



FILTRAZIONE IDRAULICA
HYDRAULIC FILTRATION



FILTREC[®]
Technical Filtration

serie
F280-D1



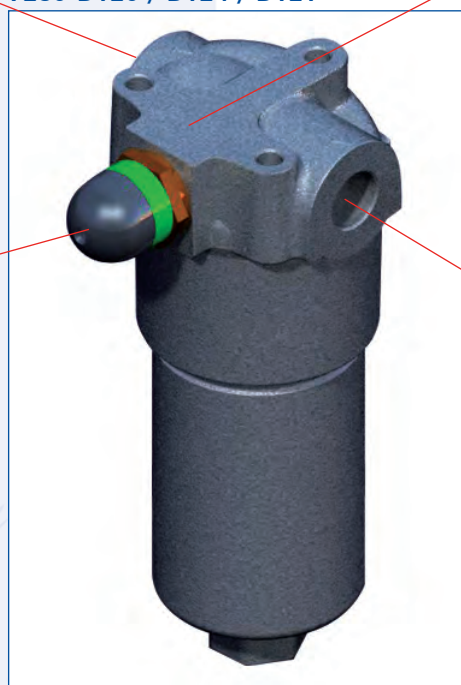
INGRESSO - INLET

F280-D120 / D124 / D121

POSIZIONE STANDARD
INDICATORE DIFFERENZIALE
STANDARD POSITION
DIFFERENTIAL INDICATOR

POSIZIONE OPZIONALE
INDICATORE DIFFERENZIALE
OPTIONAL POSITION
DIFFERENTIAL INDICATOR

USCITA - OUTLET



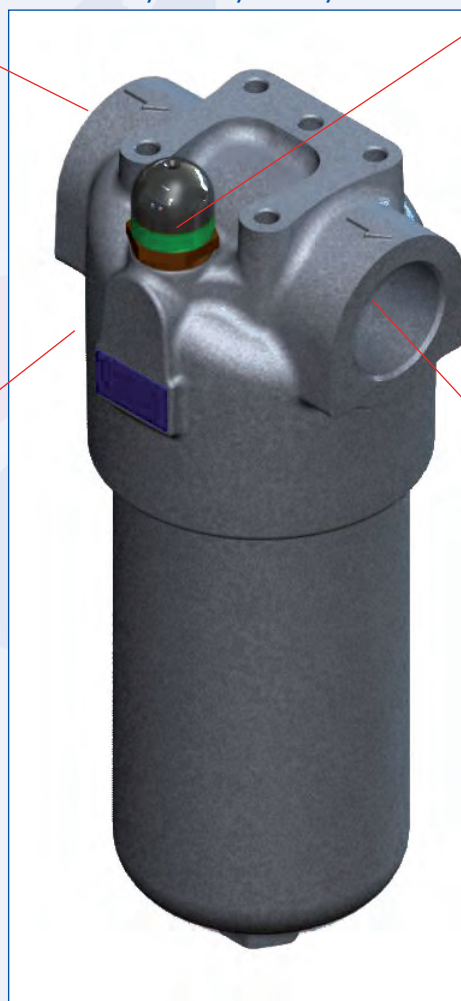
F280-D140 / D141 / D142 / D143

INGRESSO - INLET

POSIZIONE STANDARD
INDICATORE DIFFERENZIALE
STANDARD POSITION
DIFFERENTIAL INDICATOR

POSIZIONE OPZIONALE
INDICATORE DIFFERENZIALE
OPTIONAL POSITION
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USCITA - OUTLET



Serie F280-D1

Filtri in linea per le alte pressioni
In line high pressure filters



CORPO FILTRO

Descrizione:
Portata massima:
Pressione max di esercizio:
Pressione di prova:
Pressione di scoppio:
Connessioni:
Valvola by-pass :
Temperatura di esercizio:
Materiali:

Compatibilità con fluidi:

Caratteristiche tecniche

Filtri in linea per alte pressioni con cartuccia rigenerabile o a perdere
400 l/min

Secondo NFPA T 3.10.5.1: 280 Bar

Secondo NFPA T 3.10.5.1: 420 Bar

Secondo NFPA T 3.10.5.1: 840 Bar

BSP, NPT, Metrico

Senza o taratura 6 Bar

-25°C +120°C

- Testata: ghisa
- Contenitore: acciaio estruso
- Guarnizioni: Buna-N (NBR) / Viton®

ISO 2943: Filtro compatibile con oli minerali ed alcuni oli sintetici e vegetali. Per altri fluidi contattare FILTREC S.p.A.

ELEMENTO FILTRANTE

Setto filtrante:
Pressione di collasso:

Microfibra di vetro 3, 6, 10, 15, 25 µm, carta 10 µm
Secondo ISO 2941: 21 Bar e 210 Bar



FILTER HOUSING

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

Fluids compatibility:

Technical Information

In line high pressure filter assembly with cleanable or disposable elements
400 l/min (105 gpm)

As per NFPA T 3.10.5.1: 280 Bar (4060 psi)

As per NFPA T 3.10.5.1: 420 Bar (6091,5 psi)

As per NFPA T 3.10.5.1: 840 Bar (12180 psi)

BSP, NPT, Metric

No by-pass or 6 Bar (87 psi) setting

-25°C +120°C (-13°F +248°F)

- Head: cast iron
- Bowl: extruded 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.

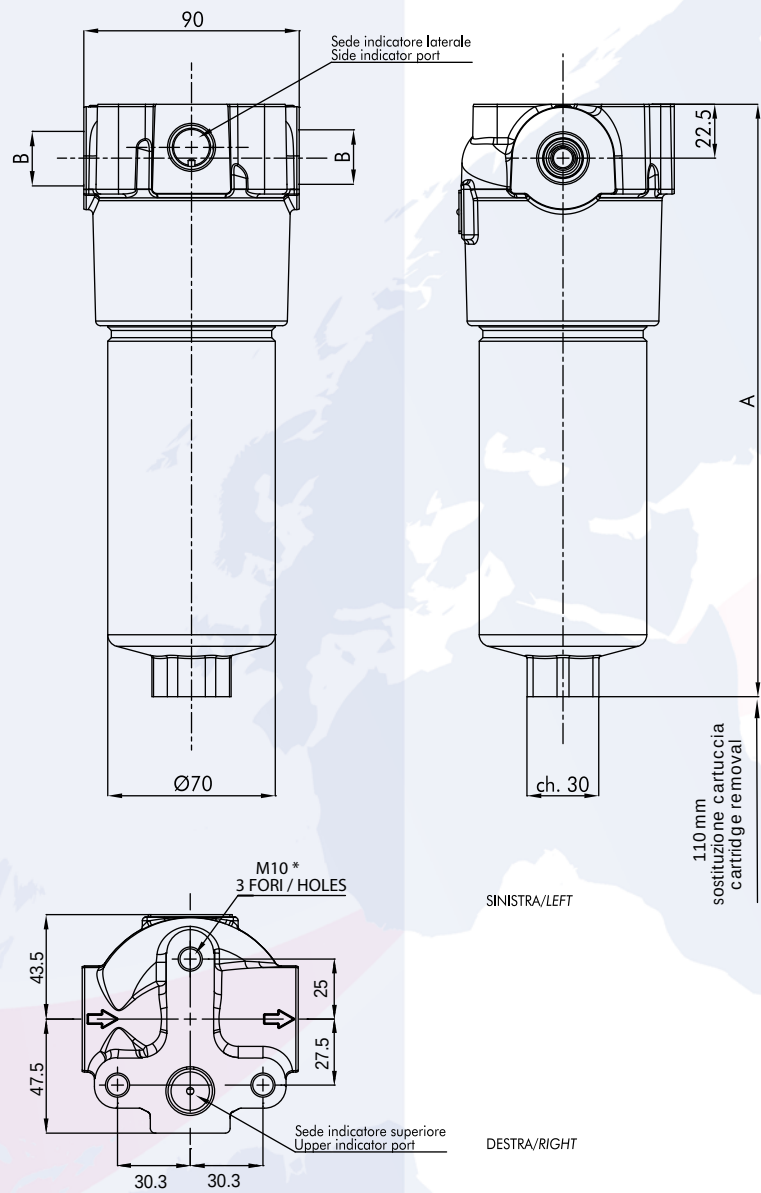
FILTER ELEMENT

Filter media:
Collapse pressure:

Microglass fiber 3, 6, 10, 15, 25 µm, cellulose 10 µm
As per ISO 2941: 21 Bar (305 psi) and 210 Bar (3045 psi)

Informazioni dimensionali - Overall dimensions

F280-D1/20-24-21



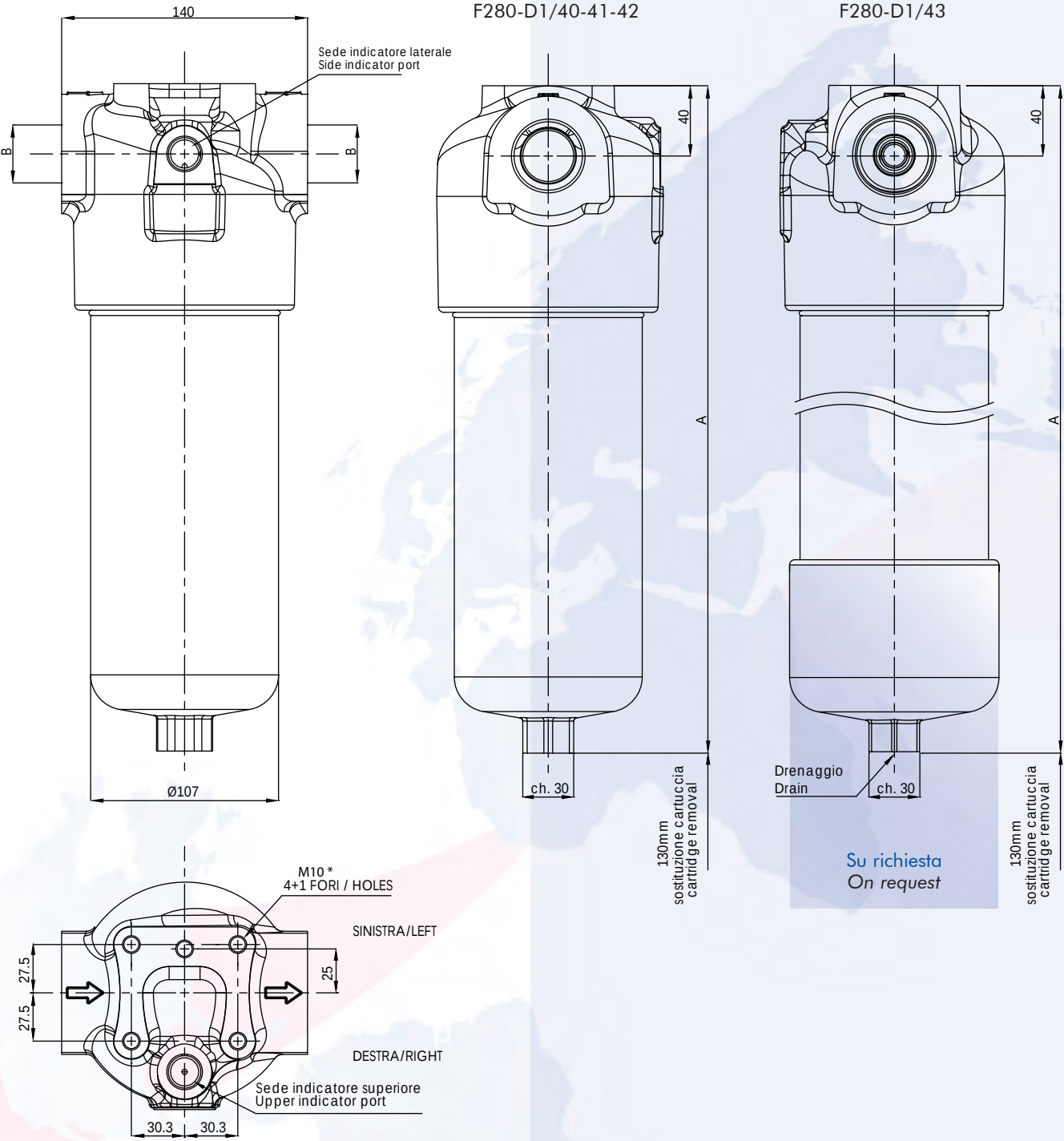
1) Grandezza nominale - Nominal size

Codice - Code	A	B	Cart. ricambio- Element
F280-D120	200	1/2" BSP	D-1-20
F280-D124	243	3/4" BSP	D-1-24
F280-D121	293	1" BSP	D-1-21
		M22 x 1,5	

Per NPT e M22 x 1,5 contattare l'ufficio commerciale
For NPT and M22 x 1,5 please contact sales department

*Per fori di fissaggio UN contattare l'ufficio commerciale
*For UN thread fixing for holes please contact sales department

Informazioni dimensionali - Overall dimensions



1) Grandezza nominale - Nominal size

Codice - Code	A	B	Cart. ricambio- Element
F280-D140	248	1" 1/4 BSP 1" 1/2 BSP	D-1-40
F280-D141	341		D-1-41
F280-D142	461		D-1-42
F280-D143*	554		D-1-43

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

*Per fori di fissaggio UN contattare l'ufficio commerciale
*For UN thread fixing for holes please contact sales department

*Contattare l'ufficio commerciale
*Please contact sales department

2) Grado di filtrazione - Filtration ratings

Codice - Code	Materiale - Media	Efficienza - Efficiency
0	senza cartuccia / no element	-----
G03	microfibra inorganica / microglass fiber	$\beta_{4,5 \mu m (c)} \geq 1000$
G06	microfibra inorganica / microglass fiber	$\beta_{7 \mu m (c)} \geq 1000$
G10	microfibra inorganica / microglass fiber	$\beta_{12 \mu m (c)} \geq 1000$
G15	microfibra inorganica / microglass fiber	$\beta_{18 \mu m (c)} \geq 1000$
G25	microfibra inorganica / microglass fiber	$\beta_{27 \mu m (c)} \geq 1000$
C10	carta / cellulose	$\beta_{10 \mu m (c)} \geq 2$

Solo Δp 21 Bar
 Δp 21 Bar (305 psi) only

3) Collasso cartuccia - Element collapse

Codice - Code	Δp (Bar) - Δp (psi)
A	21Bar / 305 psi
B	210Bar / 3045 psi

4) Guarnizioni - Seals

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

5) Conessioni - Connection port

Codice - Code	B	C
B3	1/2" BSP	M10
B4	3/4" BSP	M10
B5	1" BSP	M10
B6	1" 1/4 BSP	M10
B7	1" 1/2 BSP	M10
N3	1/2" NPT	3/8 - 16 UNC - 2B
N4	3/4" NPT	3/8 - 16 UNC - 2B
N5	1" NPT	3/8 - 16 UNC - 2B
N6	1" 1/4 NPT	3/8 - 16 UNC - 2B
N7	1" 1/2 NPT	3/8 - 16 UNC - 2B
M22	M22 x 1,5	M10

Su richiesta - On request

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

Codice - Code	Taratura - Setting
0	senza / without
D	6 Bar / 87 psi

7) Predisposizione indicatori - Indicator port options

Codice - Code	Posizione - Position
0	senza / without
T	lavorazione per indicatore lato destro con tappo di chiusura indicator port on the right side with plug
S	lavorazione per indicatore superiore con tappo di chiusura upper indicator port side with plug

Su richiesta - On request

8) Indicatori - Indicator

Codice - Code	Tipo indicatore - Indicator type	Taratura - Setting
0	senza / without	-----
Z30	differenziale visivo differential visual switch	5 Bar 72.5 psi
Z31	differenziale visivo elettrico differential electrical visual	5 Bar 72.5 psi
Z32	differenziale visivo differential visual switch	8 Bar 116 psi
Z33	differenziale visivo elettrico differential electrical visual	8 Bar 116 psi

Codici per l'ordinazione - Ordering information

Filtro completo
Filter assembly

F280-D1

20	G10	A	V	B3	D	S	Z30
1*	2*	3*	4*	5*	6*	7*	8*

Cartuccia
Filter element

D-1

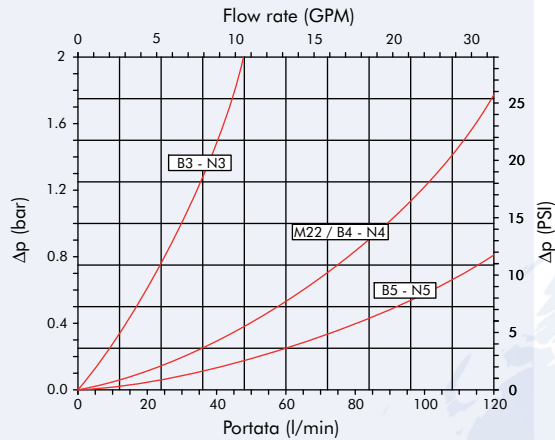
20	G10	A	V
1*	2*	3*	4*

Curve di portata - Pressure drop charts

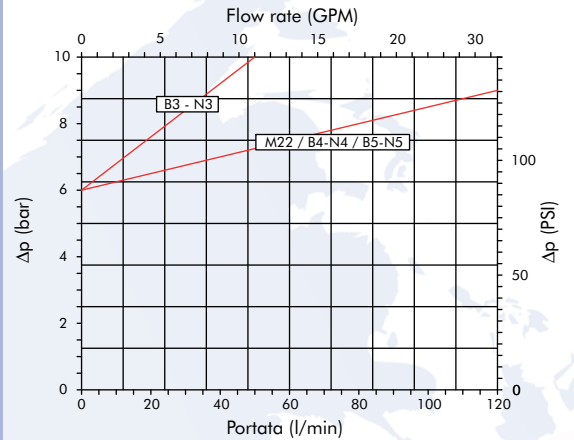
Le curve (secondo ISO 3968 classe B) sono ottenute con olio minerale avente viscosità di 30 cSt e densità di 0,86 Kg/dm³. Per viscosità e densità diverse i dati variano.

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.

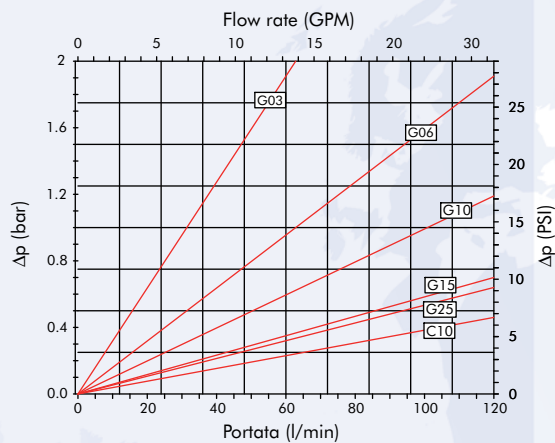
Filtro F280-D1-20/24/21
Housing F280-D1-20/24/21



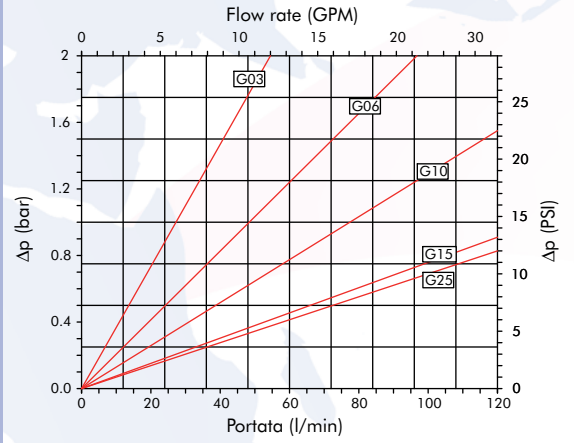
By-pass F280-D1-20/24/21
By-pass F280-D1-20/24/21



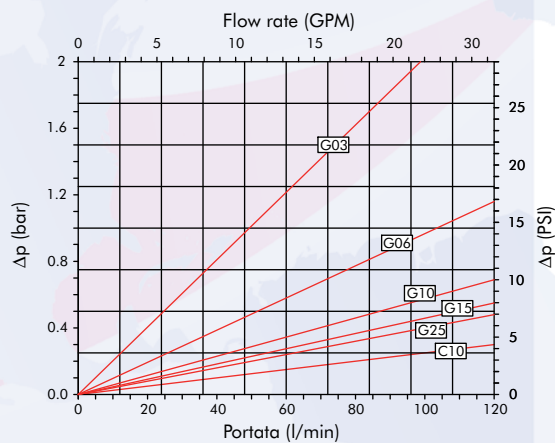
D1-20-A



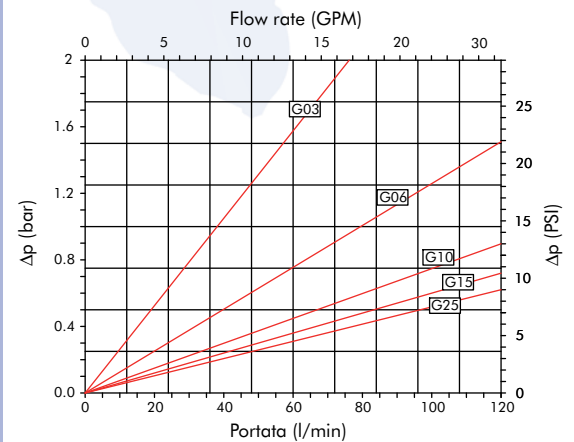
D1-20-B



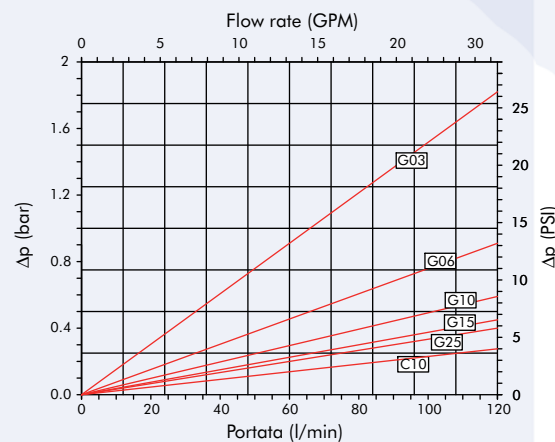
D1-24-A



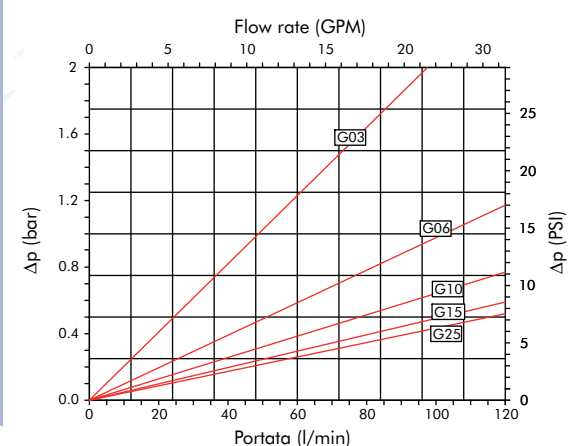
D1-24-B



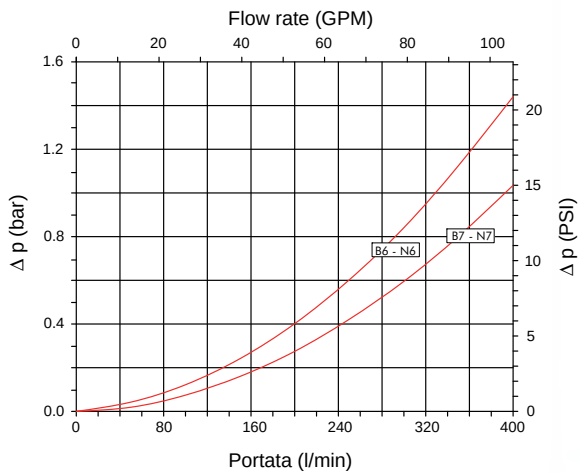
D1-21-A



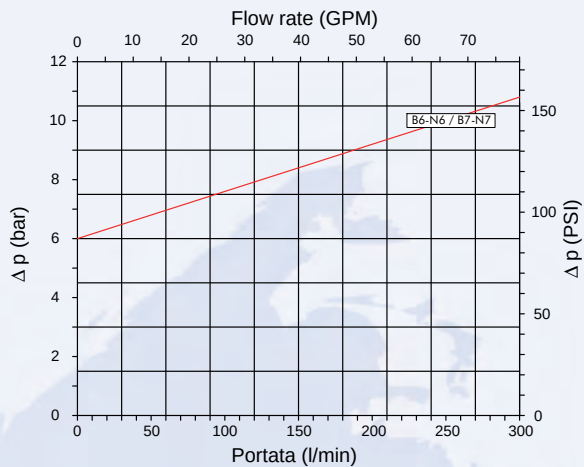
D1-21-B



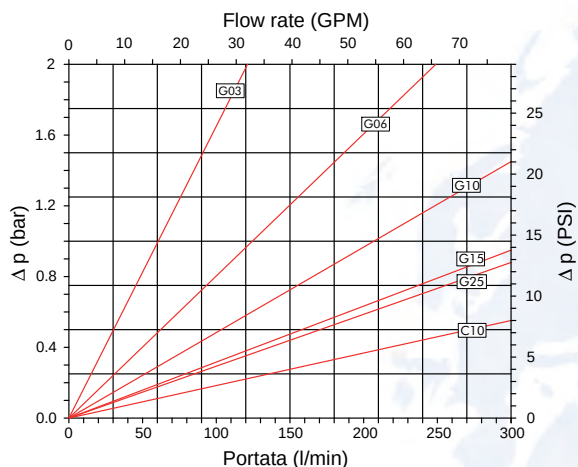
Filtro F280-D1-40/41/42/43
Housing F280-D1-40/41/42/43



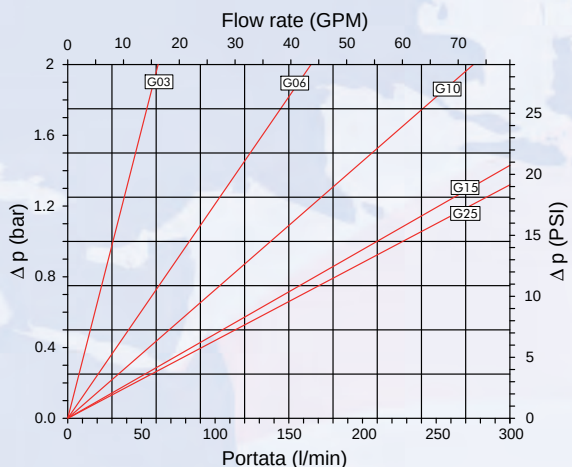
By-pass F280-D1-40/41/42/43
By-pass F280-D1-40/41/42/43



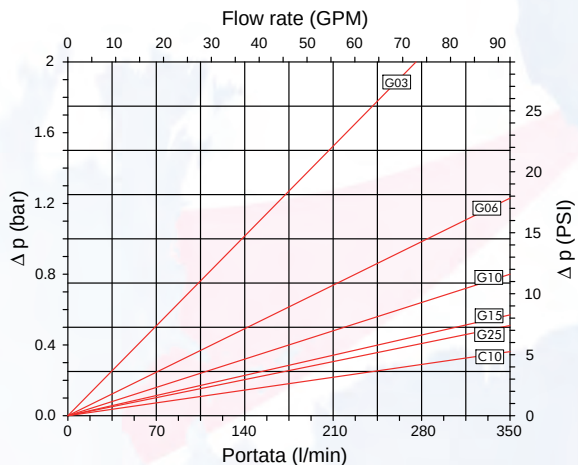
D1-40-A



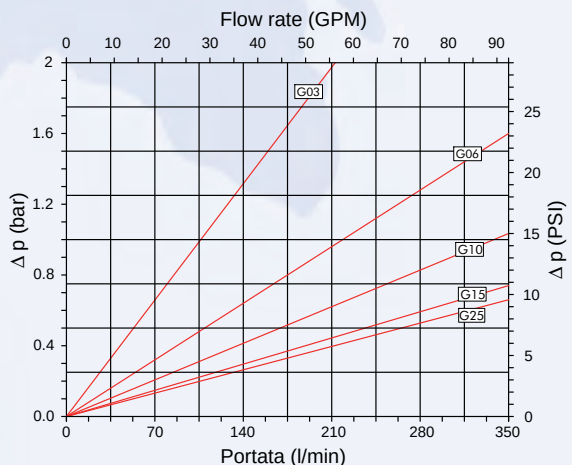
D1-40-B



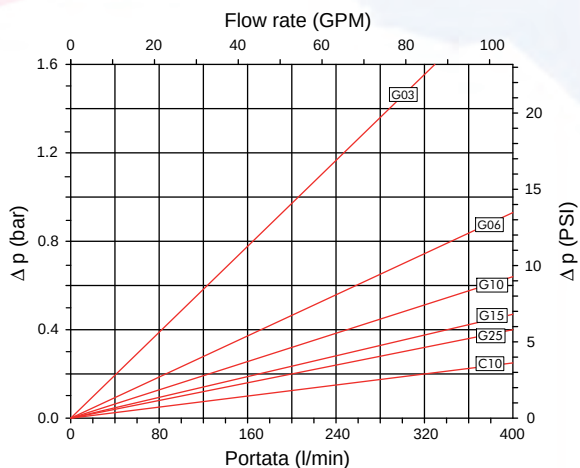
D1-41-A



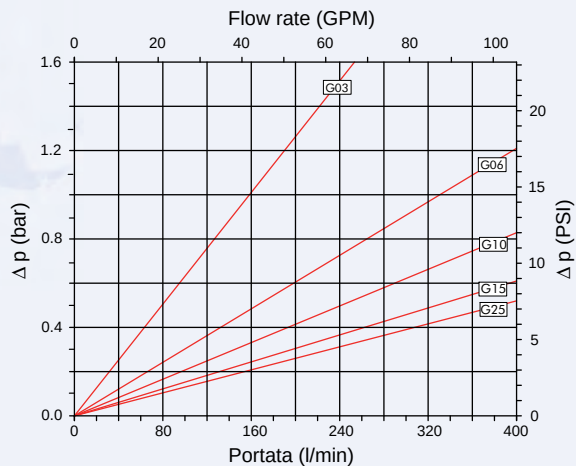
D1-41-B



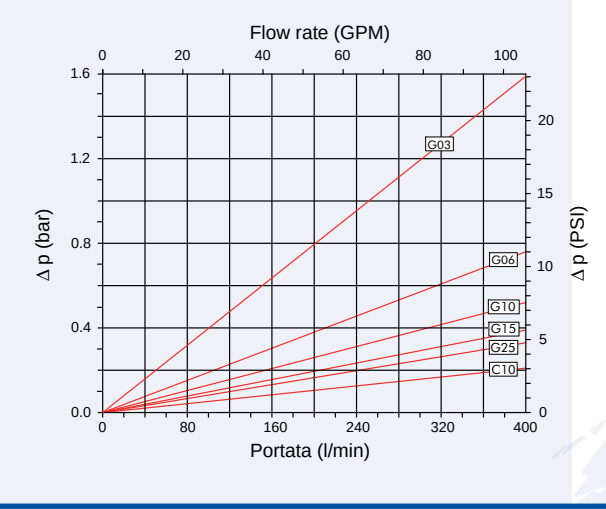
D1-42-A



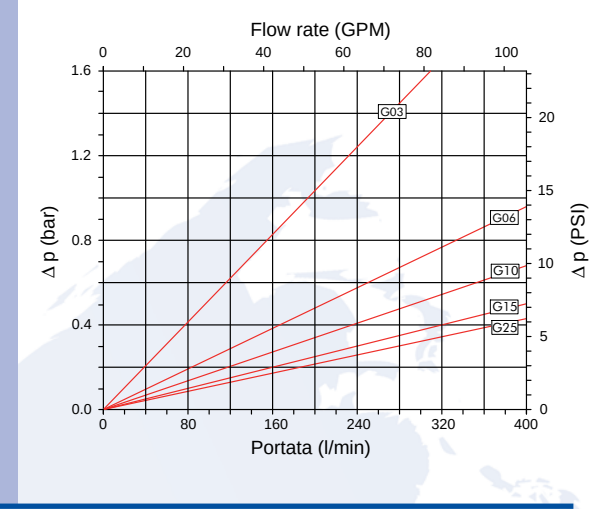
D1-42-B



D1-43-A



D1-43-B



Note - Notes

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