



 **FILTRAZIONE DI PROCESSO**
 **PROCESS FILTRATION**



FILTREC[®]
Technical Filtration

serie
IFD-RHR



Serie IFD-RHR

Filtri duplex in linea *Inline duplex filter*



CORPO FILTRO

Descrizione:

Portata massima:

Pressione max di esercizio:

Conessioni:

Valvola by-pass:

Indicatore intasamento:

Temperatura di esercizio:

Materiali:

Valvola di bilanciamento:
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:

Balancing valve:
Davit:

FILTER ELEMENT

Filter media:

Collapse pressure:

Caratteristiche tecniche

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

4500 lt/min

25 Bar

ANSI, DIN, UNI

Taratura 3 Bar o 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-HFUDU-HFDS)

Orifizio calibrato Ø3

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: 30 Bar

Technical Information

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

4500 lt/min (1190 gpm)

25 Bar (362.5 psi)

ANSI, DIN, UNI

3 Bar setting or without 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-HFUDU-HFDS)

Calibrated orifice Ø 3

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: 30 Bar (435 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	Q	R		
IFD-RHR-10	330	130	260	290	630	14	590	740	746	254	141	350	10	120	120	492		
IFD-RHR-20	260	175	335		760		815	995	850	280	168	400		150		230	710	
IFD-RHR-21																		400
IFD-RHR-30			380		1020	840	1075	1117	407	273	500	18						
IFD-RHR-40				300									185	290	860			18
IFD-RHR-31	475	400	1190		1300	1540	1315	534	356	900	500			18				
IFD-RHR-50	330	200	400		1080	18	890	1125	1170	407		273			900			
IFD-RHR-41				420			215	475	380	1250		1080	1320			1375	534	356
IFD-RHR-51											1375	1615	1670	1910				
IFD-RHR-52	1375	1615	1670		1910	1600					597	406			1000			
IFD-RHR-60	400	350		565			400	1460	1670	1910			1600	597		406	1000	20

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 Dn, 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 $Dp=0,35$ 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: 25 μ fiberglass with 0,86 kg/dm³ density and 30 mm²/sec (cSt) viscosity mineral oil.

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

[illegible]

Figura 1 - Filtri flangiati con 2 valvole a sfera a 3 vie

Figure 1 - Foot mounted flanged filters with 2x3 ways ball valves

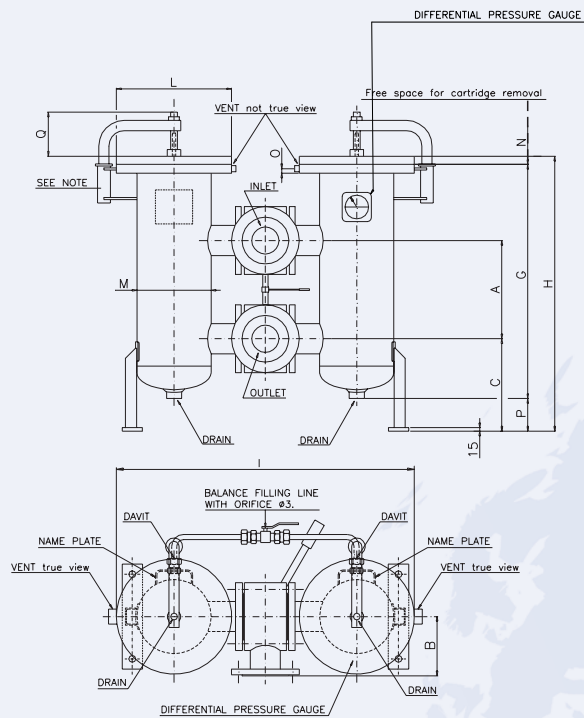


Figura 2 - Filtri Flangiati con 2 valvole a sfera a 3 vie

Figure 2 - Foot mounted flanged filters with 2x3 ways ball valves

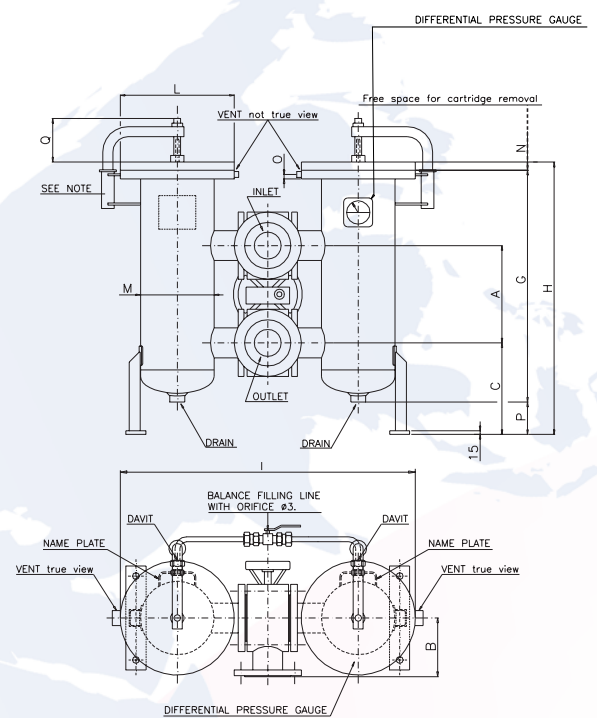
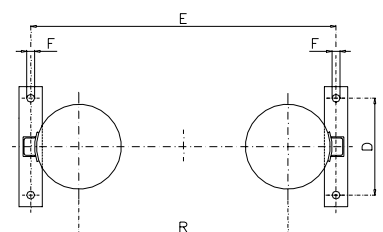
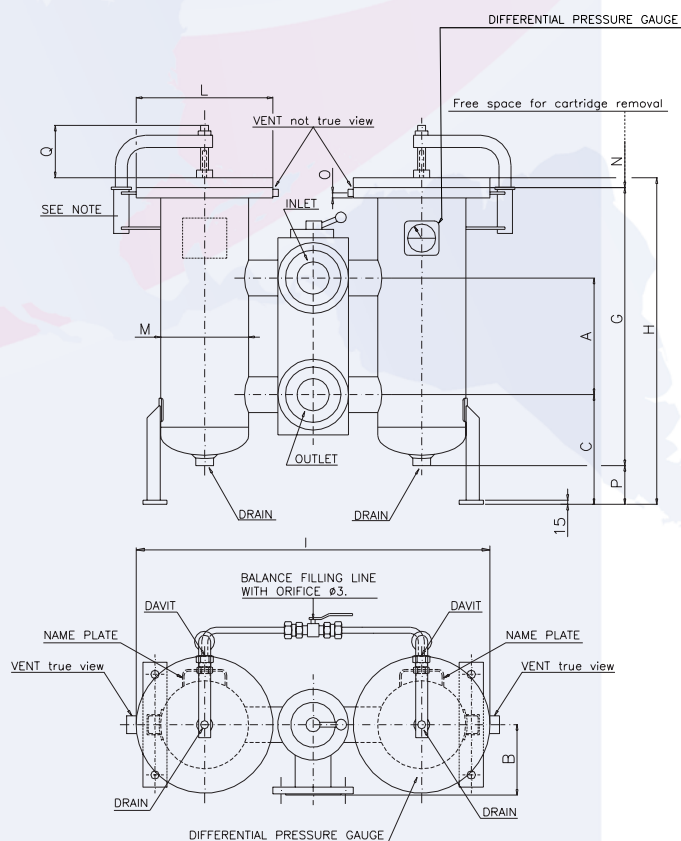


Figura 3 - Filtri flangiati con valvola autoclave a 6 vie

Figure 3 - Foot mounted flanged filters 6 way valve



Codici per l'ordinazione *Ordering information*

1) Grandezza nominale *Nominal size*

Codice Code	Schema Figure	Conessioni <i>Connections</i>				Volume olio Oil Volume (Lt)	Peso Weight (Kg)	Nr. Cartucce Nr. Cartridges	Cart. ricambio Repl. element			
		In/out	Vent	Drain	PDI							
IFD-RHR-10	1	2"	½" NPT-F	¾" NPT-F	¼" NPT-F	50	180	1+1	RHR- 500			
IFD-RHR-20		3"				60	220		RHR- 660			
IFD-RHR-21						65	255		RHR- 850			
IFD-RHR-30						85	270		RHR-1300			
IFD-RHR-40						250	400	2+2	RHR- 850			
IFD-RHR-31		4"				85	325	1+1	RHR-2600			
IFD-RHR-50						320	650	3+3	RHR-1700			
IFD-RHR-41						290	420	2+2	RHR- 850			
IFD-RHR-51	2	6"				270	420	3+3				
IFD-RHR-52						280	550	RHR-1700				
IFD-RHR-60	3	8"				300	450	3+3	RHR-2600			

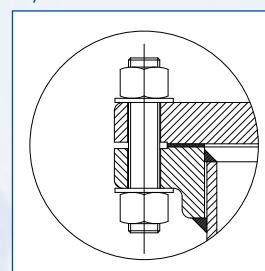
2) Grado di filtrazione *Filtration ratings*

Codice Code	Materiale Media	Efficienza Efficiency
0	senza cartuccia no element	-----
G03 G06 G10 G25	microfibra inorganica microglass fiber	$b_3 \geq 200$ $b_6 \geq 200$ $b_{10} \geq 200$ $b_{25} \geq 200$
N10 N25	carta trattata resin impregnated cellulose	$b_{10} \geq 2$ $b_{25} \geq 2$
S10 S25 S40 S50 S100 S250	tela metallica wire mesh	----- ----- ----- ----- ----- -----

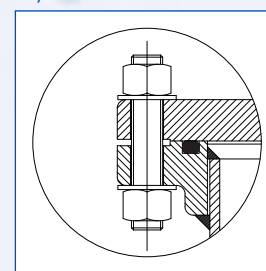
3) Guarnizioni *Seals*

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

A / T



V / B



4) Dimensione attacchi *Connection port size*

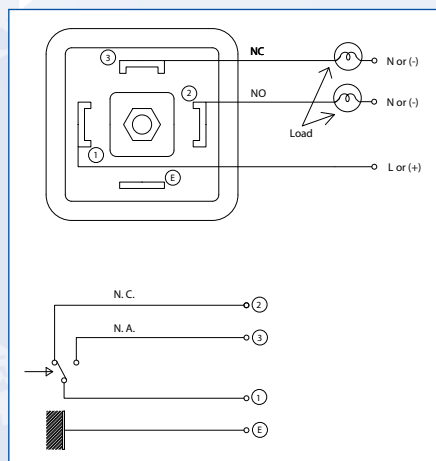
Codice Code	Attacchi Connection
2	2"
3	3"
4	4"
5	5"
6	6"
8	8"

5) 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

6) 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

7) Materiale corpo *Housing material*

Codice Code	Materiale Material
CS	Acciaio al carbonio Carbon 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

8) Valv. by-pass *Bypass valve*

Codice Code	Tipo Type
5	Senza without
---	Taratura 3 Bar

Conforme alle API 614
In accordance to API 614
Taratura standard
Standard calibration

Codici per l'ordinazione *Ordering information*

Filtro completo
Filter assembly

IFD-RHR

10	G10	V	3	FD16	Z14	CS	5
1*	2*	3*	4*	5*	6*	7*	8*

Cartuccia
Filter element

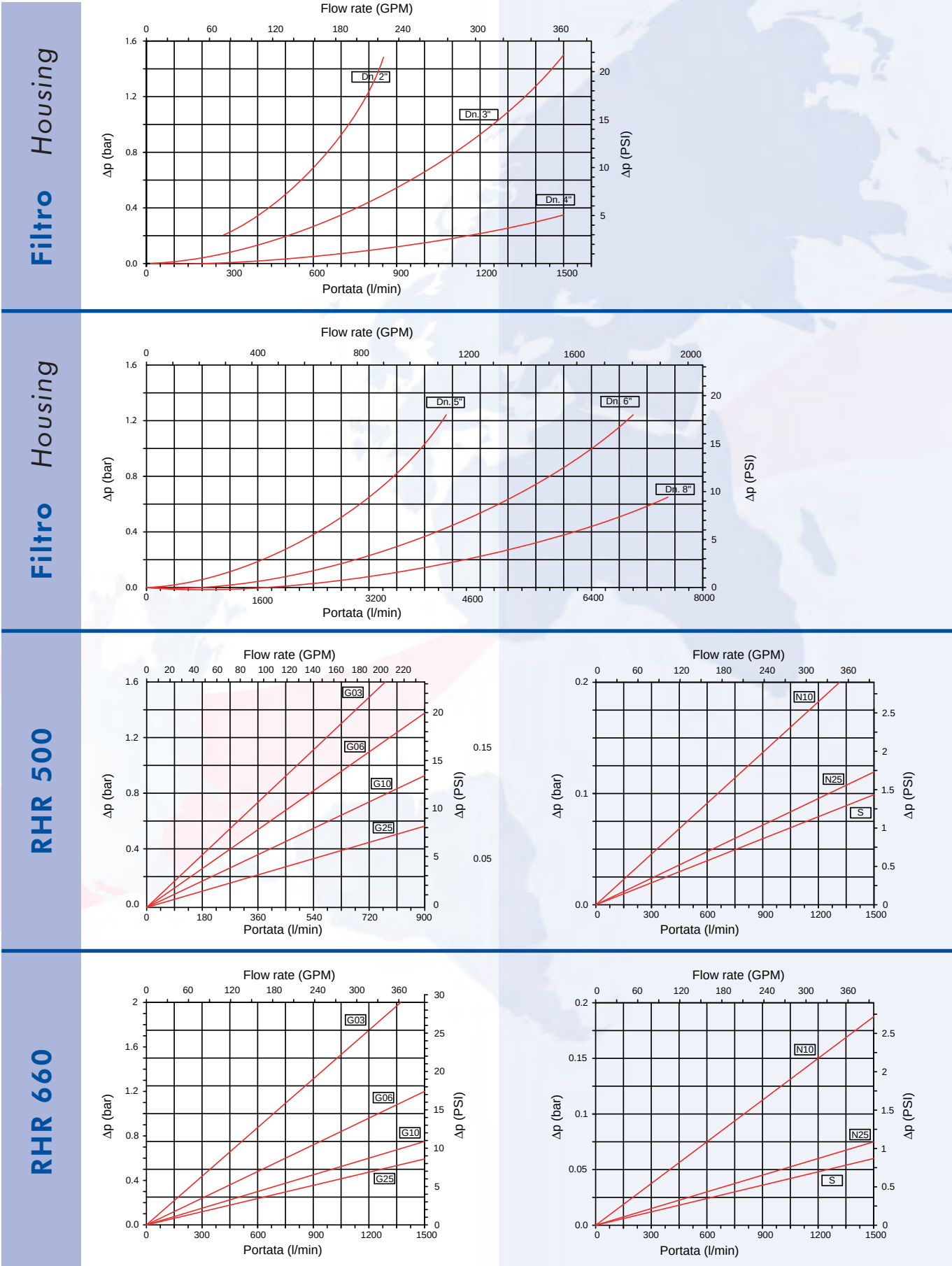
RHR

500	G10	V	5
1*	2*	3*	8*

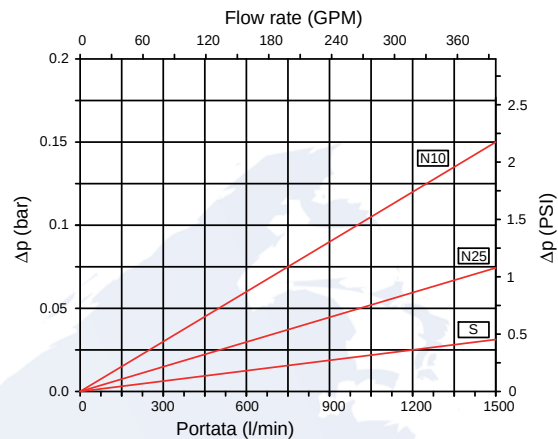
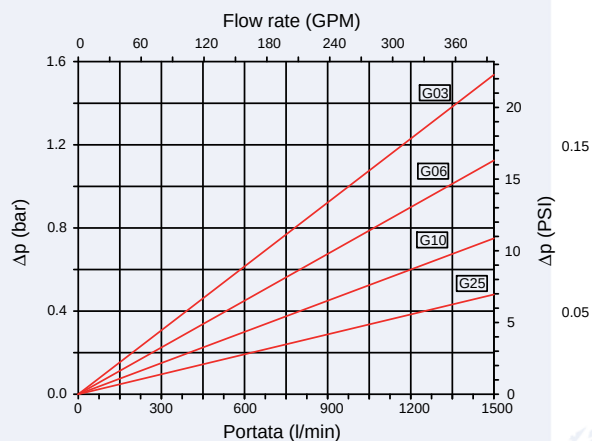
Curve di portata Pressure drop charts

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.

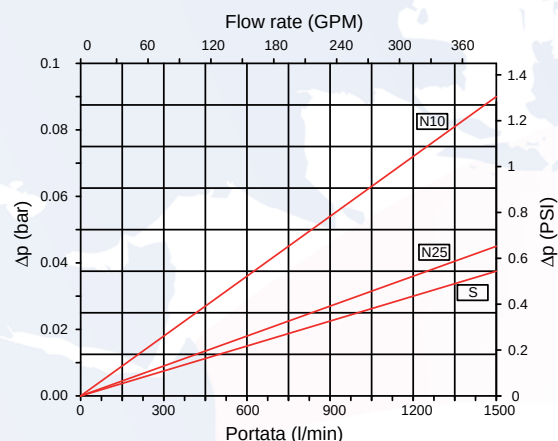
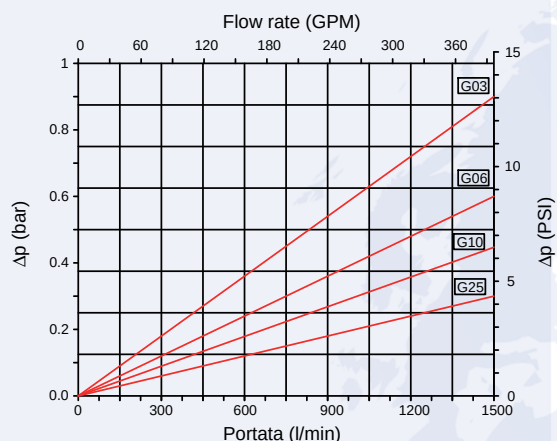
Pressure drop charts as per ISO 3968 class B. 30 cSt viscosity and 0,86 Kg/dm³ density mineral oil.



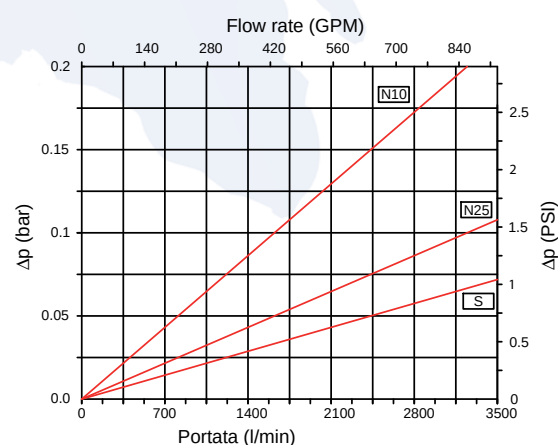
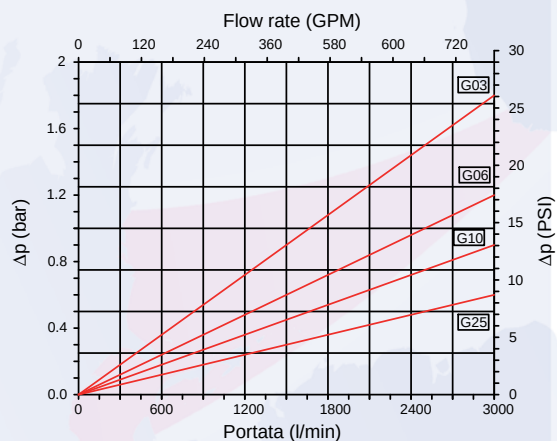
RHR 850



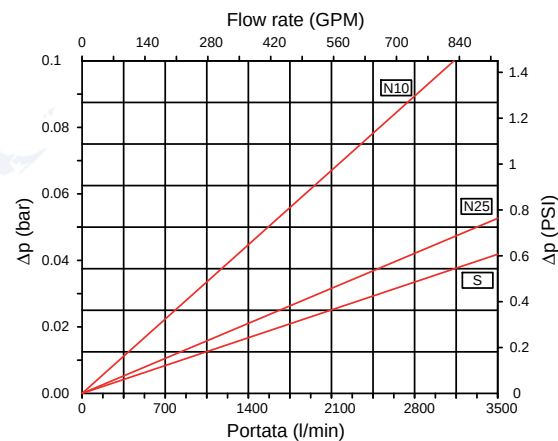
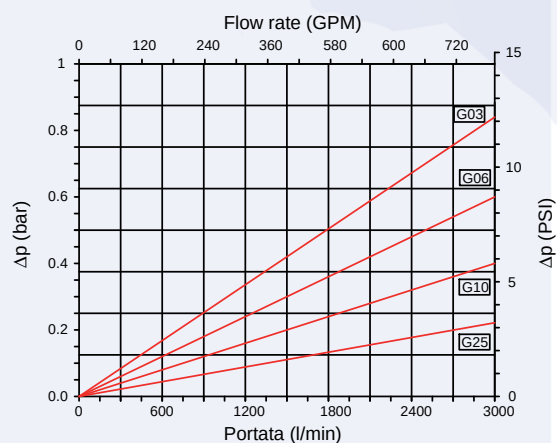
RHR 1300



RHR 1700



RHR 2600



NOTE - NOTES



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