

# PRODUCT INFORMATION

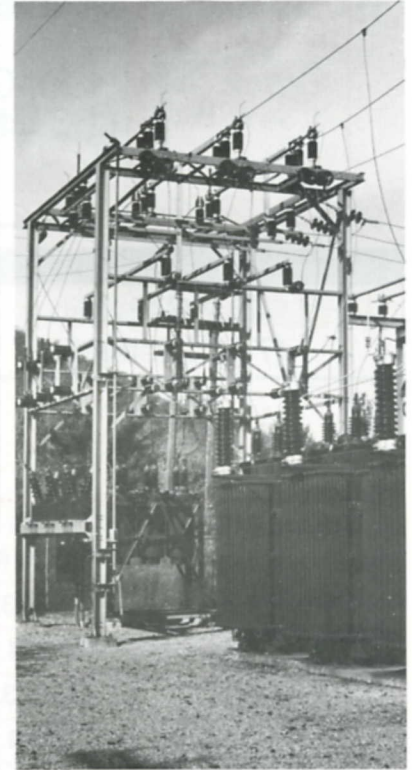
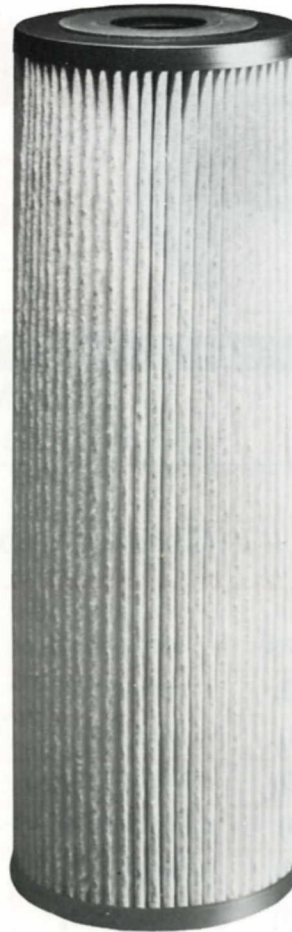


## Hilsorb™ Dryer Cartridge

The Hilsorb™ Dryer Cartridge provides highly-effective filtration to remove water and particulates from oils. It gives high performance in applications where moisture control and filtration efficiency are of primary importance including insulating, hydraulic, lube and fuel oils.

Featuring high-volume capacity for removal of water and particulates, Hilco's® Hilsorb dryer cartridge permits higher flow rates at lower pressure drops than other dryer cartridges. It also features high filtration efficiency (Beta Ratio).

The Hilsorb patented cartridge allows more gallons of oil to be processed with fewer changes. It maintains high dielectric strength and greater stability in transformer oils. Hydraulic equipment is protected from water damage while longer life is assured through filtration efficiency. When used as a final fuel filter, it can serve as a fuel shut off. This is achieved by a rapid increase in pressure when the cartridge becomes saturated.



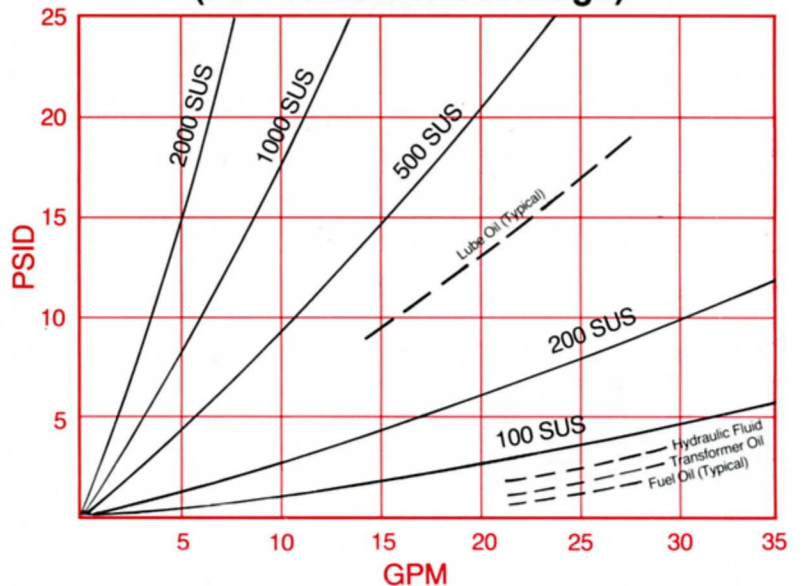
### Applications:

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

### Benefits:



- High water holding capacity
- Efficient particulate removal
- Low initial pressure drop
- High flow rate
- Flow shut-off at saturation

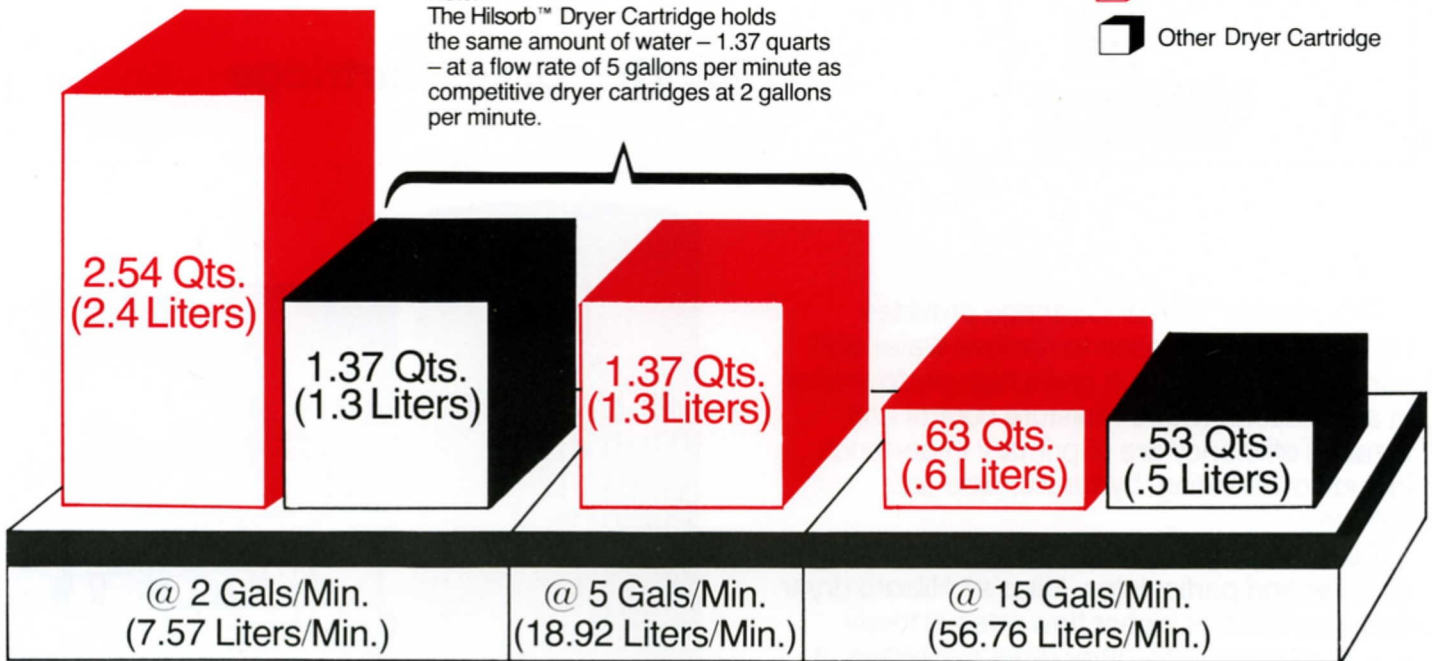
Pressure Drop vs Flow Rate  
(PD718-12-CR Cartridge)



# Water Holding Capacity

Note:  
The Hilsorb™ Dryer Cartridge holds the same amount of water – 1.37 quarts – at a flow rate of 5 gallons per minute as competitive dryer cartridges at 2 gallons per minute.

 Hilsorb™ Dryer Cartridge  
 Other Dryer Cartridge



## Cartridge Specifications

ITEM NUMBER*	ID Inches (cm)	OD Inches (cm)	LENGTH Inches (cm)	BETA RATIOS**	
				BETA <sub>10</sub>	BETA <sub>5</sub> or BETA <sub>30</sub> ***
PD511-12-C	1 <sup>3</sup> / <sub>16</sub> (3.0)	4 <sup>9</sup> / <sub>16</sub> (11.6)	11 (27.9)	Beta <sub>10</sub> = 1,000	Beta <sub>5</sub> = 75
PD511-12-C	1 <sup>3</sup> / <sub>4</sub> (4.4)	4 <sup>9</sup> / <sub>16</sub> (11.6)	11 (27.9)	Beta <sub>10</sub> = 1,000	Beta <sub>5</sub> = 75
PD511-03-C	1 <sup>3</sup> / <sub>16</sub> (3.0)	4 <sup>9</sup> / <sub>16</sub> (11.6)	11 (27.9)	Beta <sub>10</sub> = 1.5	Beta <sub>30</sub> = 75
PD511-03-C	1 <sup>3</sup> / <sub>4</sub> (4.4)	4 <sup>9</sup> / <sub>16</sub> (11.6)	11 (27.9)	Beta <sub>10</sub> = 1.5	Beta <sub>30</sub> = 75
PD718-12-CR	2 <sup>3</sup> / <sub>32</sub> (5.3)	6 <sup>1</sup> / <sub>8</sub> (15.6)	17 <sup>7</sup> / <sub>8</sub> (45.4)	Beta <sub>10</sub> = 1,000	Beta <sub>5</sub> = 75
PD718-12-C	2 <sup>9</sup> / <sub>16</sub> (6.5)	6 <sup>1</sup> / <sub>8</sub> (15.6)	17 <sup>7</sup> / <sub>8</sub> (45.4)	Beta <sub>10</sub> = 1,000	Beta <sub>5</sub> = 75
PD718-12	3 <sup>5</sup> / <sub>32</sub> (8.0)	6 <sup>1</sup> / <sub>8</sub> (15.6)	17 <sup>7</sup> / <sub>8</sub> (45.4)	Beta <sub>10</sub> = 1,000	Beta <sub>5</sub> = 75
PD718-03-CR	2 <sup>3</sup> / <sub>32</sub> (5.3)	6 <sup>1</sup> / <sub>8</sub> (15.6)	17 <sup>7</sup> / <sub>8</sub> (45.4)	Beta <sub>10</sub> = 1.5	Beta <sub>30</sub> = 75
PD718-03-C	2 <sup>9</sup> / <sub>16</sub> (6.5)	6 <sup>1</sup> / <sub>8</sub> (15.6)	17 <sup>7</sup> / <sub>8</sub> (45.4)	Beta <sub>10</sub> = 1.5	Beta <sub>30</sub> = 75
PD718-03	3 <sup>5</sup> / <sub>32</sub> (8.0)	6 <sup>1</sup> / <sub>8</sub> (15.6)	17 <sup>7</sup> / <sub>8</sub> (45.4)	Beta <sub>10</sub> = 1.5	Beta <sub>30</sub> = 75

\*Other sizes available upon request.

\*\*Beta<sub>x</sub> =  $\frac{\text{number of particles greater than X microns before filtration}}{\text{number of particles greater than X microns after filtration}}$  (in accordance with ANSI / B93.31-1973.)

\*\*\*A Beta equal to 75 approximates an absolute rating.

Notes: For all models shown, maximum operating temperature is 250°F.

For all models shown, minimum collapse pressure is 100 PSI in accordance with ANSI / B93.25M-1972 (R. 1980).



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