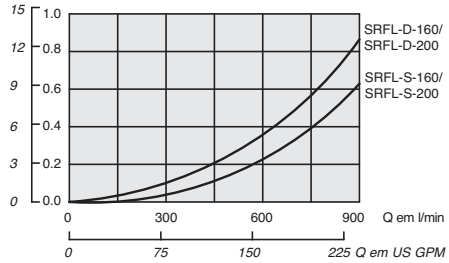
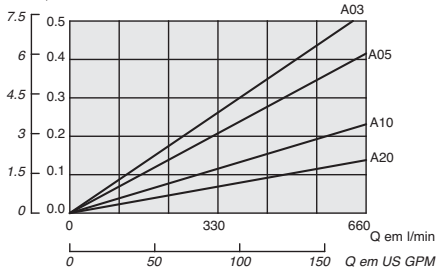
Características da vazão dos Filtros SRFL-S e SRFL-D

As características que seguem aplicam-se a óleos minerais com uma densidade de 0,85 kg/dm³ e uma viscosidade cinemática de 30 mm²/s. Foram determinadas conforme a norma ISO 3968.

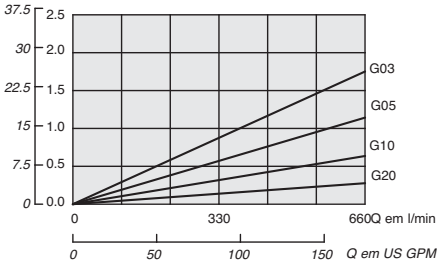
Carcaça SRFL-S/D160/200



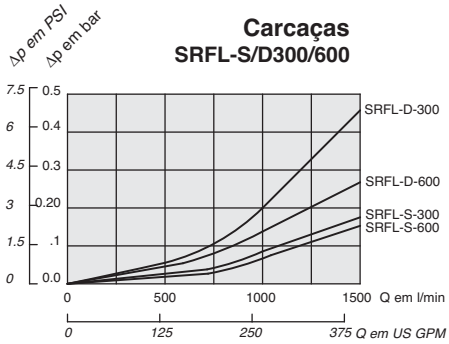
Elemento Filtrante RE160A



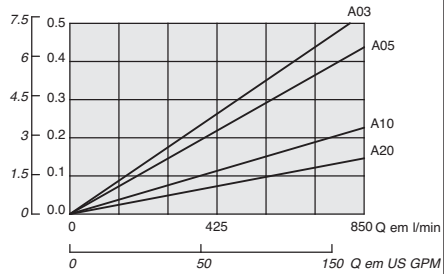
Elemento Filtrante RE160G



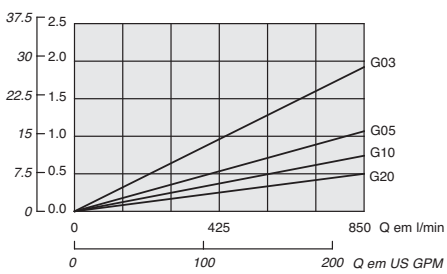
Carcaças SRFL-S/D300/600



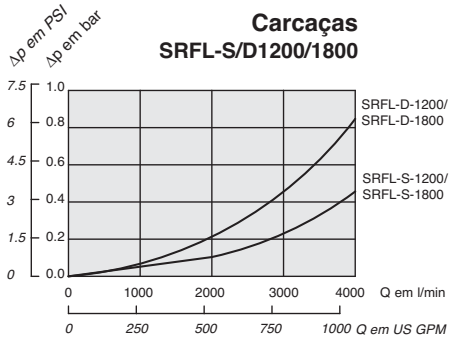
Elementos Filtrantes RE200A



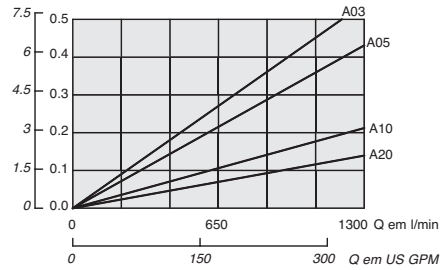
Elementos Filtrantes RE200G



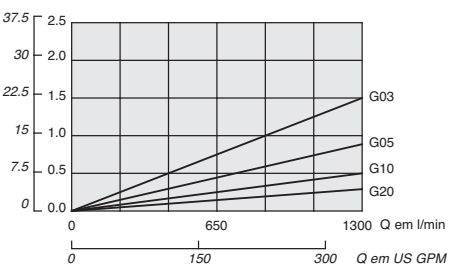
Carcaças SRFL-S/D1200/1800



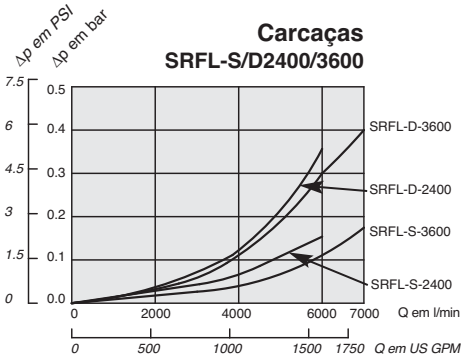
Elementos Filtrantes RE300A



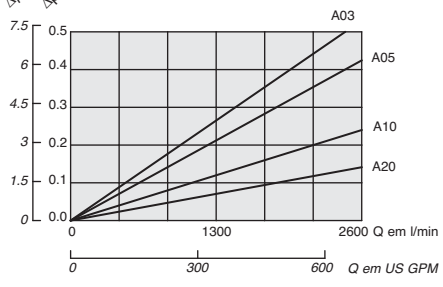
Elementos Filtrantes RE300G



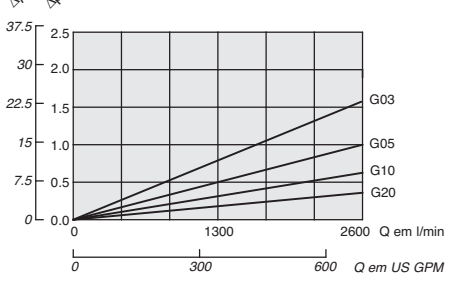
Carcaças SRFL-S/D2400/3600



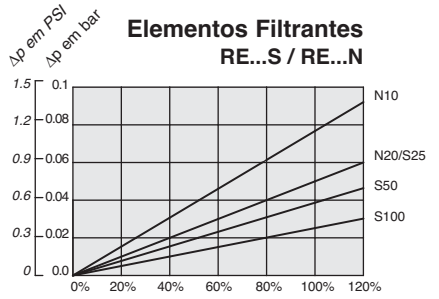
Elementos Filtrantes RE600 A



Elementos Filtrantes RE600 G



Elementos Filtrantes RE...S / RE...N



Perda de Carga Total na Carcaça com Elemento Filtrante

Geral:
- Δp_{total} = Δp_{carc} + Δp_{Elem} x (viscosidade de operação [mm²/s] / 30mm²/s)
- Δp_{carc} Veja os diagramas acima
- Δp_{Elem} Perda de carga do elemento na vazão **Q/n** (a uma viscosidade de 30 mm²/s) e n= Número de elementos listados no código para pedidos de elementos filtrantes (Veja Pág. 215) Veja diagramas acima.

Exemplo

Dados
- Q_{max} = 6000 l/min (*1585 US GPM*), RFL-D-2400 com elementos filtrantes RE-600S25B; viscosidade de operação = 100 mm²/s
- Q_{max} = 6000 l/min;n=4 elementos (SRFL-D-2400) Q/n=1500 l/min *(396 gal)*
- Δp_{carc} 0.35 bar *(5.07 PSI)*, Δp_{Elem} =0.043 bar *(0.62 PSI)*

Perda de carga: Δp_{total} = 0.35 bar + 0.043 bar x (100 mm²/s / 30mm²/s)
= 0.49 bar *(7.16 PSI)*