

Hilsorb™ Dryer Cartridge



HILCO
A Division of THE HILLIARD CORPORATION

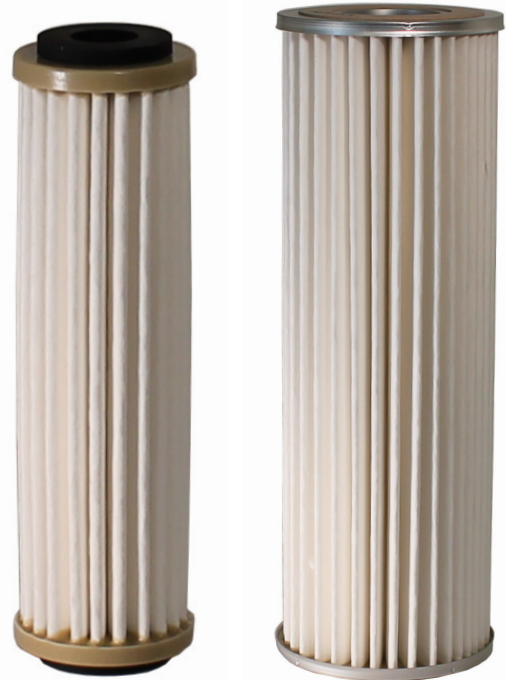
High Efficiency Water and Particulate Removal

PD Series Pleated Driver

The Hilco® Hilsorb™ Super-Absorbent Dryer Cartridge combines high efficiency particulate filtration with high-capacity water absorption in a single pleated cartridge. The Hilsorb™ cartridge excels in applications requiring moisture control and high filtration efficiency such as insulating, hydraulic, lube, and fuel oils.

The Hilsorb™ Dryer features high-volume solid particulate and water removal capacity. The patented pleated construction permits higher flow rates at lower pressure drops than other dryer cartridges. The proprietary arrangement of the media layers provides a low pressure drop throughout the useful life of the cartridge, but as it nears saturation with water, the pressure drop increases to signal the need for a change.

The high-capacity Hilsorb™ saves money by processing more gallons of oil with fewer changes. It maintains high dielectric strength and greater stability in transformer oils. Hydraulic equipment is protected from water damage while long life is assured through high filtration efficiency.



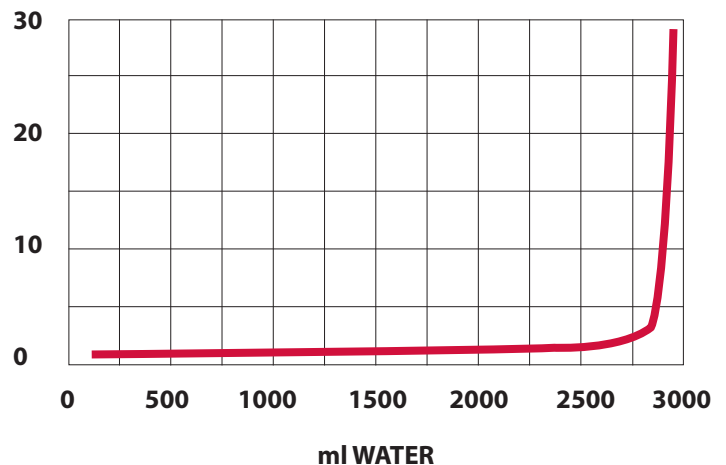
APPLICATIONS

- Insulating Oils
- Hydraulic Oils
- Lube Oils
- Fuel Oils

BENEFITS

- High water-holding capacity
- Efficient particulate removal
- Low initial pressure drop
- High flow rate
- Increasing pressure drop signals saturation

PD718-03-CN
TYPICAL PRESSURE RISE CURVE



Typical pressure rise curve with water absorption demonstrates the nearly flat low pressure drop curve until the cartridge is nearly saturated.

Hilsorb™ Performance Data & Specifications

- Removes up to 99.8% free water in a single pass
- Can achieve as low as 25 PPM water on recirculation

-12: For Best Particulate Removal Efficiency, Fine Silt Control, Carbon Fines

| | PD718-12-CN | PD511-12-C | PD310-12-C |
|---------------------------|-------------|-------------|-------------|
| Area, sq. ft. | 10.36 | 3.65 | 1.82 |
| Flow, gpm | 10 | 1 | .5 |
| Water Capacity, ml | 2015 | 775 | 245 |
| Dirt Capacity, gms | 107 | 38 | 19 |
| Beta Ratio | $B_4 = 200$ | $B_4 = 200$ | $B_4 = 200$ |

-03: For Highest Water Capacity

| | PD718-03-CN | PD511-03-C | PD310-03-C |
|---------------------------|----------------|----------------|----------------|
| Area, sq. ft. | 14.5 | 5.07 | 1.93 |
| Flow, gpm | 10 | 1 | .5 |
| Water Capacity, ml | 2735 | 1375 | 435 |
| Dirt Capacity, gms | 131 | 46 | 17 |
| Beta Ratio | $B_{28} = 200$ | $B_{28} = 200$ | $B_{28} = 200$ |

Hilsorb™ Cartridge Specifications

| Cartridge | Data Sheet | ID (inches) | OD (inches) | Length (inches) | Quantity per Box | Shipping Weight (lbs.) |
|--------------|------------|----------------|----------------|--------------------|---------------------|---------------------------|
| PD718-12-CN | DD-700-35 | 2.56 | 6.25 | 18 | 4 | 18 |
| PD718-12-CRN | DD-700-79 | 2.093 | 6.25 | 18 | 4 | 18 |
| PD718-03-CN | DD-700-35 | 2.56 | 6.25 | 18 | 4 | 21 |
| PD718-03-CRN | DD-700-79 | 2.093 | 6.25 | 18 | 4 | 21 |
| PD511-12-C | DD-700-83 | 1.75 | 4.68 | 11 | 4 | 7 |
| PD511-03-C | DD-700-83 | 1.75 | 4.68 | 11 | 4 | 7 |
| PD310-12-C | DD-700-82 | 1.063 | 2.75 | 9.68 | 4 | 3 |
| PD310-03-C | DD-700-82 | 1.063 | 2.75 | 9.68 | 4 | 3 |

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



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