



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



FILTREC[®]
Technical Filtration

serie
IFS-RHR



Serie IFS-RHR

Filtri simplex in linea Inline simplex filter



CORPO FILTRO

Descrizione:

Portata massima:

Pressione max di esercizio:

Conessioni:

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

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-HFUD-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: 30 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

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-HFUD-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: 30 Bar (435 psi)

Informazioni dimensionali Overall dimensions

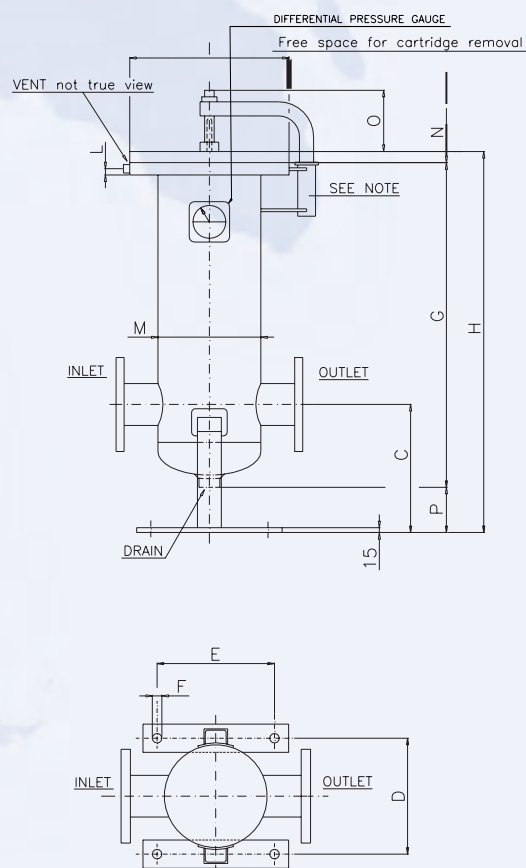
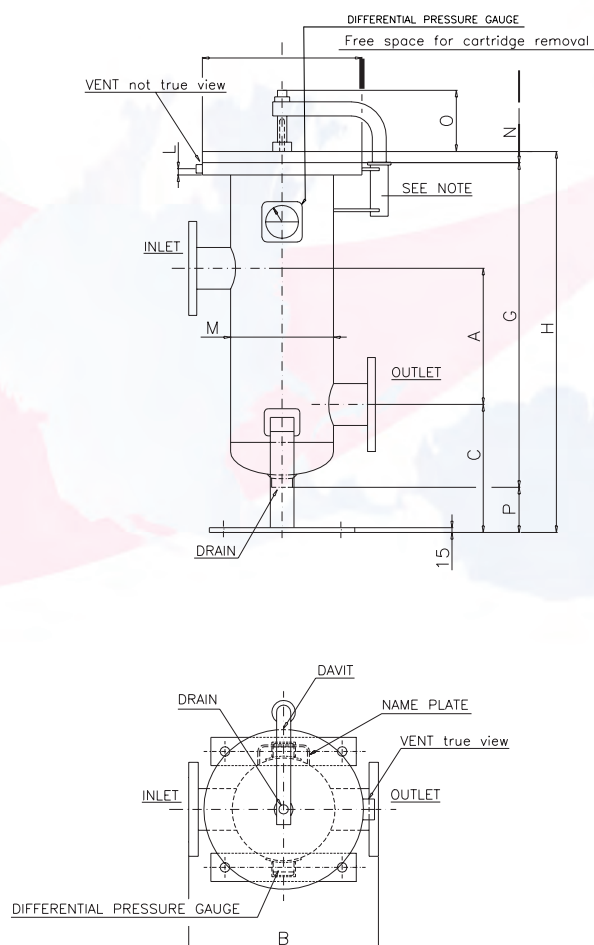
	Dimensioni [mm] Dimensions [mm]													
	A	B	C	D	E	Ø F	G	H	I	L	Ø M	N	O	P
IFS-RHR-10	330	620	260	130	150	14	590	740	254	10	141	350	120	120
IFS-RHR-20	260	650	335	190	200		725	905	280		168	400		150
IFS-RHR-21							815	995				500		
IFS-RHR-30							700	400	260	290	890	1125		
IFS-RHR-40		750	300	350	18	840	1075		407	18	273	500	230	
IFS-RHR-31	300	700	475	260		290	1350	1585	343	14	219	1000	120	
IFS-RHR-50		800	400	400		350	1300	1540	534	18	356	900	230	
IFS-RHR-41	330	750	475	300		350	890	1125	407		273	500		
IFS-RHR-51	420	800		400		350	1080	1320	534		356	900		
IFS-RHR-52							1375	1615				900		
IFS-RHR-60	400	1000	565	450		400		1670	1910	597	20	406	1000	

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 $25\ \mu$ 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 $D_p=0,35\ \text{bar}$ 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: $25\ \mu$ 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 psi max) in complete filter.

	Grandezza Size										
Dn.	10	20	21	30	40	31	50	41	51	52	60
2"	200										
3"		300									
			400								
				600							
4"					700						
						1200					
5"							1400				
6"								2000			
6"									3000		
										3200	
8"											4300

Codici per l'ordinazione *Ordering information*

1) Grandezza nominale *Nominal size*

Codice Code	Schema Figure	Connessioni <i>Connections</i>				Volume olio Oil Volume (Lt)	Peso Weight (Kg)	Nr. Cartucce Nr. Cartridges	Cart. ricambio Repl. element
		In/out	Vent	Drain	PDI				
IFS-RHR-10	1-2	2"	½" NPT-F	¾" NPT-F	¼" NPT-F	25	90	1	RHR- 500
IFS-RHR-20		3"				30	110		RHR- 660
IFS-RHR-21						35	128		RHR- 850
IFS-RHR-30						45	135		RHR-1300
IFS-RHR-40		4"				125	200	2	RHR- 850
IFS-RHR-31						45	165	1	RHR-2600
IFS-RHR-50						160	325	3	RHR-1700
IFS-RHR-41						145	210	2	RHR- 850
IFS-RHR-51						135	210	3	
IFS-RHR-52						6"	140		275
IFS-RHR-60						8"	150	225	3

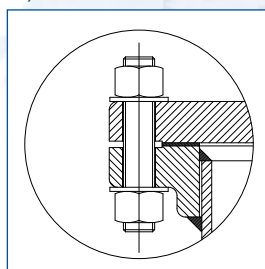
2) Grado di filtrazione *Filtration ratings*

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	----- ----- ----- ----- ----- -----

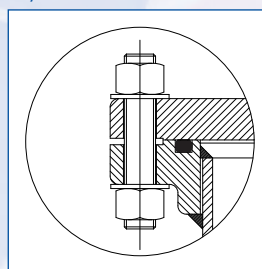
3) Guarnizioni *Seals*

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) 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

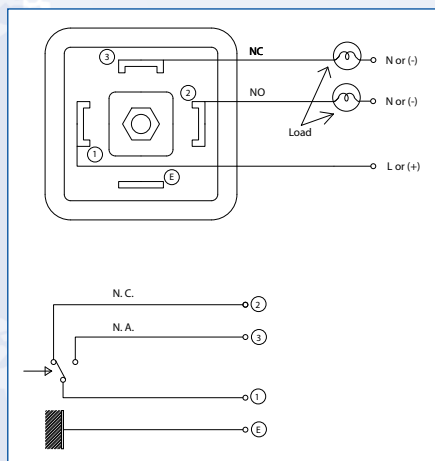
Figura 1 / Figure 1

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 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

9) Valv. by-pass *Bypass valve*

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

Codici per l'ordinazione *Ordering information*

Filtro completo
Filter assembly

IFS-RHR

10	G10	V	3	L	FD16	Z10	CS	5
1*	2*	3*	4*	5*	6*	7*	8*	9*

Cartuccia
Filter element

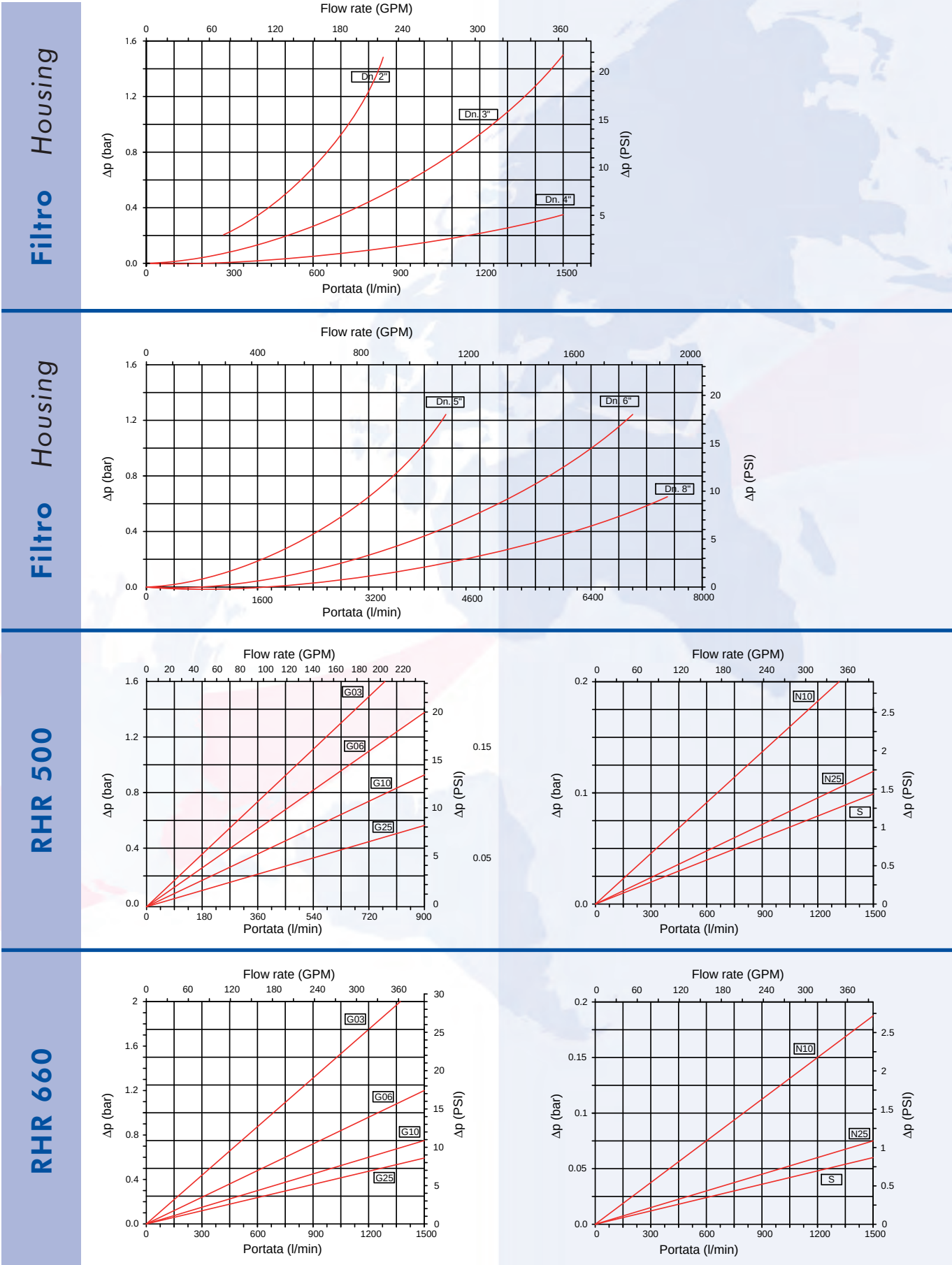
RHR

500	G10	V	5
1*	2*	3*	9*

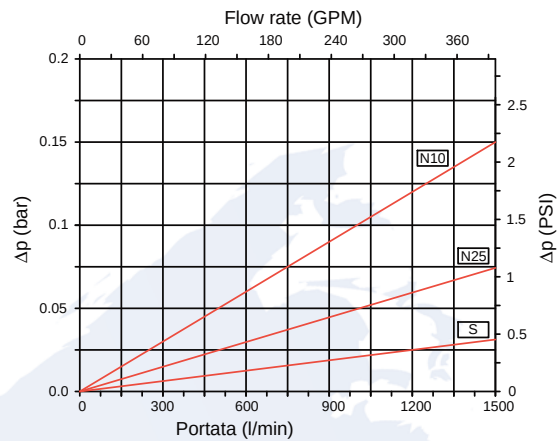
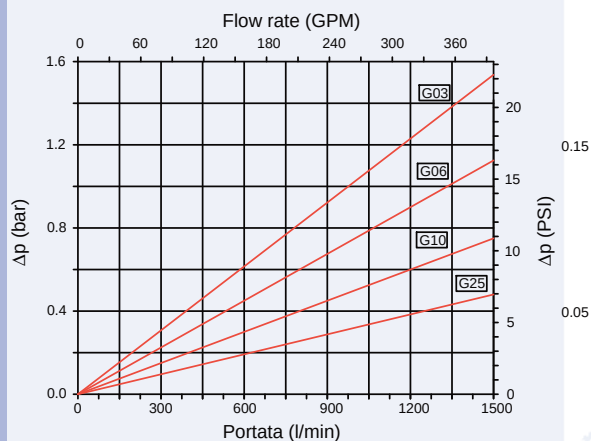
Curve di portata Pressure drop charts

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.

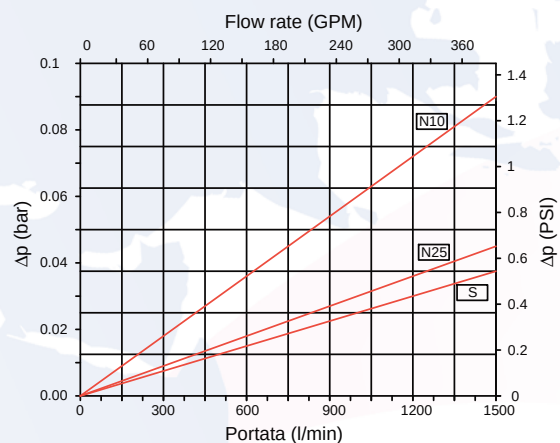
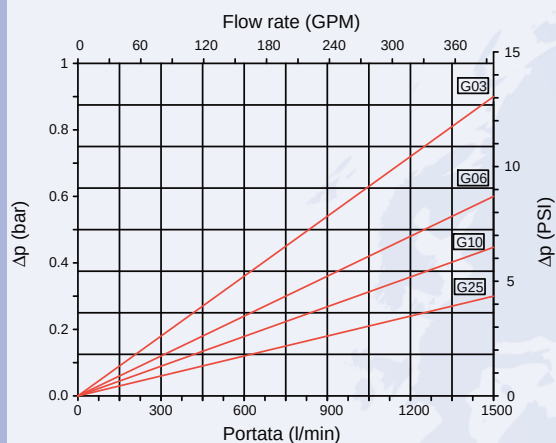
Pressure drop charts as per ISO 3968 class B. 30 cSt viscosity and 0,86 Kg/dm³ density mineral oil.



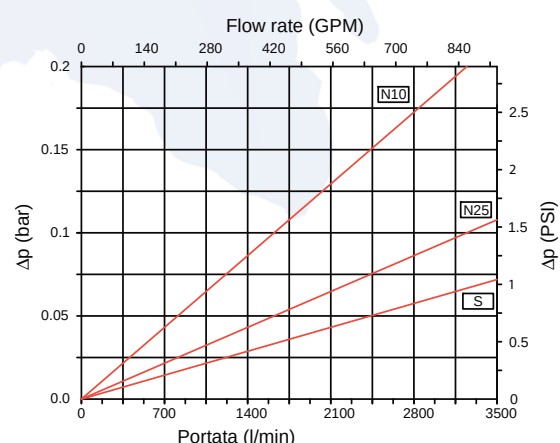
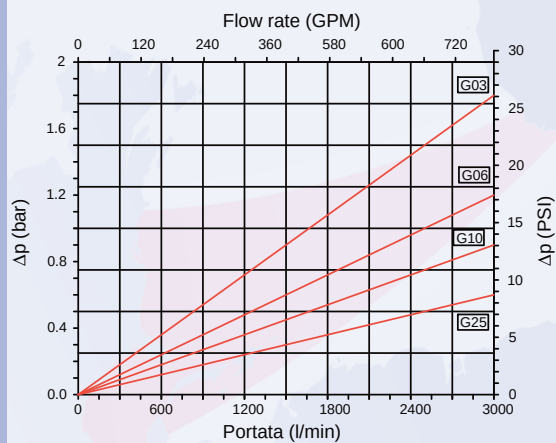
RHR 850



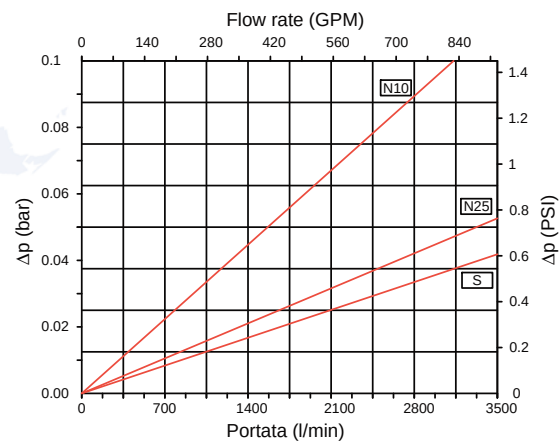
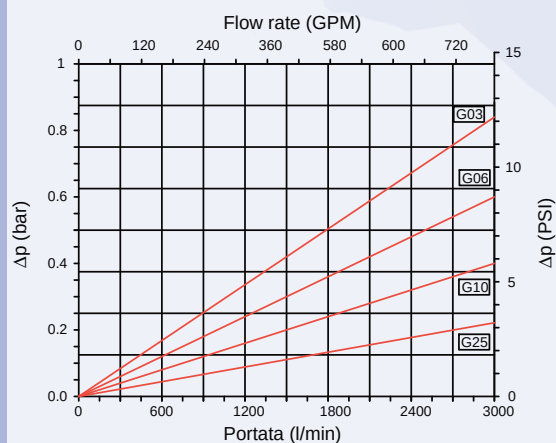
RHR 1300



RHR 1700



RHR 2600



NOTE - NOTES



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