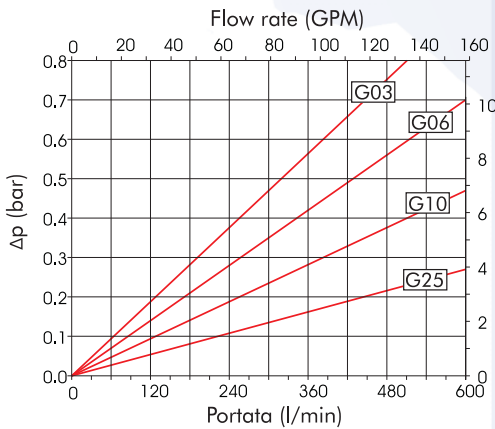
R-7-31



R-7-32



R-7-33



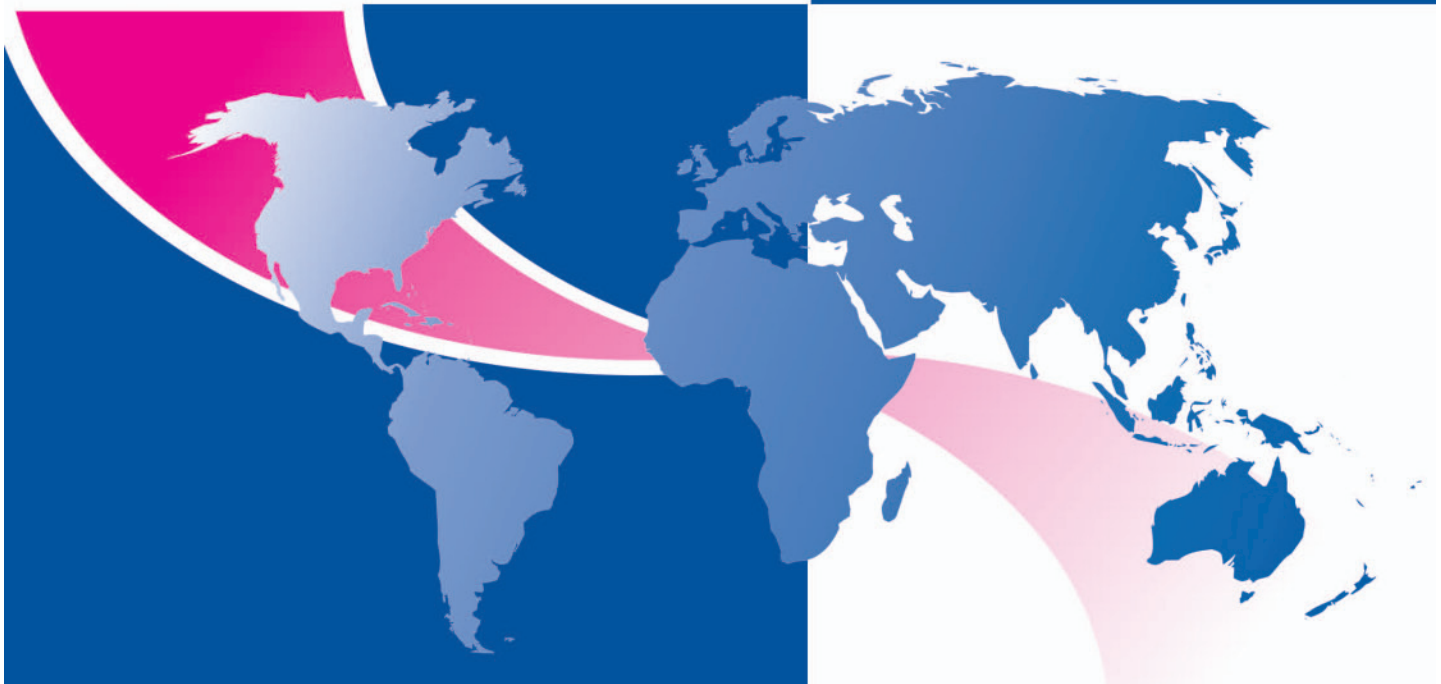


FILTRAZIONE IDRAULICA 
HYDRAULIC FILTRATION 



FILTREC[®]
Technical Filtration

serie
FR-1



50% OFF ALL PRICES

FILTREC – TECHNICAL FILTRATION • 665

Serie FR-1

Filtri sul ritorno Return filter



FILTER HOUSING

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

Fluids compatibility:
 vegetable oils. With other fluid applications please contact Filtrac S.p.A.

Technical Information

Tank top mounting design return line with reusable or disposable element.
 600 l/min (158 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: aluminium
- Head: aluminium
- Bowl: nylon - carbon steel
- Seal: Buna-N / Viton®

ISO 2943: Filter assembly compatible with mineral oils and some synthetic or vegetable oils.

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)

By-pass:

Return line 1,7 Bar (24.6 psi)

DESCRIPTION	ORDER CODE	PORTS	FLOW RATE	PRICE	ELEMENT	PRICE
ALL SUPPLIED WITH R1 INDICATOR ON TOP AS STANDARD						
10 MICRON CELLULOSE						
FR-1-10-C10-B-B2-0-C-R1	ZZ004851	3/8"BSP	16 L/MIN	£33.92	R110C10B	£12.19
FR-1-10-C10-B-B3-0-C-R1	ZZ004852	1/2"BSP	16 L/MIN	£33.92	R110C10B	£12.19
FR-1-10-C10-B-B4-0-C-R1	ZZ004853	3/4"BSP	16 L/MIN	£33.92	R110C10B	£12.19
FR-1-11-C10-B-B2-0-C-R1	ZZ004854	3/8"BSP	20 L/MIN	£42.15	R111C10B	£28.52
FR-1-11-C10-B-B3-0-C-R1	ZZ004855	1/2"BSP	20 L/MIN	£42.15	R111C10B	£28.52
FR-1-11-C10-B-B4-0-C-R1	ZZ004856	3/4"BSP	24 L/MIN	£42.15	R111C10B	£28.52
FR-1-20-C10-B-B3-0-C-R1	ZZ004857	1/2"BSP	40 L/MIN	£39.22	R120C10B	£14.19
FR-1-20-C10-B-B4-0-C-R1	ZZ004858	3/4"BSP	40 L/MIN	£39.22	R120C10B	£14.19
FR-1-22-C10-B-B5-0-C-R1	ZZ004859	1"BSP	65 L/MIN	£42.40	R122C10B	£15.80
FR-1-30-C10-B-B5-0-C-R1	ZZ004860	1"BSP	80 L/MIN	£60.24	R130C10B	£21.20
FR-1-40-C10-B-B7-0-C-R1	ZZ004861	1 1/2"BSP	120 L/MIN	£94.57	R140C10B	£23.85
FR-1-43-C10-B-B7-0-C-R1	ZZ004862	1 1/2"BSP	140 L/MIN	£99.64	R143C10B	£28.62
FR-1-50-C10-B-B8-0-C-R1	ZZ004863	2"BSP	180 L/MIN	£146.88	R150C10B	£27.30
FR-1-51-C10-B-B8-0-C-R1	ZZ004864	2"BSP	240 L/MIN	£164.44	R151C10B	£30.68
FR-1-60-C10-B-B8-0-C-R1	ZZ004865	2"BSP	300 L/MIN	£106.00	R160C10B	£30.68
FR-1-64-C10-B-B8-0-C-R1	ZZ004866	2"BSP	360 L/MIN	£137.80	R164C10B	£40.96
25 MICRON CELLULOSE						
FR-1-10-C25-B-B2-0-C-R1	ZZ004867	3/8"BSP	24 L/MIN	£33.92	R110C25B	£12.19
FR-1-10-C25-B-B3-0-C-R1	ZZ004868	1/2"BSP	30 L/MIN	£33.92	R110C25B	£12.19
FR-1-10-C25-B-B4-0-C-R1	ZZ004869	3/4"BSP	20 L/MIN	£33.92	R110C25B	£12.19
FR-1-11-C25-B-B2-0-C-R1	ZZ004870	3/8"BSP	30 L/MIN	£42.15	R111C25B	£28.52
FR-1-11-C25-B-B3-0-C-R1	ZZ004871	1/2"BSP	36 L/MIN	£42.15	R111C25B	£28.52
FR-1-11-C25-B-B4-0-C-R1	ZZ004872	3/4"BSP	26 L/MIN	£42.15	R111C25B	£28.52
FR-1-20-C25-B-B3-0-C-R1	ZZ004972	1/2"BSP	50 L/MIN	£39.22	R120C25B	£14.19
FR-1-20-C25-B-B4-0-C-R1	ZZ004973	3/4"BSP	40 L/MIN	£39.22	R120C25B	£14.19
FR-1-22-C25-B-B5-0-C-R1	ZZ004974	1"BSP	60 L/MIN	£42.40	R122C25B	£15.80
FR-1-30-C25-B-B5-0-C-R1	ZZ004975	1"BSP	80 L/MIN	£60.24	R130C25B	£21.20
FR-1-40-C25-B-B7-0-C-R1	ZZ004976	1 1/2"BSP	140 L/MIN	£94.57	R140C25B	£23.85
FR-1-43-C25-B-B7-0-C-R1	ZZ004977	1 1/2"BSP	160 L/MIN	£99.64	R143C25B	£34.17
FR-1-50-C25-B-B8-0-C-R1	ZZ004978	2"BSP	260 L/MIN	£146.88	R150C25B	£27.30
FR-1-51-C25-B-B8-0-C-R1	ZZ004979	2"BSP	360 L/MIN	£164.44	R151C25B	£30.68
FR-1-60-C25-B-B8-0-C-R1	ZZ004980	2"BSP	400 L/MIN	£106.00	R160C25B	£30.68
FR-1-64-C25-B-B8-0-C-R1	ZZ004981	2"BSP	450 L/MIN	£137.80	R164C25B	£40.96

THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERRING TO THE TECHNICAL INFORMATION.

OPTIONAL EXTRAS

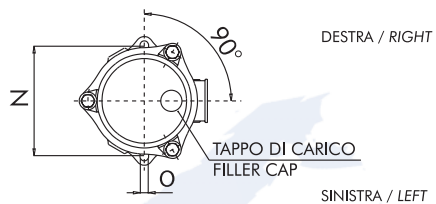
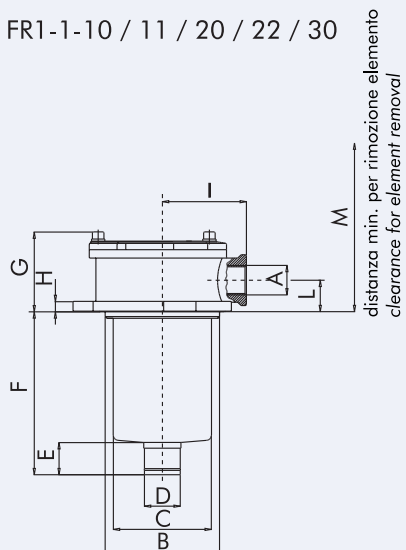
VITON SEALS	PRICE
FR1-10	£5.38
FR1-20/FR1-30	£13.23
FR1-40	£22.39
FR1-50	£55.20
FR1-60	£55.20
FILLER CAPS - BUNA	
FR1-10	£7.42

FR1-20/FR1-30	£7.84
FR1-40	£8.44
FR1-50	£20.14
FR1-60	£20.14
FILLER CAPS - VITON	
FR1-10/1-20/1-30	£9.24
FR1-40	£10.26
FR1-50/1-60	£24.89

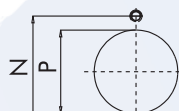
INDICATORS	PRICE
R2	£27.98
R3	£27.56
R6	£34.60
R7	£9.67

Informazioni dimensionali - Overall dimensions

FR1-1-10 / 11 / 20 / 22 / 30

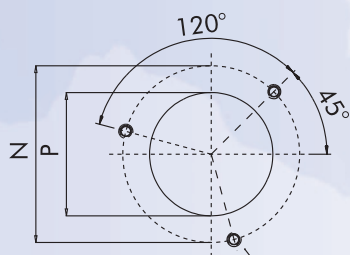
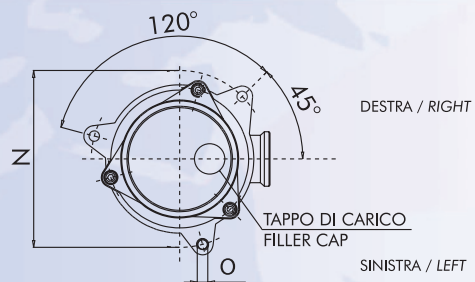
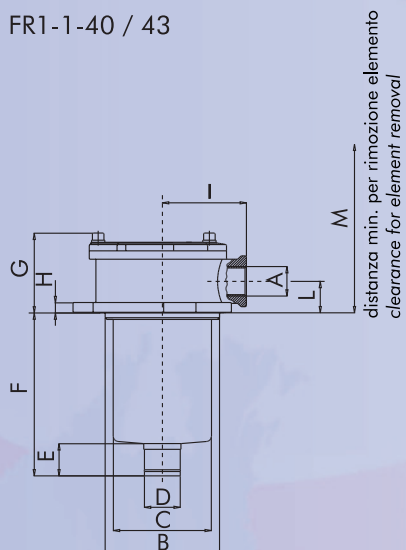


FORATURA SERBATOIO
TANK HOLE DIMENSIONS



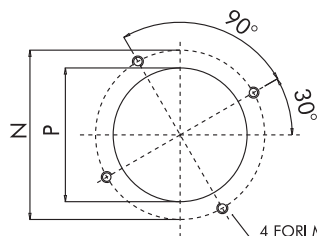
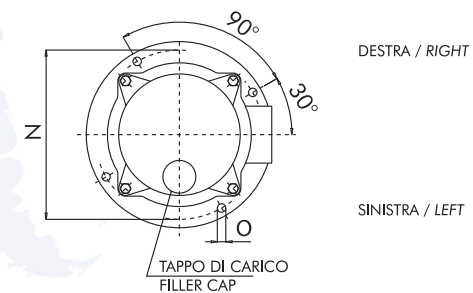
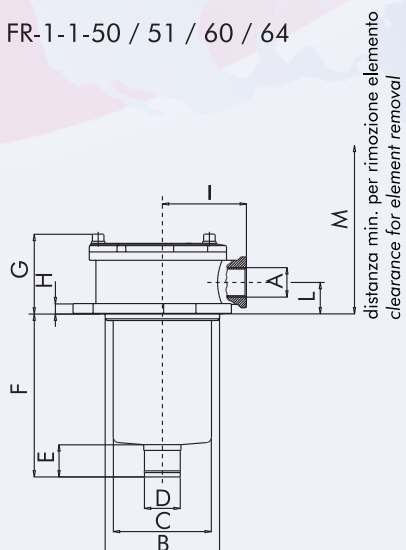
2 FORI M6 PER SERIE FR-1-10 / 11
2 FORI M8 PER SERIE FR-1-20 / 22 / 30
2 M6 THREAD HOLES FOR FR-1-10/11 SERIE
2 M8 THREAD HOLES FOR FR1-20/22/30 SERIE

FR1-1-40 / 43



3 FORI M10
3 M10 THREAD HOLES

FR-1-1-50 / 51 / 60 / 64



4 FORI M10
4 M10 THREAD HOLES

1) Grandezza nominale - Nominal size

Codice - Code	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Cort. ricambio - Element
FR-1-10	3/8" - 1/2" - 3/4" BSP 3/8" - 1/2" - 3/4" NPT 9/16" - 18 UNF - SAE J514b	66,5	62	24	22	83	54	8	51	20,5	150	89±1	7	67,5	R-1-10
FR-1-11	3/4"-16 UNF - SAE J514b 1 1/16"-12 UN-SAE J514b	66,5	62	24	22	152	54	8	51	20,5	220	89±1	7	67,5	R-1-11
FR-1-20	1/2" - 3/4" BSP 1/2" - 3/4" NPT 3/4"-16 UNF - SAE J514b 1 1/16"-12 UN-SAE J514b	87,5	80	27,5	27	106	73	11	67	28,5	190	115±1	8,5	88,5	R-1-20
FR-1-22	3/4" - 1" BSP 3/4" - 1" NPT	87,5	80	27,5	27	151	73	11	67	28,5	230	115±1	8,5	88,5	R-1-22
FR-1-30	1 1/16"-12 UN-SAE J514b 1 5/16"-12 UN-SAE J514b	87,5	80	40	29	232	73	11	67	28,5	310	115±1	8,5	88,5	R-1-30
FR-1-40	1" - 1 1/4"- 1 1/2" BSP 1" - 1 1/4"- 1 1/2" NPT	129	111	40	36	230	87	11	95	35,5	320	175	11	130	R-1-40
FR-1-43	1 5/16"-12 UN-SAE J514b 1 5/8"-12 UN-SAE J514b 1 7/8"-12 UN-SAE J514b	129	111	40	36	273	87	11	95	35,5	360	175	11	130	R-1-43
FR-1-50	1 1/4" - 1 1/2" - 2" BSP 1 1/4" - 1 1/2" - 2" NPT	174	151	50	41	171	108	11	119	41	270	220	11	175	R-1-50
FR-1-51	1 5/8"-12 UN-SAE J514b	174	151	50	41	238	108	11	119	41	340	220	11	175	R-1-51
FR-1-60	1 7/8"-12 UN-SAE J514b 2 1/2"-12 UN-SAE J514b	174	151	64	41	238	108	11	119	41	340	220	11	175	R-1-60
FR-1-64	1 1/2" - 2" BSP 1 1/2" - 2" NPT 1 7/8"-12 UN-SAE J514b 2 1/2"-12 UN-SAE J514b	174	151	64	41	298	108	11	119	41	380	220	11	175	R-1-64

2) 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	-----

3) Guarnizioni - Seals

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

4) Connesioni - Connection port

Codice - Code	Connesione - Connection
B2	3/8" BSP
B3	1/2" BSP
B4	3/4" BSP
B5	1" BSP
B6	1 1/4" BSP
B7	1 1/2" BSP
B8	2" BSP
N2	3/8" NPT
N3	1/2" NPT
N4	3/4" NPT
N5	1" NPT
N6	1 1/4" NPT
N7	1 1/2" NPT
N8	2" 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
R7	1 7/8" - 12 UN-2B SAE J514b
R8	2 1/2" - 12 UN-2B SAE J514b

5) Tappo di carico - Filler cap

Codice - Code	Tipo - Type
0	senza / without
T	con / with

6) Posizione indicatore Indicator position

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

* Non disponibile per FR-1-10 con tappo di carico

* Not available for FR-1-10 with filler cap

** Non disponibile per FR-1-1x ed FR-1-4x

** Not available for FR-1-1x and FR-1-4x

7) 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 18,85 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-1

20	C10	B	V	B3	T	C	R1
1*	2*		3*	4*	5*	6*	7*

Cartuccia
Filter element

R-1

20	C10	B	V
1*	2*		3*

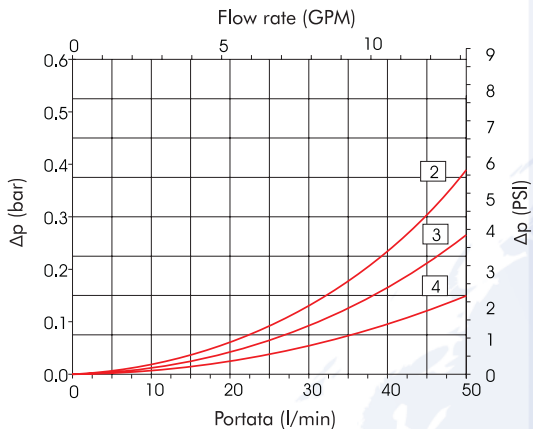
* Viton® è un marchio registrato da DuPont - Viton® is a registered trademark of DuPont
Sono possibili variazioni al catalogo senza preavviso - Catalogue may change without notice

Curve di portata - Pressure drop charts

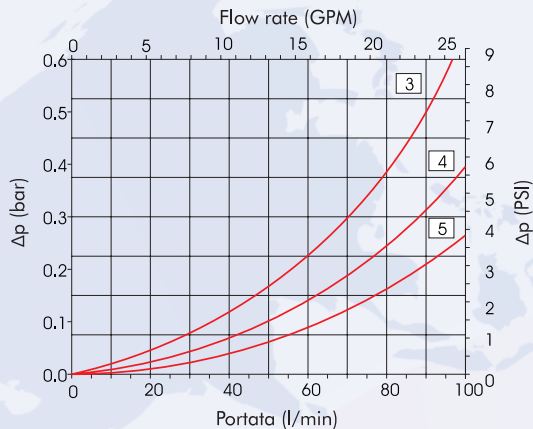
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³. Per viscosità e densità diverse i dati variano. Il numero relativo alla curva di portata è riferito all'attacco del filtro; es.: 2 indica attacco B2 o N2.

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.

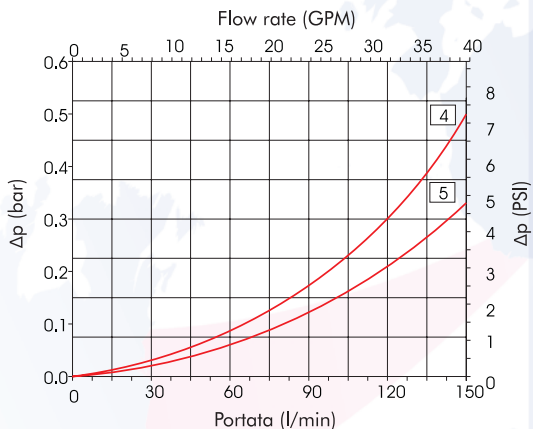
FR-1-10 / 11



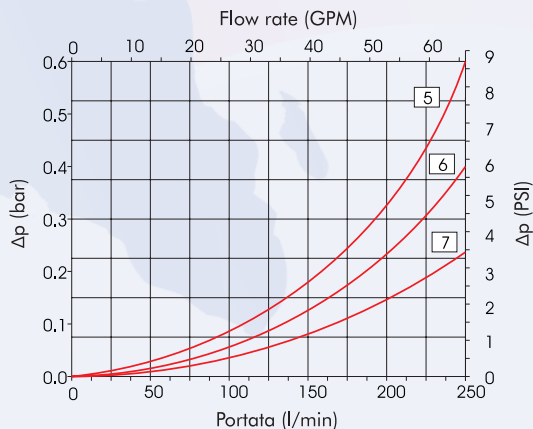
FR-1-20 / 22



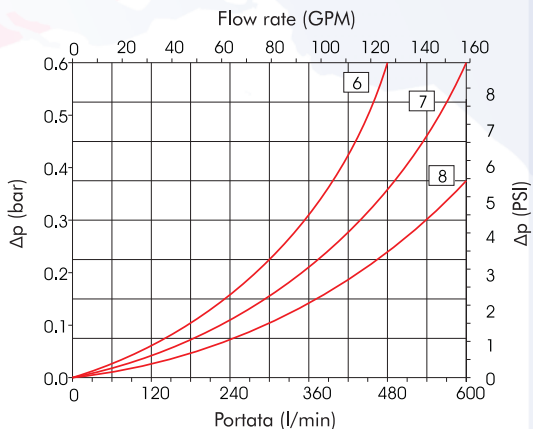
FR-1-30



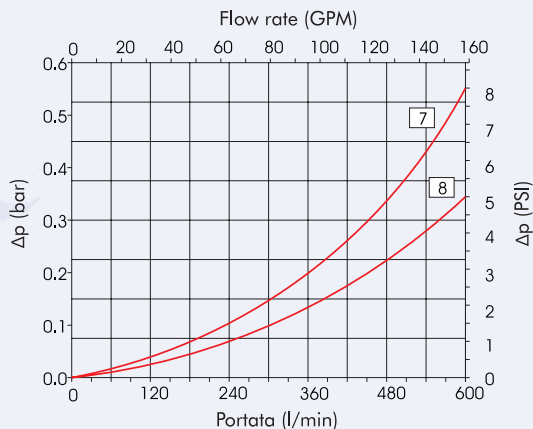
FR-1-40 / 43



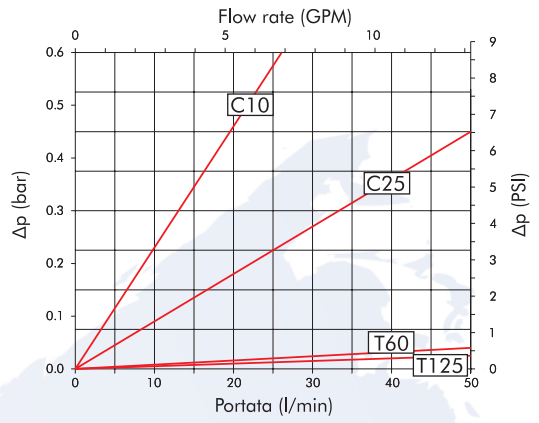
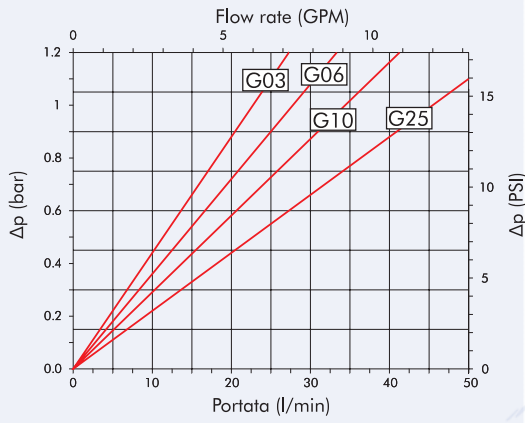
FR-1-50 / 51 / 60



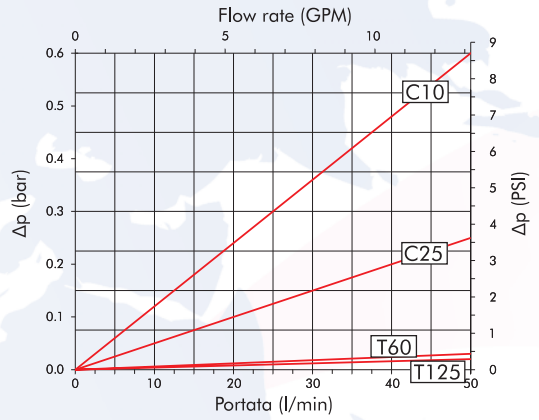
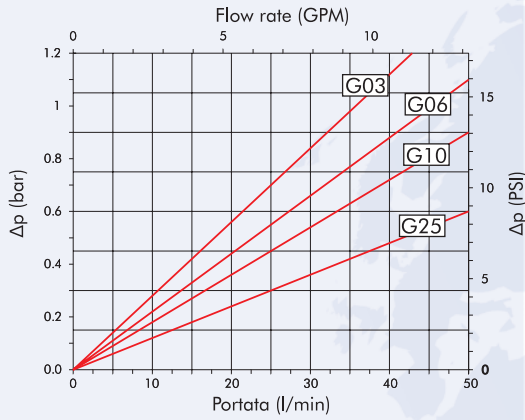
FR-1-64



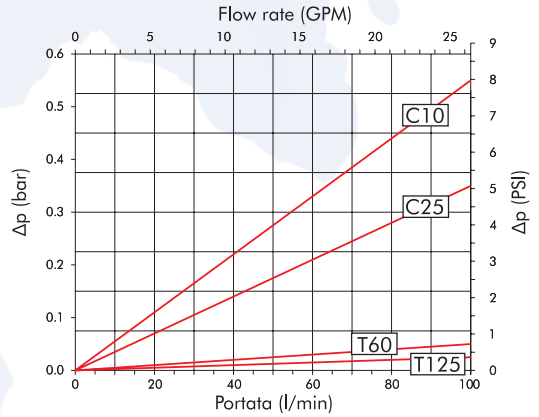
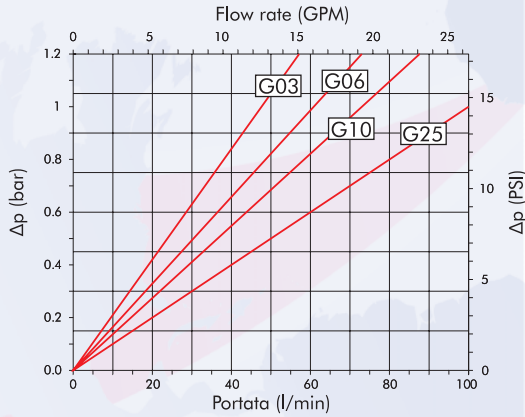
R-1-10



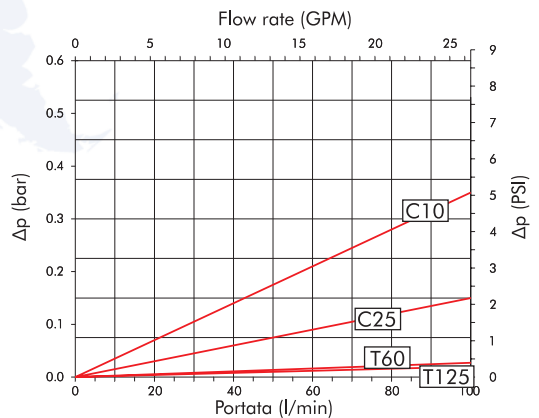
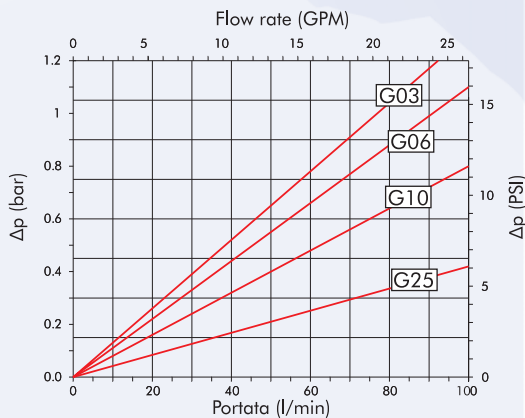
R-1-11



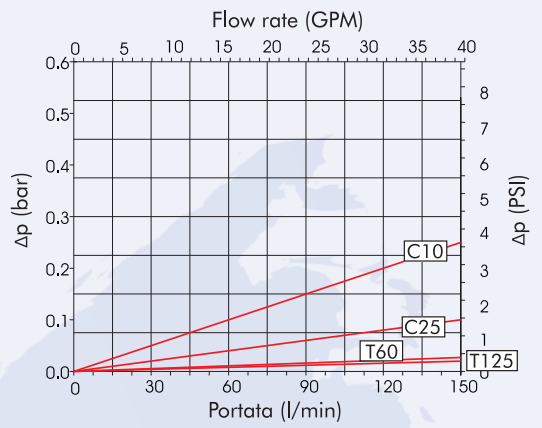
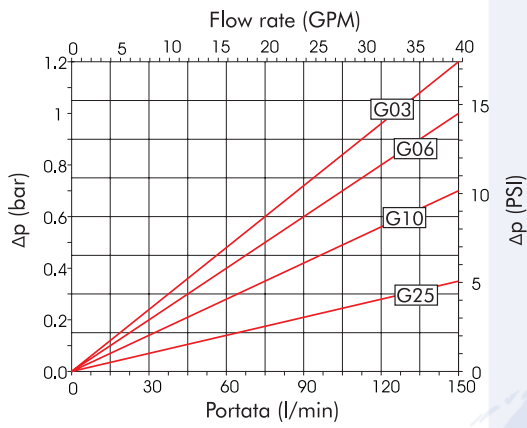
R-1-20



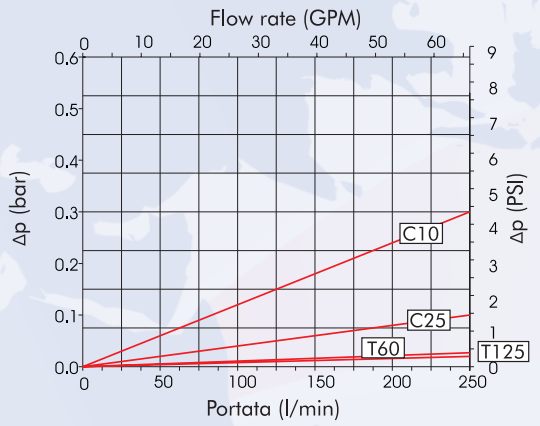
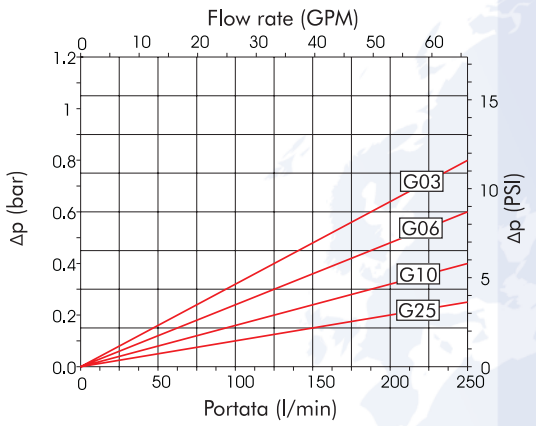
R-1-22



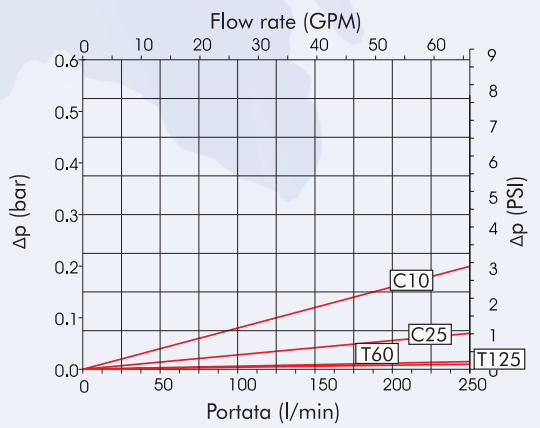
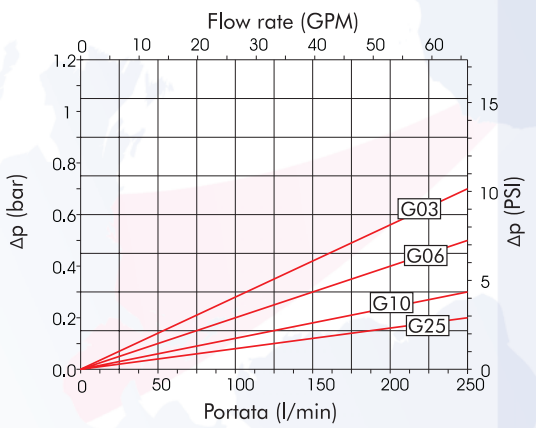
R-1-30



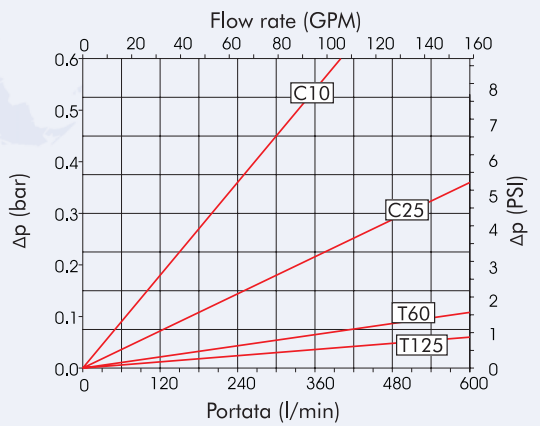
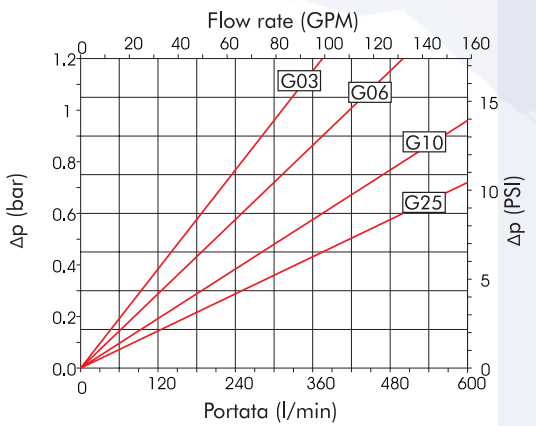
R-1-40



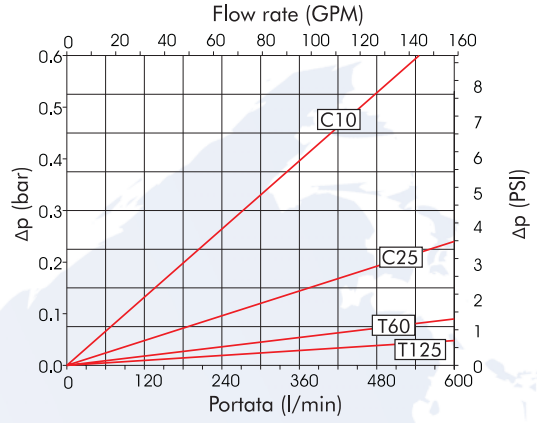
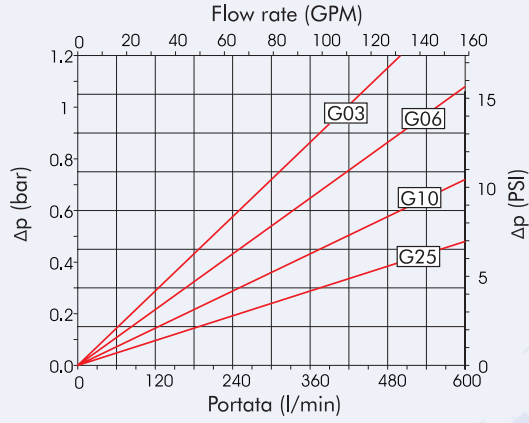
R-1-43



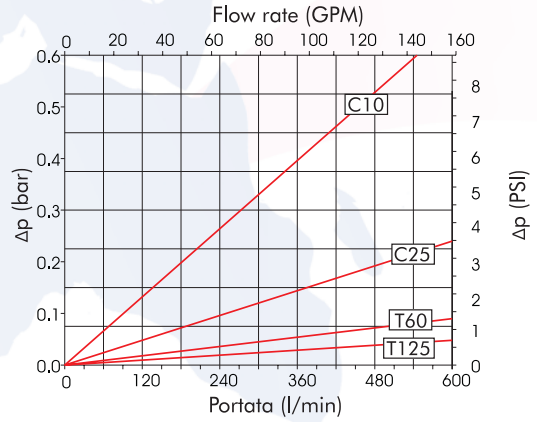
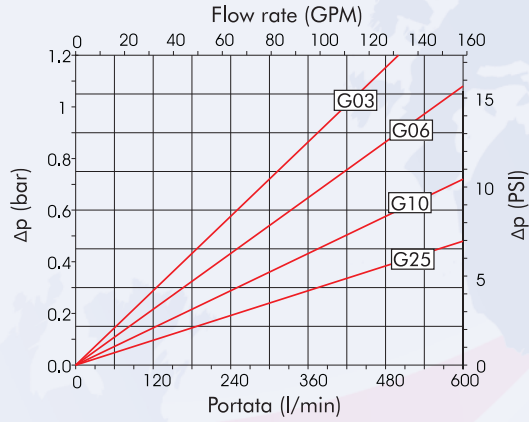
R-1-50



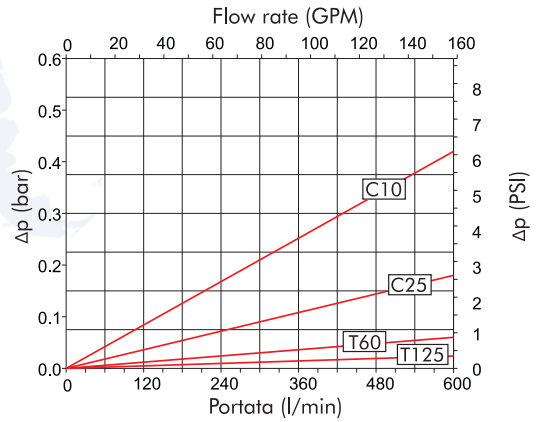
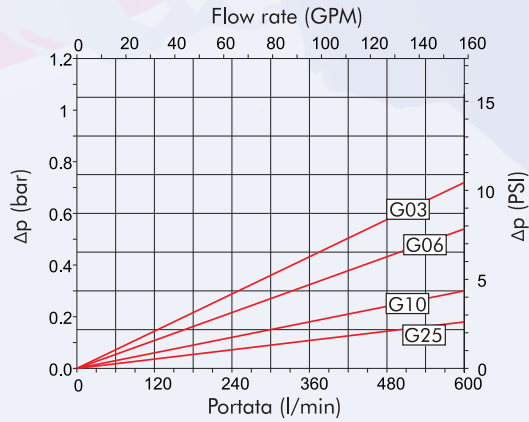
R-1-51



R-1-60



R-1-64



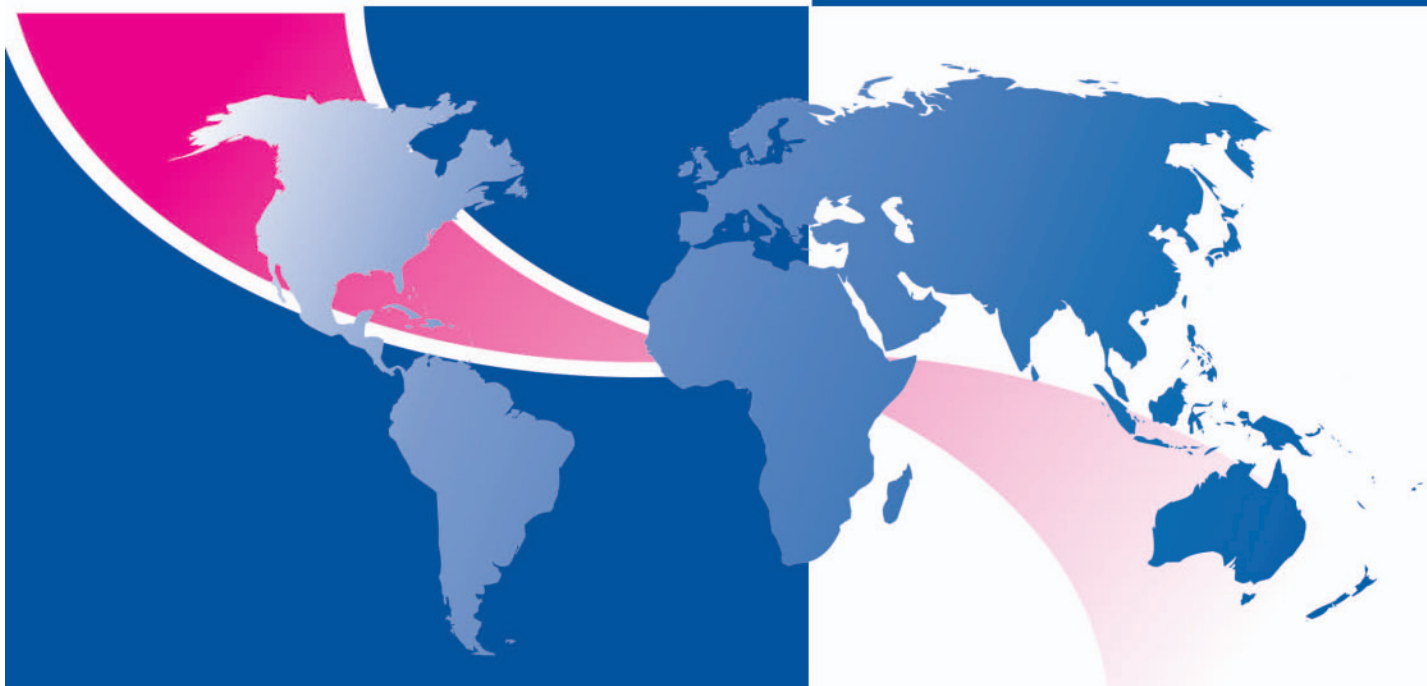


FILTRAZIONE IDRAULICA  
HYDRAULIC FILTRATION



FILTREC[®]
Technical Filtration

serie
FR-8



Serie FR-8

Filtri sul ritorno Return filter



FILTER HOUSING

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

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

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®

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)
By-pass:
 Return line 1,7 Bar (24.6 psi)

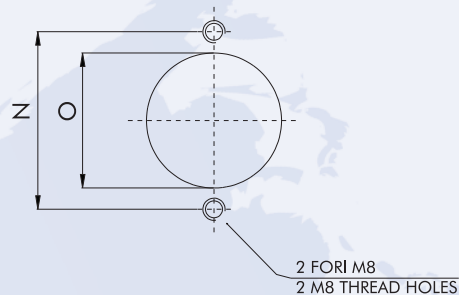
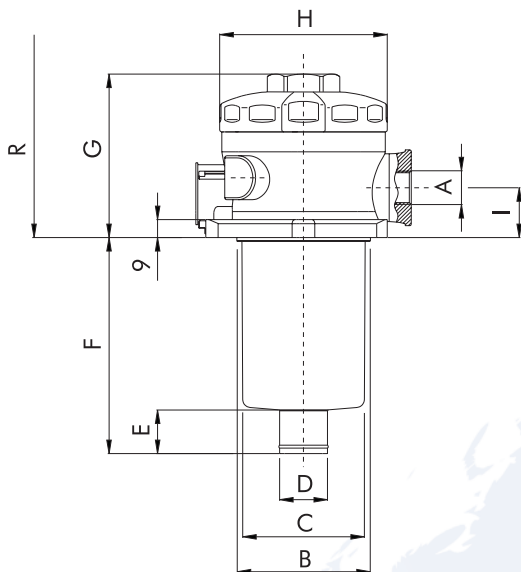
DESCRIPTION	ORDER CODE	PORTS	FLOW RATE	PRICE	ELEMENT	PRICE
ALL WITH AIR BREATHER AS STANDARD - R1 INDICATOR ON TOP						
10 MICRON CELLULOSE						
FR-8-10-C10-B-B4-O-10-C-R1	ZZ004873	3/4" BSP	16 L/MIN	£82.21	R110C10B	£12.19
FR-8-11-C10-B-B4-O-10-C-R1	ZZ004874	3/4" BSP	24 L/MIN	£95.28	R111C10B	£28.52
FR-8-20-C10-B-B6-O-10-C-R1	ZZ004875	1 1/4" BSP	50 L/MIN	£111.17	R120C10B	£14.19
FR-8-22-C10-B-B6-O-10-C-R1	ZZ004876	1 1/4" BSP	80 L/MIN	£113.97	R122C10B	£15.80
FR-8-30-C10-B-B6-O-10-C-R1	ZZ004877	1 1/4" BSP	120 L/MIN	£128.76	R130C10B	£21.20
25 MICRON CELLULOSE						
FR-8-10-C25-B-B4-O-10-C-R1	ZZ004878	3/4" BSP	32 L/MIN	£82.21	R110C25B	£12.19
FR-8-11-C25-B-B4-O-10-C-R1	ZZ004879	3/4" BSP	48 L/MIN	£95.28	R111C25B	£28.52
FR-8-20-C25-B-B6-O-10-C-R1	ZZ004880	1 1/4" BSP	80 L/MIN	£111.17	R120C25B	£14.19
FR-8-22-C25-B-B6-O-10-C-R1	ZZ004881	1 1/4" BSP	100 L/MIN	£113.97	R122C25B	£15.80
FR-8-30-C25-B-B6-O-10-C-R1	ZZ004882	1 1/4" BSP	140 L/MIN	£128.77	R130C25B	£27.13

THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERRING TO THE TECHNICAL INFORMATION.

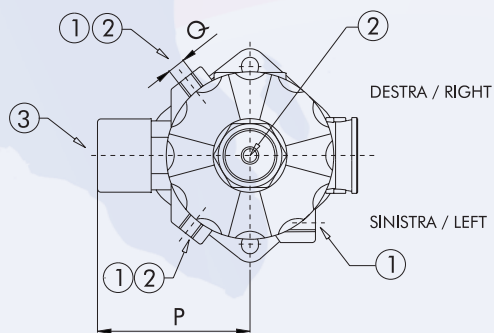
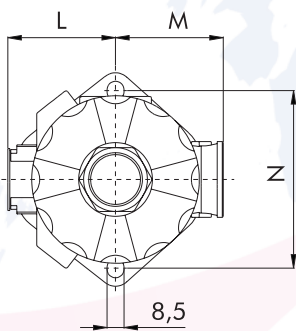
OPTIONAL EXTRAS

	PRICE
VITON SEALS	
FR-8-10 SERIES	£25.91
FR-8-20 & 8-30 SERIES	£9.94
SECONDARY PORT	
FR-8-10 SERIES	
FR-8-20 & 8-30 SERIES	£4.58
INDICATOR POSITION	
OPTIONS C,D & S	£5.13
INDICATORS	
R2 PRESSURE SWITCH O.C 1.3 BAR 18.85 O.C	£27.98
R3 PRESSURE SWITCH C.C 1,3 BAR 18.85 PSI C.C	£27.56
R6 VISUUAL PRESSURE 1.2 BAR 17.4 PSI	£34.60
R7 PRESSURE VACUUM GAUGE -1 - 5 BAR -14.5-72.5 PSI	£9.67

Informazioni dimensionali - Overall dimensions



- ① POSIZIONE INGRESSO SECONDARIO (Q)
SECOND PORT OPTION (Q)
- ② POSIZIONE INDICATORE
INDICATOR PORT 1/8" BSP
- 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	R	Cart. ricambio Element
FR-8-10	3/8" - 1/2" - 3/4" BSP	67	62	24	23	79	81	84	25	55	54	89 ± 1	68	73	---	150	R-1-10
	3/8" - 1/2" - 3/4" NPT																
FR-8-11	9/16"-18 UNF - SAE J514b	67	62	24	23	148	81	84	25	55	54	89 ± 1	68	73	---	220	R-1-11
	3/4"-16 UNF - SAE J514b 1 1/16"-12 UN-SAE J514b																
FR-8-20	1/2" - 3/4" - 1" - 1 1/4" BSP	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	190	R-1-20
	3/4"-16 UNF - SAE J514b																
FR-8-22	1 1/16"-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	230	R-1-22
	1 5/8"-12 UN-SAE J514b																
FR-8-30	3/4" - 1" - 1 1/4" BSP	86	80,5	40	30	229	107	110	40	67	68	115 ± 1	87	94	3/8" - 1/2" NPT	310	R-1-30
	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																

2) 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	-----

3) Guarnizioni - Seals

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

4) Connesioni - 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 18,85 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*

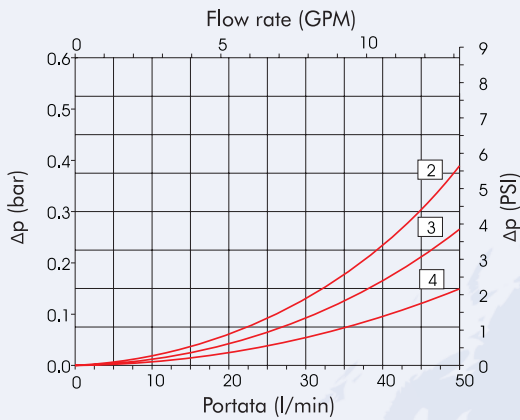
* Viton® è un marchio registrato da DuPont - Viton® is a registered trademark of DuPont
Sono possibili variazioni al catalogo senza preavviso - Catalogue may change without notice

Curve di portata - Pressure drop charts

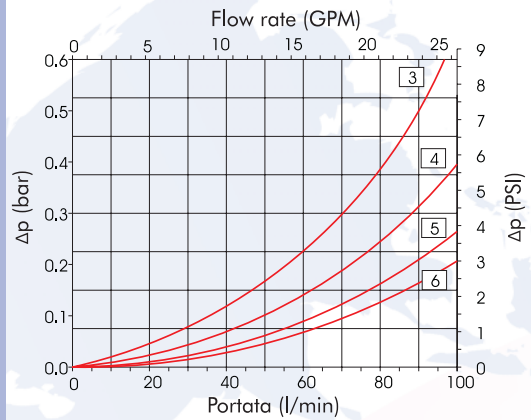
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³. Per viscosità e densità diverse i dati variano. Il numero relativo alla curva di portata è riferito all'attacco del filtro; es.: 2 indica attacco B2 o N2.

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.

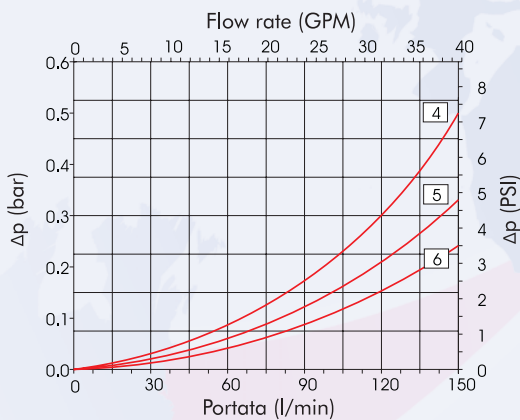
FR-8-10 / 11



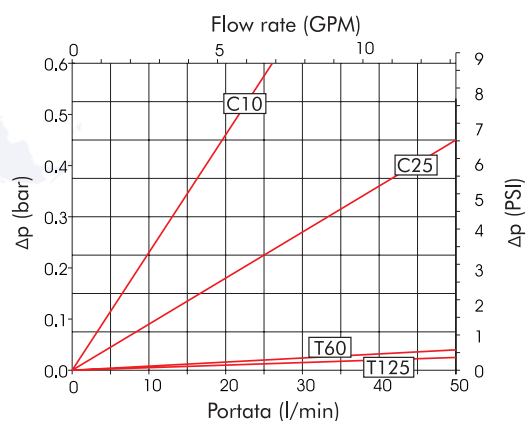
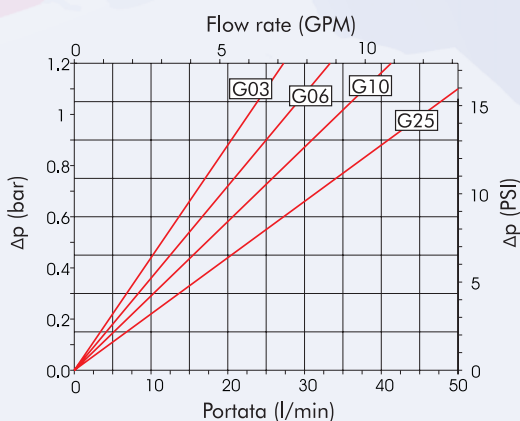
FR-8-20 / 22



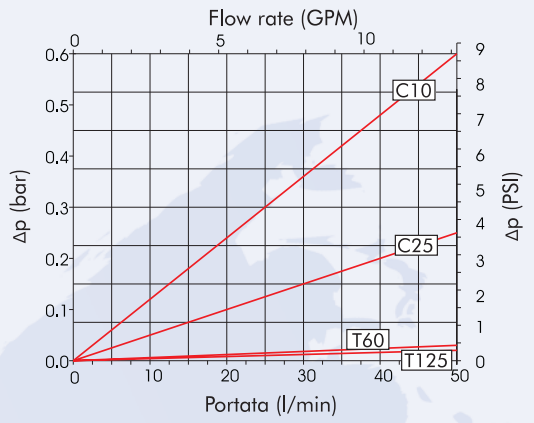
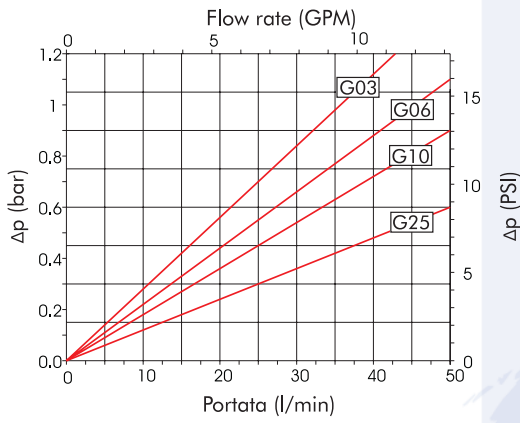
FR-8-30



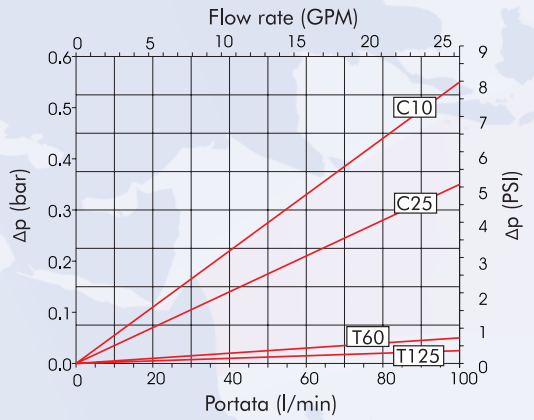
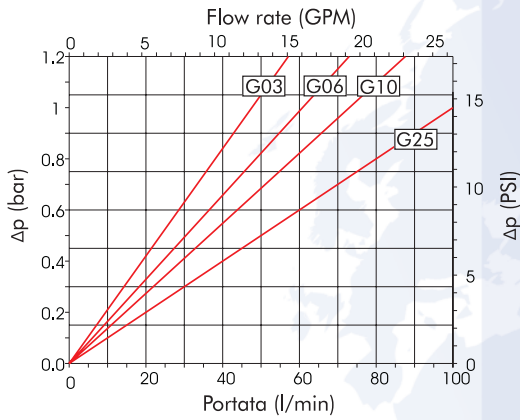
R-1-10



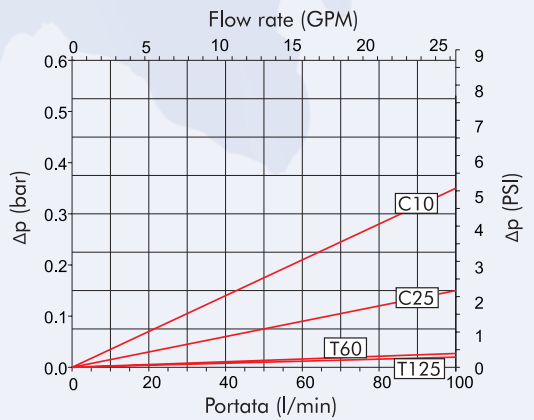
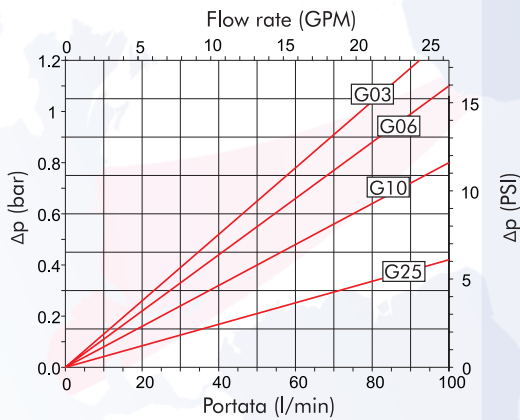
R-1-11



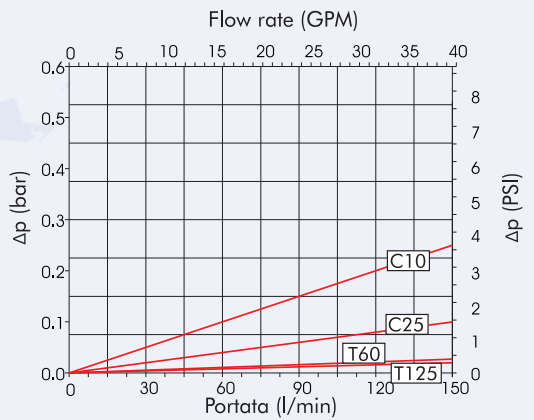
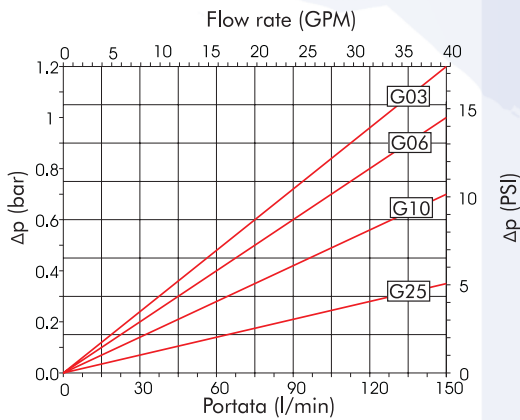
R-1-20



R-1-22



R-1-30







FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION



FILTREC[®]
 Technical Filtration

serie
FA-4



Serie FA-4

Filtri avvitabili Spin-on filter



FILTER HOUSING

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

Fluids compatibility:

FILTER ELEMENT

Filter media:

Collapse pressure:

Technical Information

In line pressure and return spin-on filter assemblies.

200 l/min (53 gpm)

As per NFPA T 3.10.17

As per NFPA T 3.10.17

As per NFPA T 3.10.17

As per NFPA T 3.10.17

BSP, NPT

3,5 Bar (50 psi)

Visual and electrical

-25°C +120°C (-13°F +248°F)

- Head: aluminium
- Housing: carbon steel + aluminium
- Seal: Buna-N (NBR) / 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.

FA-4-1x	FA-4-21
500 psi	348 psi
754 psi	522 psi
1.000 psi	798 psi
0-500 psi *	0-348 psi *

* ≥ 100.000 cycles

FA-4-1x	FA-4-21
15 Bar	12 Bar

DESCRIPTION	ORDER CODE	PORTS	FLOW RATE	PRICE	ELEMENT	PRICE
10 MICRON CELLULOSE						
FA-4-05-C10-B4-D-Z34	ZZ004883	3/4" BSP	50 L/MIN	£130.91	A405C10	£58.30
FA-4-11-C10-B4-D-Z34	ZZ004884	3/4" BSP	60 L/MIN	£130.37	A411C10	£72.25
FA-4-12-C10-B5-D-Z34	ZZ004885	1" BSP	100 L/MIN	£136.10	A412C10	£75.31
FA-4-13-C10-B5-D-Z34	ZZ004886	1" BSP	100 L/MIN	£136.40	A413C10	£82.15
FA-4-21-C10-B6-D-Z34	ZZ004887	1 1/4" BSP	160 L/MIN	£177.43	A421C10	£119.40
10 MICRON FIBREGLASS						
FA-4-05-G10-B4-D-Z34	ZZ004888	3/4" BSP	40 L/MIN	£130.10	A405G10	£71.82
FA-4-11-G10-B4-D-Z34	ZZ004889	3/4" BSP	50 L/MIN	£132.88	A411G10	£76.37
FA-4-12-G10-B5-D-Z34	ZZ004890	1" BSP	80 L/MIN	£136.72	A412G10	£82.68
FA-4-13-G10-B5-D-Z34	ZZ004891	1" BSP	100 L/MIN	£140.69	A413G10	£89.20
FA-4-21-G10-B6-D-Z34	ZZ004892	1 1/4" BSP	120 L/MIN	£185.66	A421G10	£132.92
25 MICRON FIBREGLASS						
FA-4-05-G25-B4-D-Z34	ZZ004893	3/4" BSP	50 L/MIN	£129.95	A405G25	£71.82
FA-4-11-G25-B4-D-Z34	ZZ004894	3/4" BSP	60 L/MIN	£132.01	A411G25	£76.36
FA-4-12-G25-B5-D-Z34	ZZ004895	1" BSP	100 L/MIN	£136.72	A412G25	£77.23
FA-4-13-G25-B5-D-Z34	ZZ004896	1" BSP	100 L/MIN	£139.15	A413G25	£86.64
FA-4-21-G25-B6-D-Z34	ZZ004897	1 1/4" BSP	160 L/MIN	£182.82	A421G25	£128.27

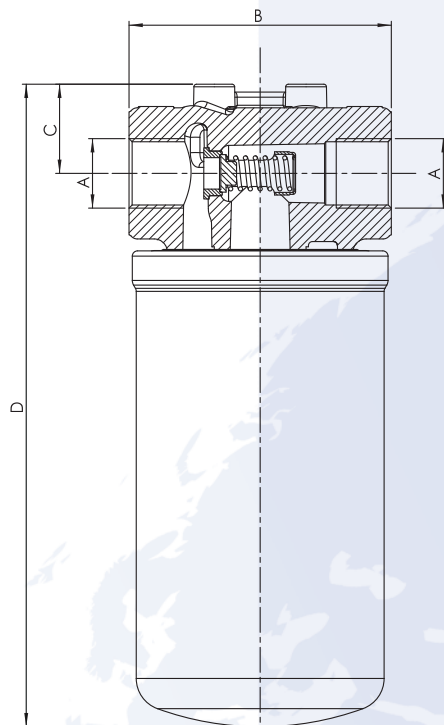
THE GIVEN FLOW RATE VALUES REFER TO APPLICATIONS WITH MINERAL OIL HAVING VISCOSITY OF 30 CST AT WORKING TEMPERATURE. FOR APPLICATIONS WITH DIFFERENT FLUID OR WORKING CONDITIONS, A CORRECTIVE FACTOR MUST BE APPLIED BY REFERRING TO THE TECHNICAL INFORMATION.

OPTIONAL EXTRAS

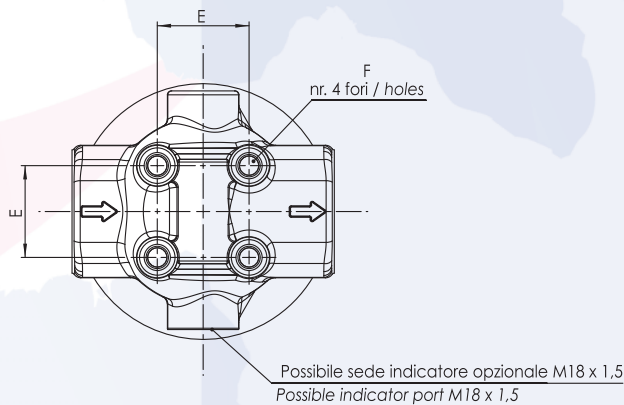
INDICATORS	PRICE
Z35 DIFFERENTIAL ELECTRICAL SWITCH 2.7 BAR 39 PSI	£4.66

Informazioni dimensionali - Overall dimensions

FA-4-1x
FA-4-21



Distanza minima per rimozione cartuccia 30 mm
Clearance for element removal 30 mm

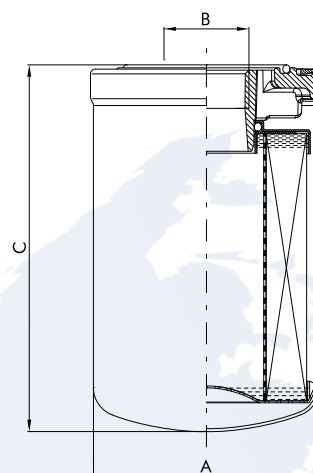


1) Grandezza nominale - Nominal size

Codice - Code	A	B	C	D	E	Cart. ricambio Element
FA-4-05	3/4" BSP	100	34	165	35	A-4-05
FA-4-11	3/4" NPT			216		A-4-11
FA-4-12	1" BSP			245		A-4-12
FA-4-13	1" NPT			302		A-4-13
FA-4-21	1" 1/4 BSP 1" 1/4 NPT	121	40	369	48	A-4-21

2) Dimensioni cartucce - Element size

Codice - Code	A	B	C
A-4-05	97	1" 3/8-12 UN 2B	100
A-4-11	97	1" 3/8-12 UN 2B	152
A-4-12	97	1" 3/8-12 UN 2B	180
A-4-13	97	1" 3/8-12 UN 2B	240
A-4-21	120	1" 3/4-12 UN 2B	295



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	$\beta_{12 \mu\text{m (c)}} \geq 1000$
G15	microfibra inorganica / microglass fiber	$\beta_{18 \mu\text{m (c)}} \geq 1000$
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	$\beta_{25 \mu\text{m (c)}} \geq 2$
T150	tela metallica / wire mesh	-----

4) Guarnizioni - Seals

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

5) Conessioni - Connection port

Codice - Code	B	F
B4	3/4" BSP	M10
B5	1" BSP	M10
B6	1" 1/4 BSP	M10
N4	3/4" NPT	3/8"-16 UNC
N5	1" NPT	3/8"-16 UNC
N6	1" 1/4 NPT	3/8"-16 UNC

Per NPT contattare l'ufficio commerciale
For NPT please contact sales department

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

Codice - Code	Taratura - Setting
0	senza / without
D	ritorno o in linea / return or in-line (3,5 Bar - 50 psi)

7) Indicatori - Indicator

Codice - Code	Tipo indicatore - Indicator type	Taratura - Setting
0	senza / without	
Z34	differenziale visivo differential visual switch	2,7 Bar 39 psi
Z35	differenziale elettrico differential electric switch	2,7 Bar 39 psi

Codici per l'ordinazione - Ordering information

Filtro completo
Filter assembly

FA-4

21

C10

V

B6

D

Z34

1*

3*

4*

5*

6*

7*

Cartuccia
Filter element

A-4

21

C10

V

2*

3*

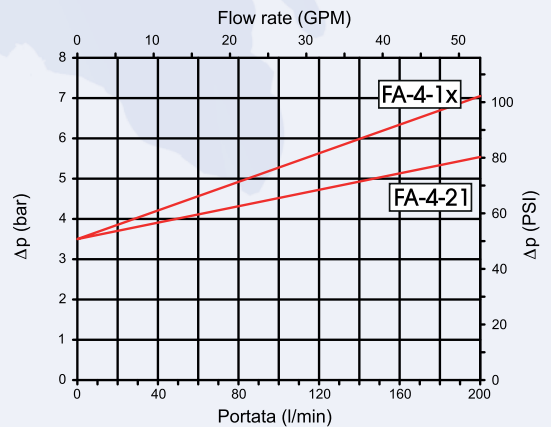
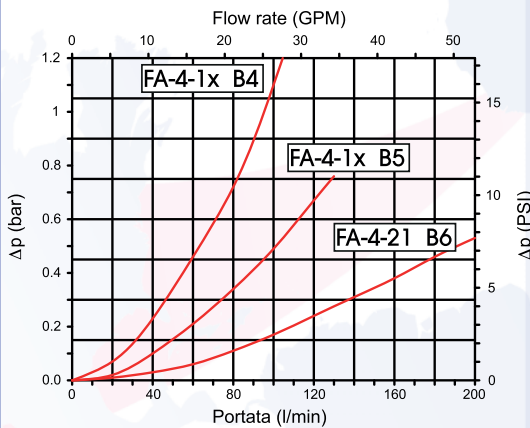
4*

Filtro Housing

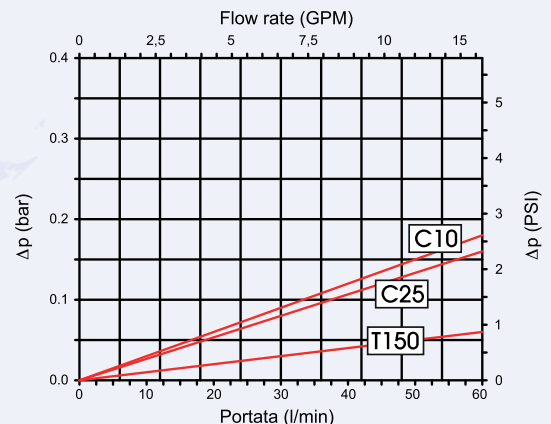
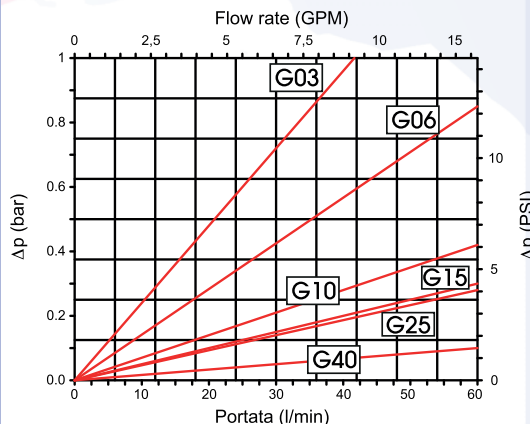
Curve di portata - Pressure drop charts

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.

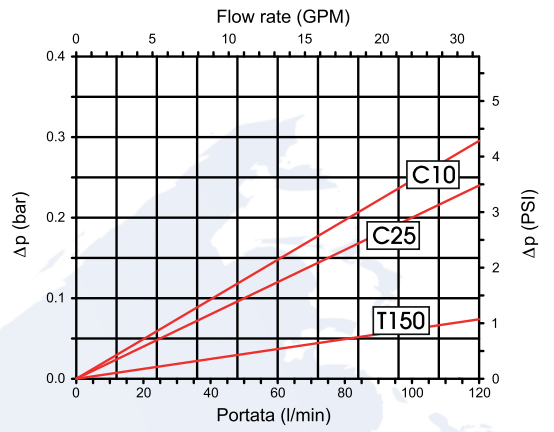
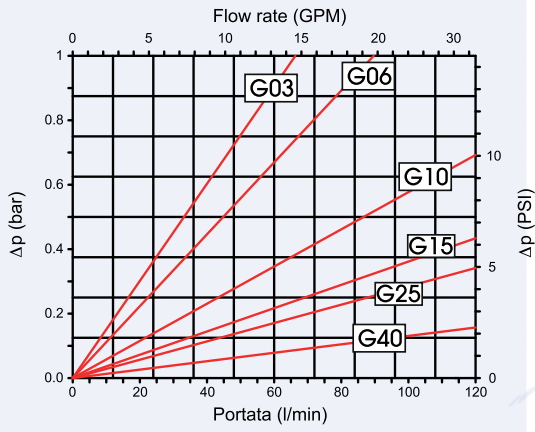
Pressure drop charts (as per ISO 3968 class B) are obtained using mineral oil with 30 cSt viscosity and 0,86 Kg/dm³ density. With different values of viscosity and density data may vary.



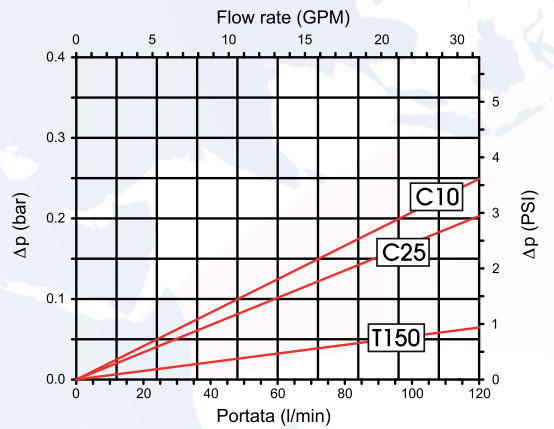
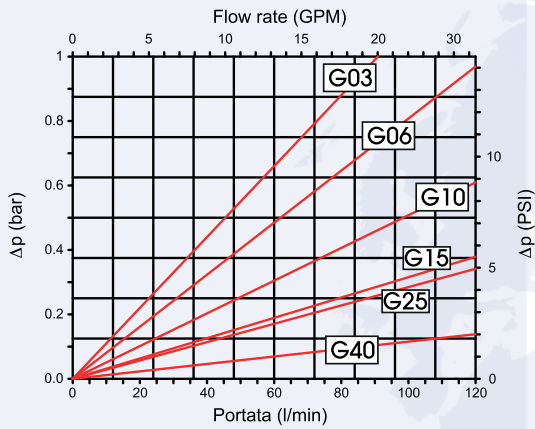
A-4-05



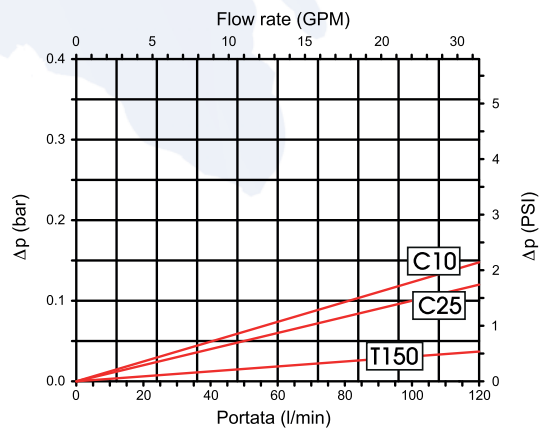
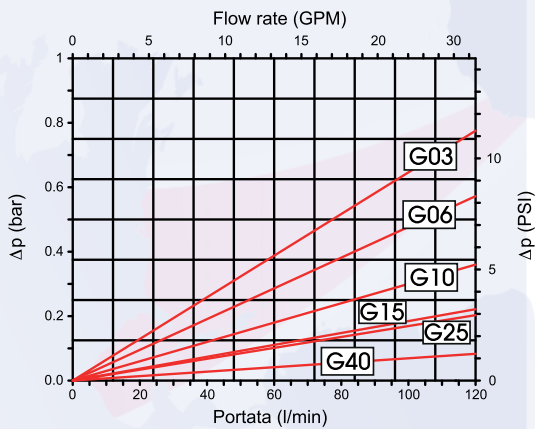
A-4-11



A-4-12



A-4-13



A-4-21

