PH618/636 CG Filter Cartridges

Features a new O-ring seal design!

Replaces the PH718-CN series in new installations.

Note: Is not interchangeable with the PH718-CN; requires a compatible vessel.

The Hilco PH618/636CG cartridges feature the same proven high-capacity deep pleat geometry of the ubiquitous 718 style cartridge but with a modern o-ring seal design. New o-ring design solves the age-old flat-gasket sealing problem of eliminating potential by-pass leakage. Currently available in a 36-inch length to minimize the number of inter-cartridge seals in a vessel, and to simplify cartridge changeout.

Features

- Microglass filter media is sandwiched between two protective layers of Nylon media, then supported with an inner and outer layer of epoxy-coated steel screen.
- Inner and outer support screens provide a rigid pleat structure to withstand high cyclic and pulse flow fatigue.
- Synthetic media enables the cartridge to be used in a wide range of applications, including those which could deteriorate a standard cellulose paper cartridge (e.g. water exposure).
- O-ring sealed ends means positive sealing for critical applications.

Applications

- Lube, seal, or hydraulic oils used in turbines, engines, and compressors
- Fuel oils
- Oils with water
- Water and water-based fluids
- Flushing

Specifications

Construction Materials:

- **Media:** Microglass filter media sandwiched bweteen two protective layers of nylon media then supported with an inner and outer layer of epoxy steel screen.
- **Center Tubes:** Tin-plated steel
- **End Caps:** Coated steel
- **O-ring Seals:** Buna-N standard, others are available
- **Collapse Pressure:** 100 psid (6.9 bar)
- **Maximum Service Temperature:** 250º F

Filtration Efficiency

Media Number	$Beta_x$ = 75*	$Beta_x$ = 200*	$Beta_x$ = 1000*
-16		2	3
-14	2	3	5
-12	3	4	6
-11	9	10	12
-01	14	15	17
-03	24	25	27
-05	40	41	43
-10	50	51	53
-20	64	69	74
-40	100	110	125

Bypass Leakage Information

Cartridge bypass leakage of as little as 1% can limit the maximum Beta Ratio to Beta = 100, no matter how efficient the media actually is. At 2% bypass leakage, the maximum Beta will be Beta = 50. A $Beta_3$ = 1000 cartridge would become a $Beta_3$ = 50 with a 2% bypass.

The o-ring seal PH618/636-CG insures you get the full filtration efficiency that you paid for.

*The "Beta Ratio" rating is an industry standard for measuring particle separation efficiency. For example, $Beta_3$ = 75 is equivalent to removing 98.7% of all particles 3 micrometers and larger and $Beta_3$ = 200 is equivalent to removing 99.5% of all particles 3 micrometers and larger.

Cartridge	Sold in Quantities of	Single Cartridge Weight	Dimensions Nominal
PH618-XX-CG	4	7 lbs.	6" OD x 18"
PH636-XX-CG	2	14 lbs.	6" OD x 36"

The Hilliard Corporation reserves the right to change specifications and dimensions at any time. Please contact the factory for the most current information.

The Hilliard Corporation
100 West Fourth Street
Elmira, New York 14902-1504
Phone: 607-733-7121
Fax: 607-737-1108
http://www.hilliardcorp.com

Your Local Representative:

Hilliard HILCO® DIVISION