



## PH720/739 CG Filter Cartridges

### Designed for the Turbine/Turbo Compressor Market

#### High Flow Cartridges Reduce Cost and Space

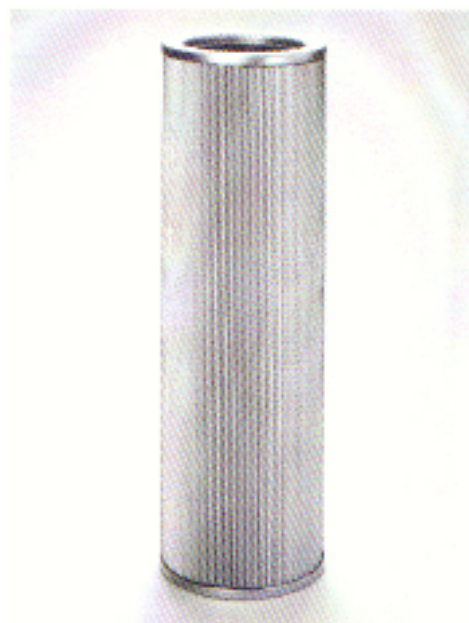
HILCO PH720 and PH739 cartridges with double screened media and large inside diameter are designed to handle high flows.

Benefits for the system packager or OEM:

- Filter housing cost savings
- Space savings
- Cartridge cost savings

Benefits for the end user:

- Cartridge cost savings
- Smaller physical inventory
- Reduce number of inter-cartridge seals



#### Features

- Double screened, synthetic media designed for filtering:
  - Lube, seal or hydraulic oils used in turbines, engines or compressors
  - Fuel oils
  - Oils with water
  - Flushing

Cartridges are designed with a double screened, rigid pleat structure to withstand high cyclic and pulse flow fatigue.

The synthetic media enables the cartridge to be used in 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. O-rings are Buna-N as standard. Optional Viton available.

#### Filtration Efficiency

| Media Number | Absolute Rating, x<br>Beta <sub>x</sub> = 75 * | Beta <sub>x</sub> = 200 |
|--------------|--|-------------------------|
| 12           | 3  | 4                       |
| 01           | 15   | 17                      |
| 03           | 29   | 30                      |
| 05           | 40   | 41                      |
| 10           | 50   | 51                      |

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



# Hilliard

## Specifications

### Construction Materials:

Media: Double screened (epoxy coated steel), synthetic

Centertubes: Plated and epoxy coated steel

End caps: Coated steel

O-ring seals: Buna-N (standard, others available)

Collapse Pressure: 100 psid (6.9 bar)

Maximum Service Temperature: 250°F

| Cartridge   | Sold in Quantities of | Single Cartridge Weight | Dimensions           | Data Sheet |
|-------------|-----------------------|-------------------------|----------------------|------------|
| PH739-XX-CG | 2                     | 14 lbs. (6.3 kg.)       | 6-1/4 OD X 39-5/8 L  | DD-700-33  |
| PH720-XX-CG | 4                     | 7 lbs. (3.2 kg.)        | 6-1/4 OD X 19-5/16 L | DD-700-32  |

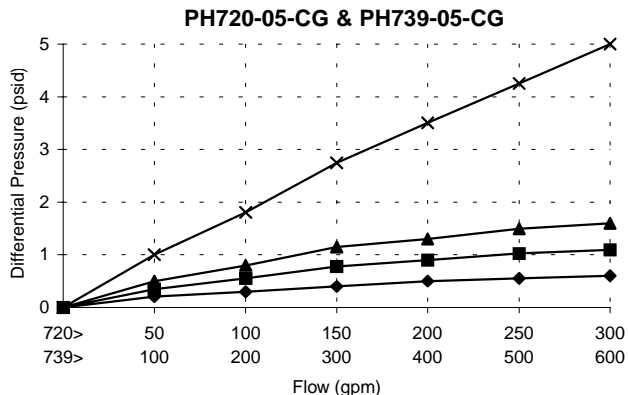
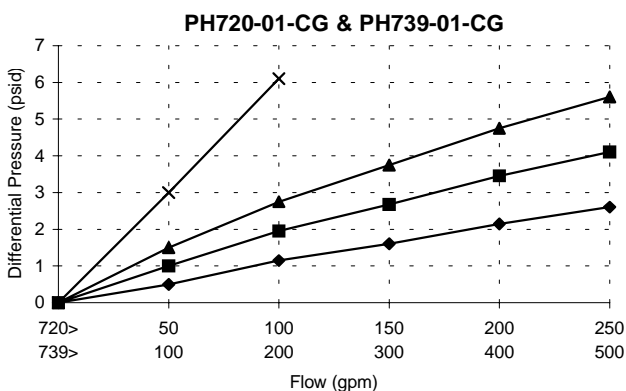
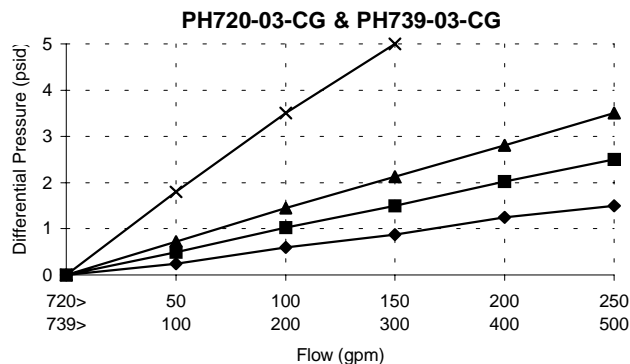
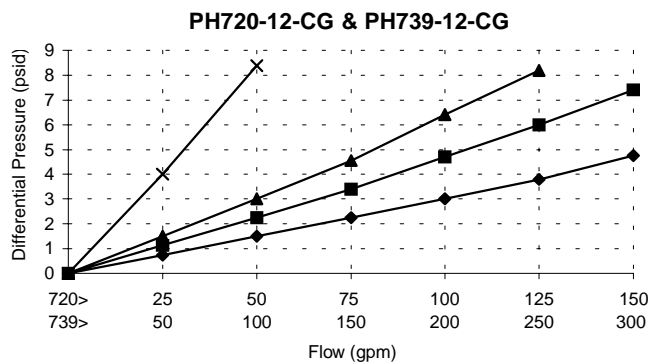
## Nomenclature

## PH720-01-CG

Size 720 and 739

Media Number: 12, 01, 03, 05 and 10

End Seals: CG = Buna-N, CGV = Viton  
(Other materials available - consult factory)



- ◆ 100 SSU
- 150 SSU
- ▲ 200 SSU
- × 500 SSU



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