

# **SAFLOW™ Disc Cartridges**

## **Models: DF, DS & DD**

### **Stacked Disc Disposable Filter Cartridges**

**Engineered for:**

**Diesel and Gas Power  
Generation  
Lube Oil Filtration**

**Diesel Pipeline  
Compressor Driver  
Lube Oil**

**Stationary Diesel and  
Spark Ignition Engines**

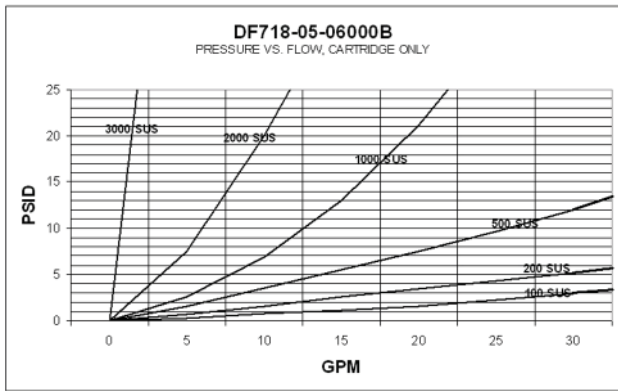
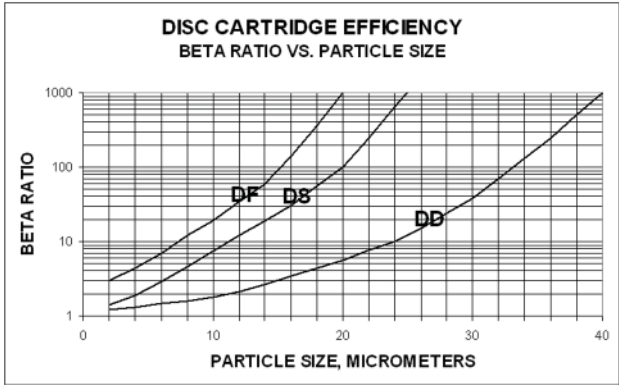


**Hilgard**  
HILCO® DIVISION

Filtration Efficiency at Beta Ratio = 200

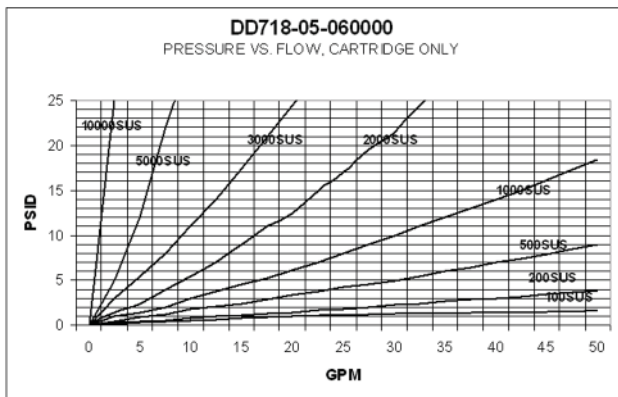
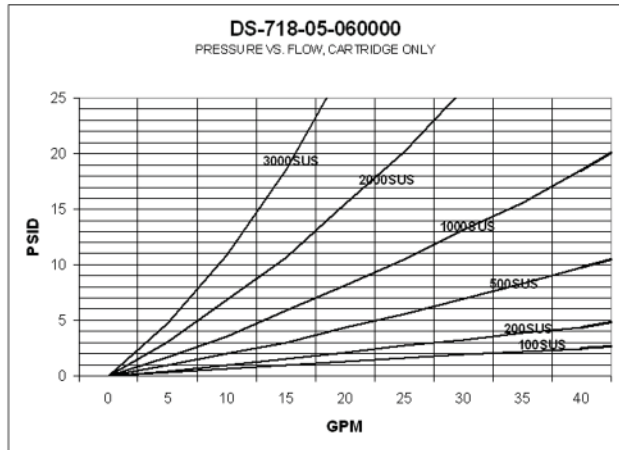
Or 99.5% Separation

- DF --- 17 micrometers
- DS --- 22 micrometers
- DD --- 36 micrometers



The DF -- **Standard** Disc Cartridge offers the highest efficiency for applications that can tolerate a slightly higher pressure drop.

The DS -- **Saflow™** cartridge will provide optimum life and efficiency at minimum cost for most operating conditions.



The DD -- **Saflow™ D** cartridge uses a specially treated wood fiber for the lowest pressure drop and highest dirt capacity for long life under severe operating conditions involving cold starts, high viscosity, and high dirt or carbon loading. Especially suited for diesel and four-cycle gas engines.

## DF (Standard Disc), DS (Saflow™), and DD (Saflow™ D) Stacked Disc Cartridges

### Diesel Lube Oil

Saflow™ and Saflow™ D Cartridges withstand cold starts and high pressure differentials. The DF Standard Disc provides a higher efficiency alternative. These specially designed stacked disc cartridges provide protection at high pressure differentials brought on by cold starts and high viscosity. The stacked cellulose paper discs with labyrinth oil channels also provide depth filtration and high dirt-holding capacity.

### Manufactured in two styles:

1. 03ZX00 Series illustrated in Figure 1, is a complete throwaway filter cartridge that includes the center core, compression spring, and end seals. Use for greatest convenience.
2. 060000 Series, illustrated in Figure 2, includes only the basic stack which is used on a non-throwaway adapter (shown in Figure 3). Use for greatest economy.



Fig. 1



Fig. 2

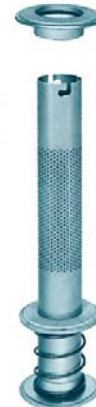


Fig. 3



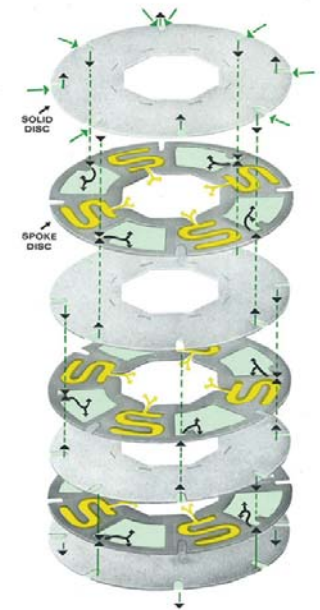
Solid filter discs are stacked alternately with spoke discs. Dirty oil enters the stack through the outside slots and is then channeled through the filter discs. The clean oil then passes out through the “S” shaped channels to exit through the center core. Solids are retained on both the surface and within the pore structure of the solid filter discs.

### Additional Features

- Beta-Rated Particle Removal
- High Flow Rate
- Low Pressure Drop
- Temperature Range 0° to 250° F
- Large Filtering Area
- Large Dirt Storage Capacity
- Low Shrinkage
- Moisture Absorption
- Inert Cellulose Filter Media
- No Additive Removal

### Applications

- Diesel Gas Engine Lubes
- Quench Oils
- EDM Coolants
- Lube Oils
- Hydraulic Oils



Hilco Cartridge Type	Filter Area (sq. in.)	Dimensions (inches)			Standard Domestic Packages	
		L.	O.D.	I.D.	Qty.	Gross lbs.
DF718-05-03ZX00	2500	18 1/16	6 5/8	2 3/32	4	32
DF736-05-03ZX00	5075	32 1/2	6 5/8	2 3/32	4	46
DF718-05-060000	2500	16 1/16	6 5/8	2 1/2	4	24
DS718-05-03ZX00	2500	18 1/16	6 5/8	2 3/32	4	32
DS736-05-03ZX00	5075	32 1/2	6 5/8	2 3/32	4	46
DS718-05-060000	2500	16 1/16	6 5/8	2 1/2	4	24
DD718-05-03ZX00	2500	18 1/16	6 5/8	2 3/32	4	32
DD736-05-03ZX00	5075	32 1/2	6 5/8	2 3/32	4	46
DD718-05-060000	2500	16 1/16	6 5/8	2 1/2	4	24

## Other Hilco Products



GS200 Machine Tool  
Coolant Recycler



Transfer Valve



Vent Mist Eliminator



HP4 Stationary Filter



Ceramic Membrane System

*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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