

TECHNICAL INFORMATION



HILCO® PH Filter Cartridges

High Flow PH312/414/518 Cartridges Reduce Cost and Space

Like the PH720 and PH739¹ cartridges, the high flow PH312, 414 and 518 cartridge sizes with double screened media are designed to handle high flows in a small package. As a result, the cartridges save money and space.

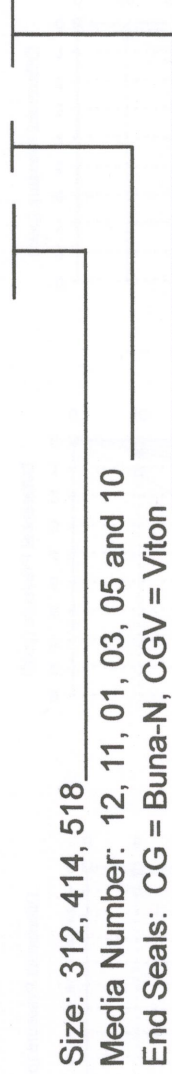
¹See PHI-5 for more information.

Features

- Double screened (epoxy coated), rigid pleat structure withstands high cyclic and pulse flow fatigue.
- Synthetic media which makes the cartridge perfect for a wide range of applications including those which would normally deteriorate a standard cellulose paper cartridge (i.e. water exposure).
- O-ring sealed ends - positive sealing for critical applications. Fully encapsulated side seam seal eliminates bypass leakage found in metal clips or flat seams.

Nomenclature

PH312-01-CG



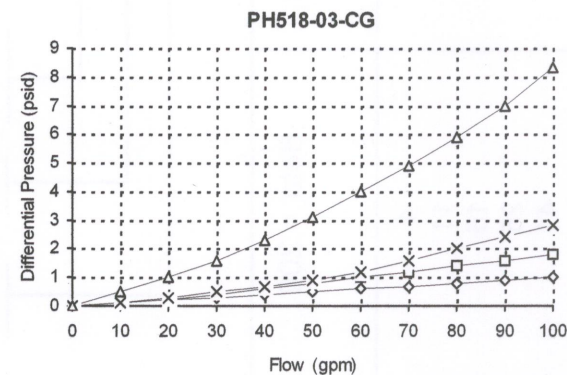
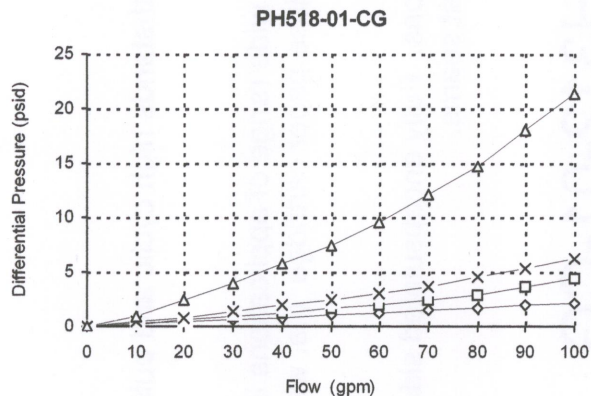
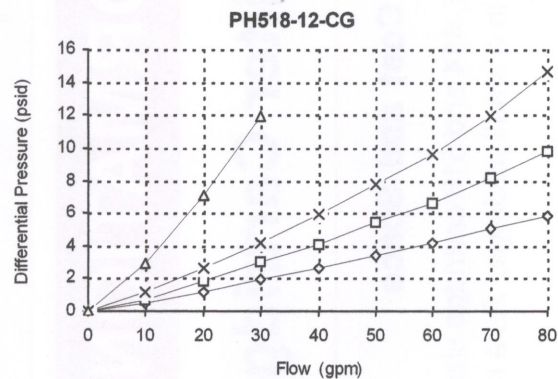
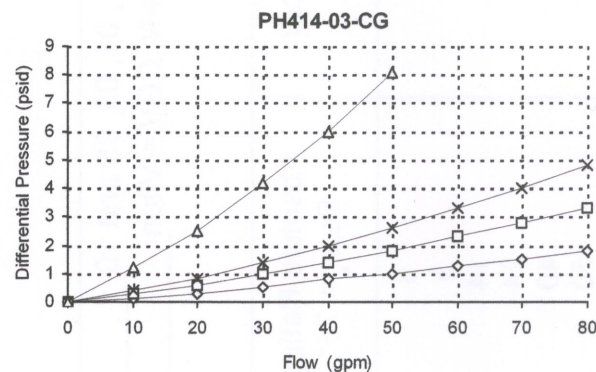
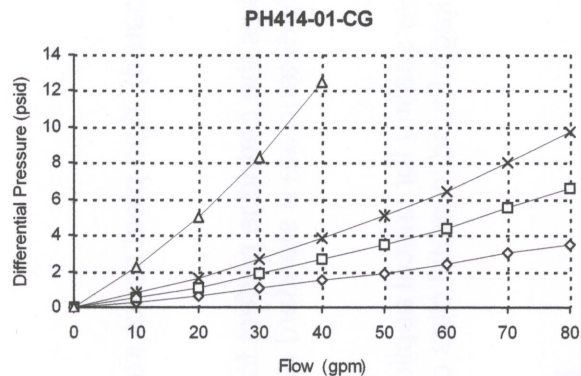
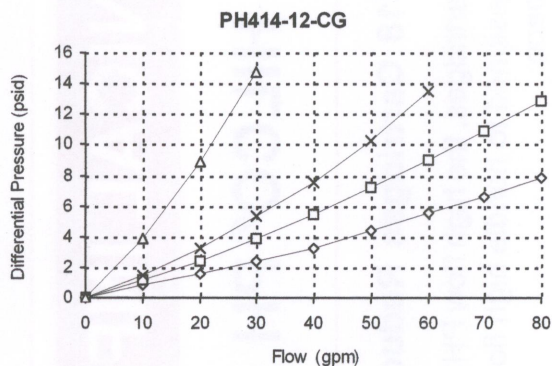
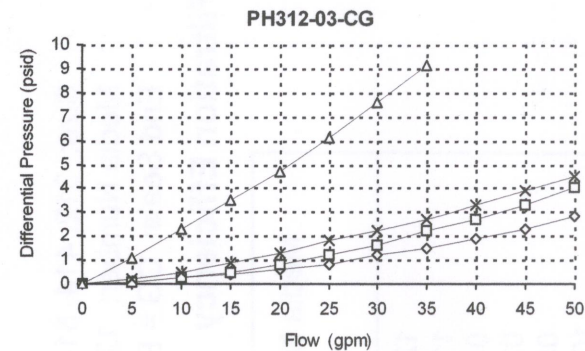
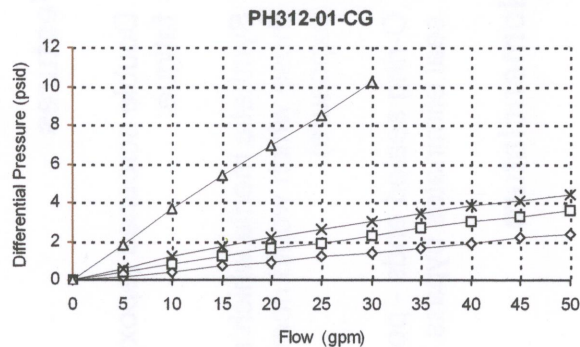
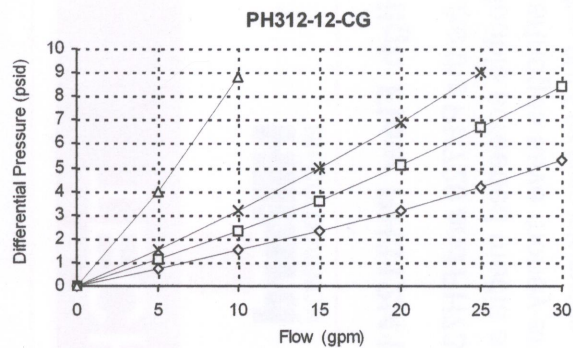
Filtration Efficiency

Media Number	Absolute Rating, x Beta _x = 75*	Beta _x = 200
12	3	4
11	9	11
01**	14	15
03	24	25
05	40	41
10	50	51

*The "Beta Ratio" system is an industry standard (ISO 4572) for measuring efficiency. For example, Beta₃ = 75 is equivalent to removing 98.7% of particles 3 micron and larger and Beta₃ = 200 is equivalent to removing 99.5% of particles 3 micron and larger.

**Meets API-614 B₁₀=10 (90% efficient at 10 micron and larger).

Differential Pressure vs. Flow Curves



◇ 100 SSU
 □ 150 SSU
 × 200 SSU
 △ 500 SSU