

# Hilsorb Dryer Cartridge



## High Efficiency Water and Particulate Removal

### PD Series Pleated Dryer

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.

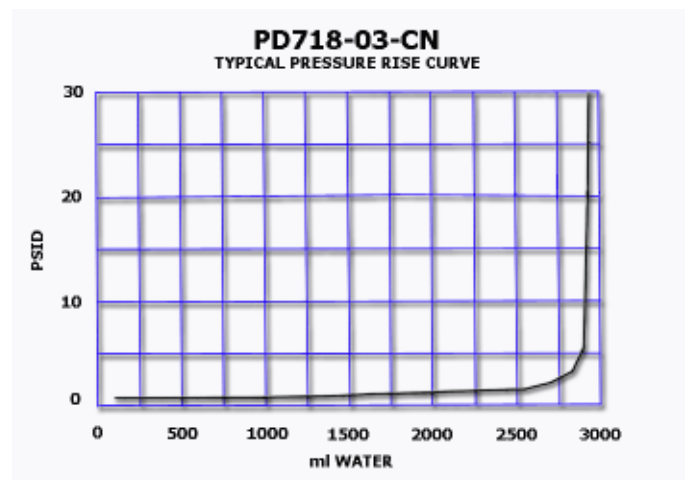


### Applications

- 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



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

### Hilsorb™ Performance Data

- 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 specifications and dimensions at any time.  
Please contact the factory for the most current information.*

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