

PL Filter Cartridges



Hilco® PL Filter Cartridges for filtration of oils and other fluids.

The Hilco PL Microgard™ and Safeguard™ series of cartridges are comprised of five sizes and six media grades to satisfy every filtration requirement. Microgard™ is a three-ply sandwich element with micro glass core. The Safeguard™ is a premium grade, single-ply resin bonded cellulose in controlled radius-pleat construction.

The 310 and 511 size cartridges feature strong urethane ends and nylon center tubes for ease of disposal.

The 518 size cartridge features the strong urethane ends and steel center tubes for added structural support.

The 718 and 736 sizes have tin-plated metal end caps and the steel center tubes.



Recommended applications for each media grade:

Microgard™ 12 Filter Cartridges

- Hydraulic test stands
- High-pressure hydraulic systems
- Servo valves used in hydraulic systems
- High-speed lubricated couplings
- Trap and polishing filters
- Insulating oils

Safeguard™ 02 and 03 Filter Cartridges

- Medium-pressure hydraulic systems
- Second-stage fuel injection
- Medium-speed lubricated couplings
- High-pressure seal oils
- Final filtration

Safeguard™ 05 Filter Cartridges

- Low-pressure hydraulic systems
- First-stage fuel injection
- Turbine and gas engine lubes
- Gear and roll oils
- Heat transfer fluids
- Low-speed lubricated couplings
- Low-pressure seal oils

Safeguard™ 10 and 20 Filter Cartridges

- Diesel engine lubes
- Bulk fuel filtration
- Quench oils

Filtration Efficiency

Features and Benefits

- Controlled radius pleats that maximize filtration area and dirt-holding capacity
- Large outside radius and small inside radius pleats for strong, uniformly spaced pleats to resist bunching, distortion, and rupture
- Rugged end caps and center tubes
- Reliable end gaskets to prevent fluid by-pass
- Collapse pressure: 100 PSID
- Maximum service temperature: 250° F

Media Number	Beta _x = 75*	Beta _x = 200*
-12	3	4
-02	15	17
-03	28	30
-05	41	44
-10	49	52
-20	57	60

Consult a Hilco sales engineer regarding the following quality filter cartridges also manufactured by Hilliard.

**The "Beta Ratio" rating is an industry standard for measuring particle separation efficiency. For example, Beta₃ = 75 is equivalent to removing 98.7% of all particles 3 micrometers and larger and Beta₃ = 200 is equivalent to removing 99.5% of all particles 3 micrometers and larger.*

Style	Filter Media	Filter Type
PH	Pleated Synthetic	Fluid Filtration
PD	Hilsorb	Water Absorbing
DS	Saflow Stacked Disc	Depth Filtration
DD	Saflow D Disc	Depth Filtration
HP	Synthetic	High Pressure
HT	Fullers' Earth	Acid Reduction
AT	Activated Alumina	Acid Reduction
ST	Selexsorb	Fluid Conditioning
ET	Ion Exchange	Fluid Conditioning

Nomenclature

PL718-03-CN

Size: 310, 511, 518, 718, and 736

Media Number: 02, 03, 05, 10, 12, and 20

End Seal Arrangement (consult factory)



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