



FILTRAZIONE DI PROCESSO
PROCESS FILTRATION



FILTREC[®]
Technical Filtration

serie
IFS-R4



Serie IFS-R4

Filtri simplex in linea Inline simplex filter



CORPO FILTRO

Descrizione:

Portata massima:

Pressione max di esercizio:

Connessioni:

Valvola by-pass :

Indicatore intasamento:

Temperatura di esercizio:

Materiali:

Davit:

ELEMENTO FILTRANTE

Setto filtrante:

Pressione di collasso:



FILTER HEAD

Description:

Max flow rate:

Max working pressure:

Port connections:

By-pass:

Indicator:

Working temperature:

Materials:

Davit:

FILTER ELEMENT

Filter media:

Collapse pressure:

Caratteristiche tecniche

Filtri a corpo singolo, elemento filtrante a cartuccia, senso di filtrazione esterno-interno.

4500 lt/min

25 Bar

ANSI, DIN, UNI

Senza valvola by-pass

Differenziale visivo elettrico, tarature 2 Bar

-30°C +90°C

- Acciaio al carbonio, Acciaio inox aisi 304 - 304L - 316 - 316L
- Guarnizioni: Buna-N compatibile secondo ISO 2943 con oli minerali (HH-HL-HM-HR-HV-HG) emulsioni acquose (HFAE-HFAS)
- Viton compatibile secondo ISO 2943 con fluidi sintetici (HS-HFDR-HFDU-HFDS)

Per flangia con peso superiore ai 15 Kg

Microfibra inorganica 3, 6, 10, 25 μ

Carta 10, 25 μ

Tela metallica 10, 25, 40, 50, 100, 250 μ

Secondo ISO 2941: 20 Bar

Technical Information

Single filter body, cartridge type elements, flow outside to inside

4500 lt/min (1190 gpm)

25 Bar (362.5 psi)

ANSI, DIN, UNI

No by-pass available

Differential visual electrical, 2 Bar (29 psi) setting

-30°C +90°C (-22°F +194°F)

- Body: carbon steel, stainless steel inox aisi 304 - 304L - 316 - 316L
- Seal: Buna-N compatible as per ISO 2943 with mineral oil (HH-HL-HM-HR-HV-HG) water oil emulsions (HFAE-HFAS)
- Viton compatible as per ISO 2943 with synthetic fluid (HS-HFDR-HFDU-HFDS)

For flange of weight superior to 15 Kg.

Microglass fiber 3, 6, 10, 25 μ

Cellulose 10, 25 μ

Wire mesh 10, 25, 40, 50, 100, 250 μ

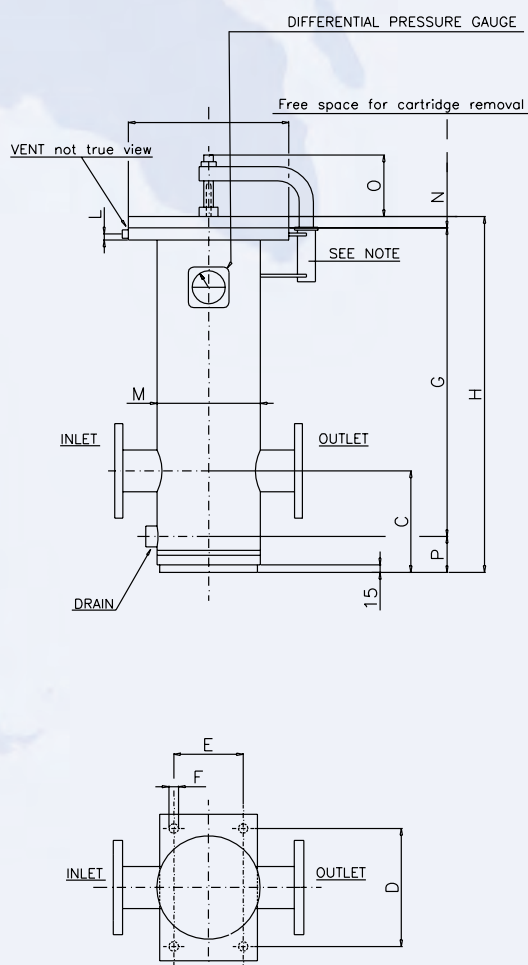
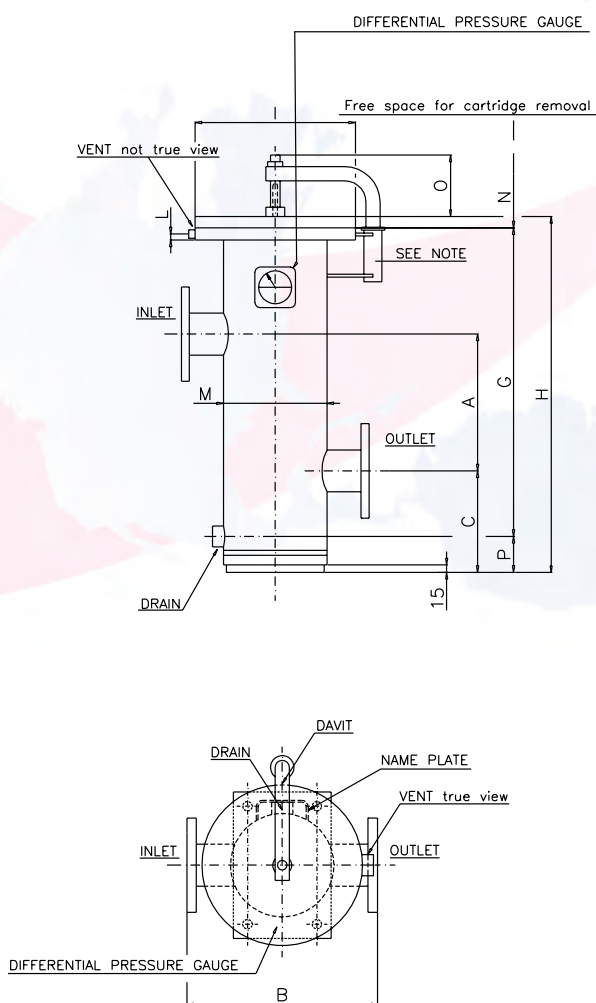
As per ISO 2941: 20 Bar (290 psi)

Informazioni dimensionali Overall dimensions

	Dimensioni [mm] Dimensions [mm]													
	A	B	C	D	E	Ø F	G	H	I	L	Ø M	N	O	P
IFS-R4-10	330	700	130	290	160	14	665	775	343	14	219	430	120	75
IFS-R4-11	260		185				1035	1145				660		
IFS-R4-12			1435				1545	1000						
IFS-R4-20		800		380	220		1035	1180	534	18	356	660	230	105
IFS-R4-13	300	700	210	290	160	18	1435	1545	343	14	219	1000	120	75
IFS-R4-30		1000		400	300		1150	1295	597	20	406			
IFS-R4-21	330	900	260	380	220		18	1250	1395	534	18	356	660	230
IFS-R4-22	420					1650		1795	1000					
IFS-R4-31	400	1000	340	400	300		1400	1545	597	20	406	660		

Figura 1 - Filtri flangiati con ingresso/uscita disassati
Figure 1 - Foot mounted with offset flanges

Figura 2 - Filtri Flangiati con ingresso/uscita in linea
Figure 2 - Foot mounted flanged filters in line



Dimensionamento del filtro *Filter size*

In funzione della portata e della connessione, selezionare la dimensione del corpo.

Le portate sono riferite a una cartuccia con 25μ in microfibra ed il relativo D_n , con olio minerale avente densità di $0,86 \text{ kg/dm}^3$ e viscosità cinematica di $30 \text{ mm}^2/\text{sec}$ (cSt).

Le portate sono espresse in Lt./min e riferite ad una perdita di carico pari a $D_p=0,35 \text{ bar}$ max. a filtro completo.

Select body dimensions according to flow rate and connection port type.

Flow rate is referred to a filter element with the following characteristics: 25μ fiberglass with $0,86 \text{ kg/dm}^3$ density and $30 \text{ mm}^2/\text{sec}$ (cSt) viscosity mineral oil.

Flow rates are expressed in Lt./min and referred to a differential pressure $D_p=0,35 \text{ bar}$ max ($5,075 \text{ psi}$ max) in complete filter.

Dn.	Grandezza Size								
	10	11	12	20	13	30	21	22	31
2"	350								
3"	500								
		700							
			800						
4"				900					
					1300				
5"						1500			
6"							2300		
							3200		
8"								3500	
									4500

Codici per l'ordinazione *Ordering information*

1) Grandezza nominale *Nominal size*

Codice Code	Schema Figure	Conessioni Connections				Volume olio Oil Volume (Lt)	Peso Weight (Kg)	Nr. Cartucce Nr. Cartridges	Cart. ricambio Repl. element	
		In/out	Vent	Drain	PDI					
IFS-R4-10	1-2	2"	$\frac{1}{2}$ " NPT-F	$\frac{3}{4}$ " NPT-F	$\frac{1}{4}$ " NPT-F	25	90	1	R4-42	
IFS-R4-11		3"				30	110		R4-44	
IFS-R4-12						35	128		R4-46	
IFS-R4-20						125	200	2	R4-44	
IFS-R4-13		4"				45	165	1	R4-34	
IFS-R4-30		5"				160	325	3	R4-44	
IFS-R4-21						6"	145	210	2	R4-33
							135	210		R4-34
IFS-R4-22						8"	140	275	3	R4-34
IFS-R4-31							150	225		R4-33

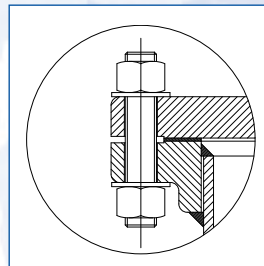
2) Grado di filtrazione *Filtration ratings*

Codice Code	Materiale Media	Efficienza Efficiency
0	senza cartuccia no element	-----
G03 G06 G10 G25	microfibra inorganica microglass fiber	$b_3 \geq 200$ $b_6 \geq 200$ $b_{10} \geq 200$ $b_{25} \geq 200$
C10 C25	carta trattata resin impregnated cellulose	$b_{10} \geq 2$ $b_{25} \geq 2$
T10 T25 T40 T50 T100 T250	tela metallica wire mesh	----- ----- ----- ----- ----- -----

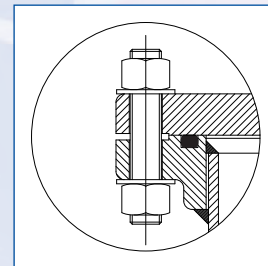
3) Guarnizioni *Seals*

Codice Code	Tipo Type
A	Abestos free
---	NBR
T	Teflon
V	Viton

A / T



V / NBR



4) Dimensione attacchi *Connection port size*

Codice Code	Attacchi Connection
2	2"
3	3"
4	4"
5	5"
6	6"
8	8"

5) Posizione attacchi *Connection position*

Codice Code	Attacchi Connection
L	Attacchi in linea Alignment connection
D	Attacchi disassati Out of alignment connection

Figura 2 / Figure 2

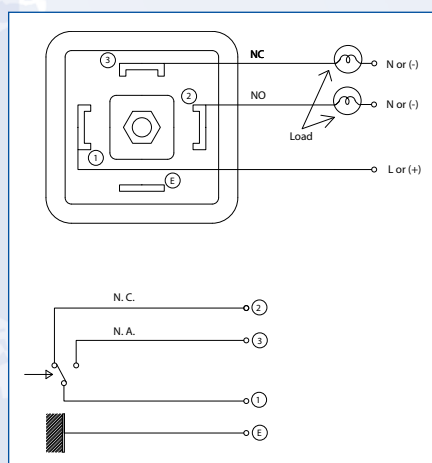
Figura 1 / Figure 1

6) Tipo attacchi Connection port type

Codice Code	Attacchi Connection port type
FU 10	Flangia PN. 10 UNI EN 1092-1
FU 16	Flangia PN. 16 UNI EN 1092-1
FA 150	Flangia ANSI 150 S.O.R.F.
FA 300	Flangia ANSI 300 S.O.R.F.
FD 16	Flangia PN. 16 DIN 2633
FD 25	Flangia PN. 25 DIN 2634

7) Indicatori Indicators

Codice Code	Tipo indicatore Indicator type	Taratura Setting
0	senza without	-----
Z10	manometro differenziale visivo elettrico differential electrical visual gauge	2 Bar 29 psi



**Attacchi degli interruttori e
connessioni DIN**
Reed switches & DIN plug
connection

Specifiche Tecniche
Technical Specific.

Voltaggio Voltage 230V
Amperaggio Amperage 10A

Tipo SPDT
Type SPDT

28 VAC 0.25 A max
28 VDC 3 W max

Connettore DIN 43650
DIN Connector 43650

8) Materiale corpo Housing material

Codice Code	Materiale Material
CS	Acciaio al carbonio Carbone steel
SS	Acciaio inox aisi 304 Stainless steel
SSX	Acciaio inox aisi 316 Stainless steel
SSL	Acciaio inox aisi 304L Stainless steel
SSXL	Acciaio inox aisi 316L Stainless steel

Codici per l'ordinazione Ordering information

Filtro completo
Filter assembly

IFS - R4	10	G10	V	3	L	FD16	Z10	CS
	1*	2*	3*	4*	5*	6*	7*	8*

Cartuccia
Filter element

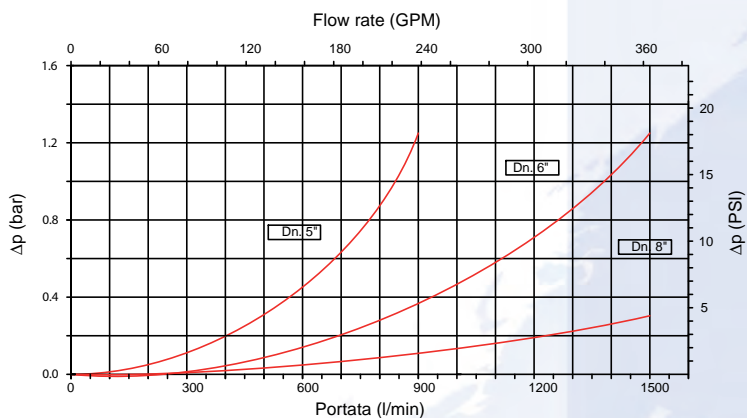
R4	42	G10	V
	1*	2*	3*

Curve di portata Pressure drop charts

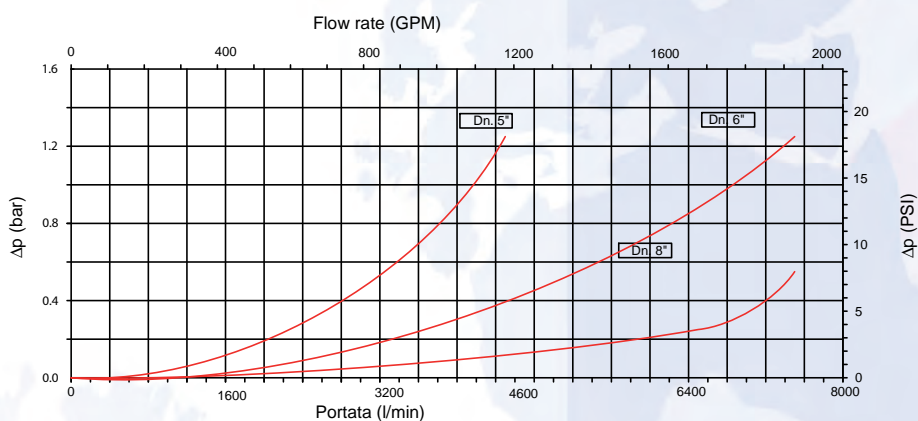
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³
 Per viscosità e densità diverse i dati variano, in prima approssimazione proporzionalmente.

Pressure drop charts as per ISO 3968 class B. 30 cSt viscosity and 0,86 Kg/dm³ density mineral oil.

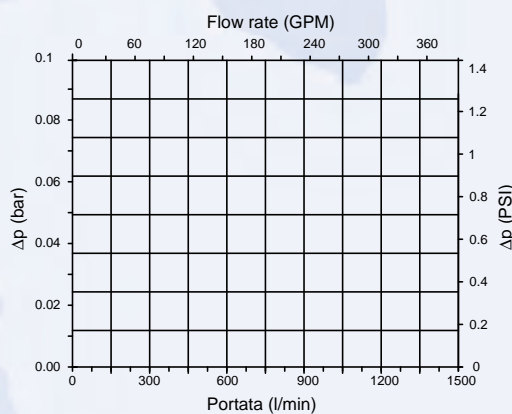
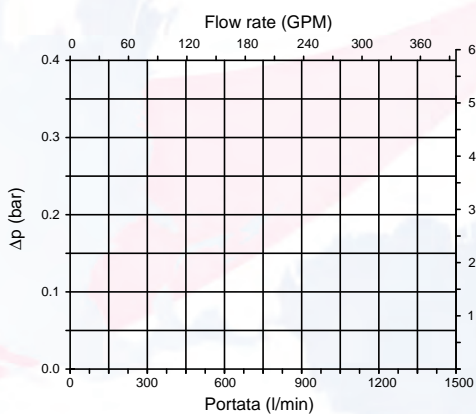
Filtro Housing



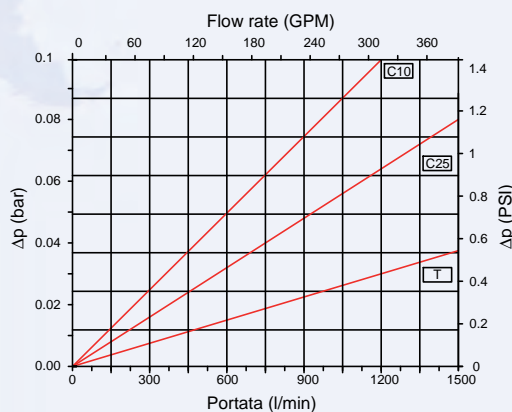
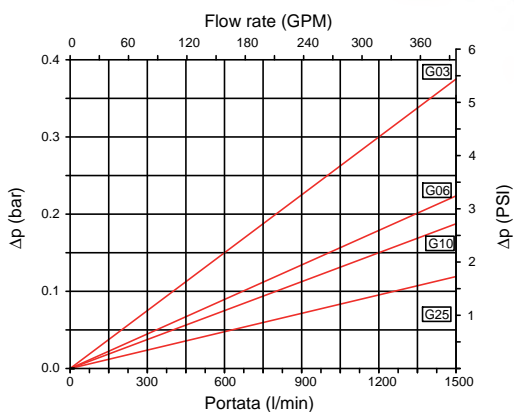
Filtro Housing



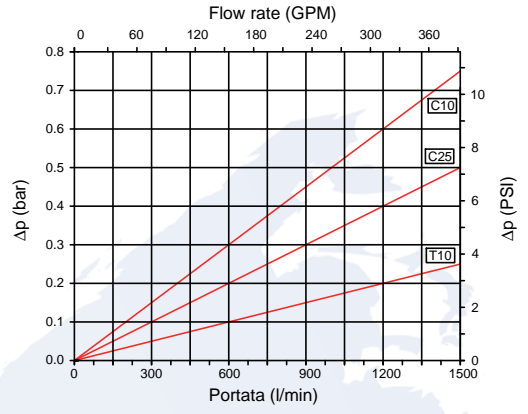
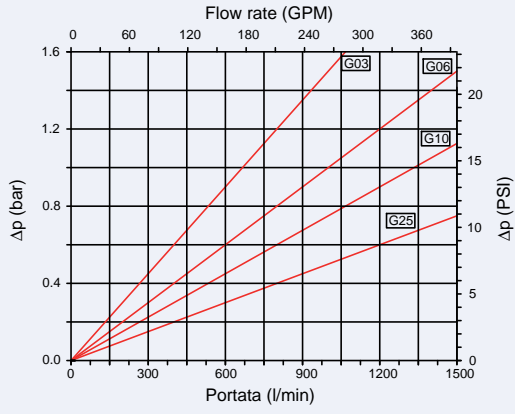
R4-33



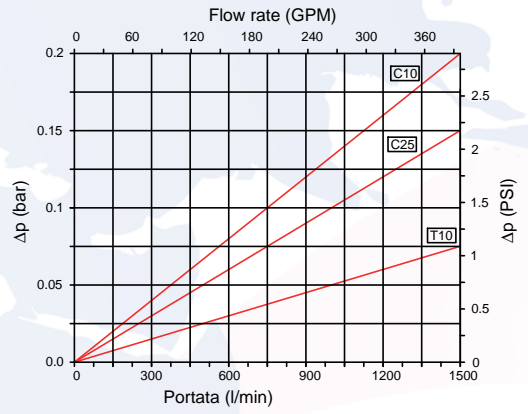
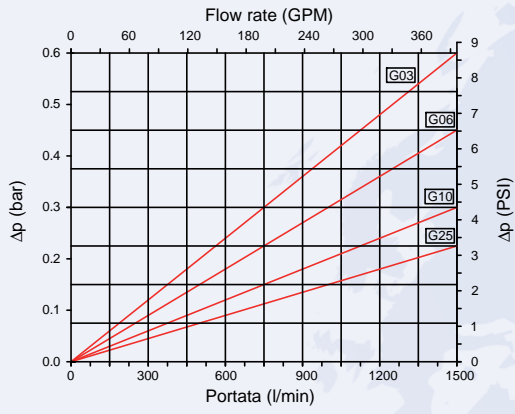
R4-34



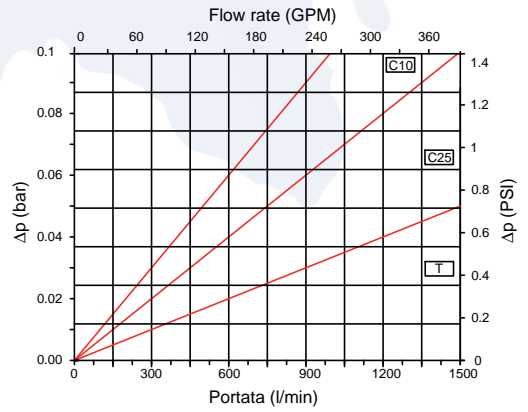
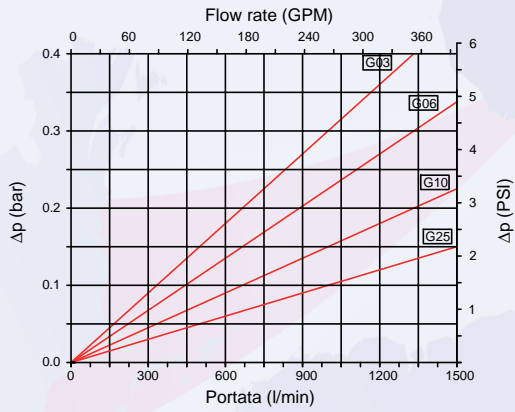
R4-42



R4-44



R4-46



NOTE - NOTES



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