

# 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.

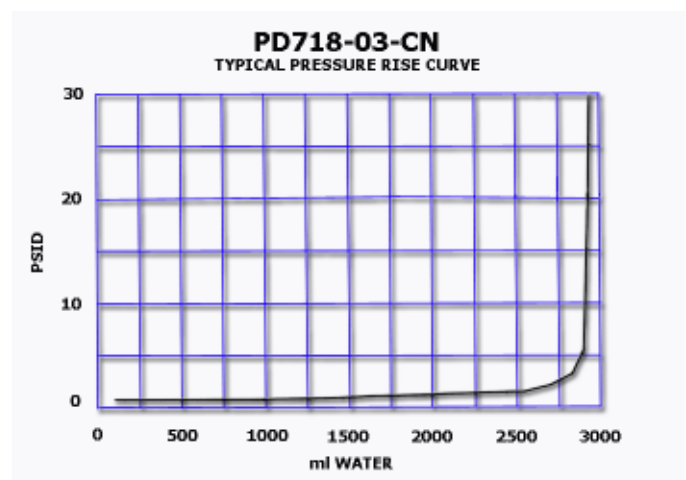


### Applications

- 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**

	<b>PD718-12-CN</b>	<b>PD511-12-C</b>	<b>PD310-12-C</b>
<b>Area, sq. ft.</b>	10.36	3.65	1.82
<b>Flow, gpm</b>	10	1	.5
<b>Water Capacity, ml</b>	2015	775	245
<b>Dirt Capacity, gms</b>	107	38	19
<b>Beta Ratio</b>	B <sub>4</sub> =200	B <sub>4</sub> =200	B <sub>4</sub> =200

**-03: For Highest Water Capacity**

	<b>PD718-03-CN</b>	<b>PD511-03-C</b>	<b>PD310-03-C</b>
<b>Area, sq. ft.</b>	14.5	5.07	1.93
<b>Flow, gpm</b>	10	1	.5
<b>Water Capacity, ml</b>	2735	1375	435
<b>Dirt Capacity, gms</b>	131	46	17
<b>Beta Ratio</b>	B <sub>28</sub> =200	B <sub>28</sub> =200	B <sub>28</sub> =200

**Hilsorb™ Cartridge Specifications**

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

**The Hilliard Corporation**  
 100 West Fourth Street  
 Elmira, New York 14902-1504  
 Phone: 607-733-7121  
 Fax: 607-733-0928  
<http://www.hilliardcorp.com>

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**Your Local Representative:**

**Northeast Filter & Equipment Co.**  
 135 Parker Court  
 Chardon, OH 44024  
 PH: 800-333-6332  
 FX: 440-285-0730  
[www.nefilter.com](http://www.nefilter.com)



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