

SAFLOW™ DISC CARTRIDGE

Stacked Disc
Disposable Filter Cartridges



ENGINEERED FOR:

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

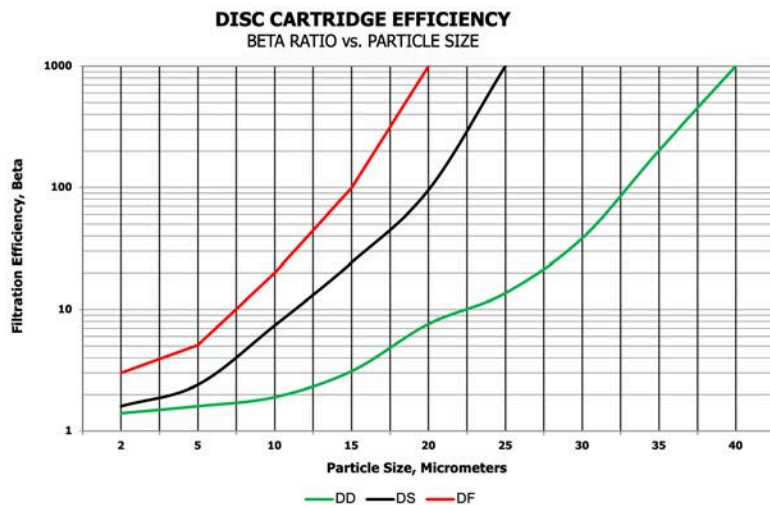
**Diesel Pipeline Compressor
Driver Lube Oil**

**Stationary Diesel and Spark
Ignition Engines**

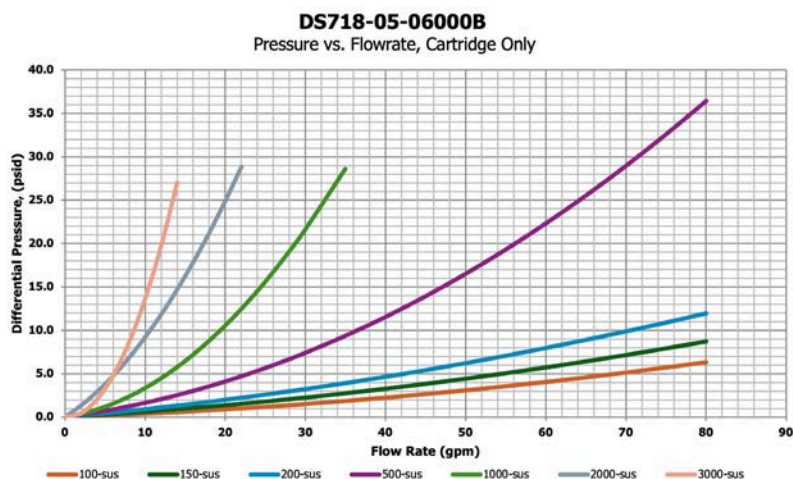


MODELS **DF**
DS
DD

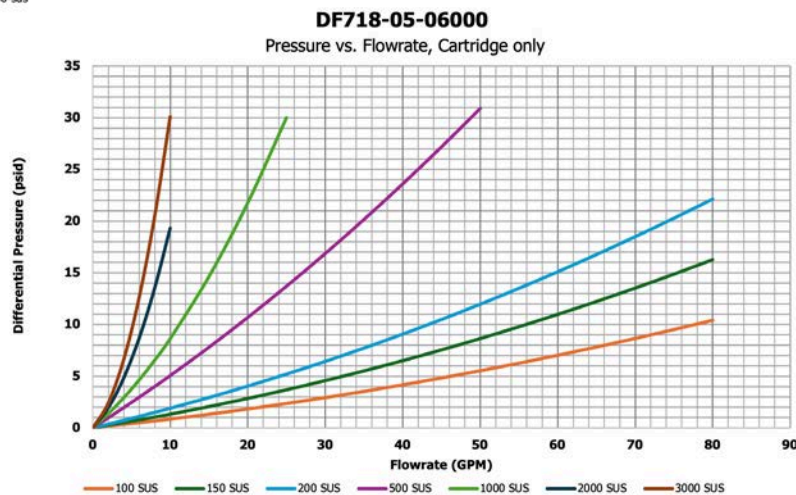
**Filtration Efficiency at Beta Ratio = 200
Or 99.5% Separation**
DF — 17 micrometers
DS — 22 micrometers
DD — 36 micrometers



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



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



The DD - Saflow™ 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.



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. Use for greatest economy.



Solid
Disc

Spoke
Disc



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.

DF (Standard Disc)
DS (Saflow™)
DD (Saflow™ D)



Figure 1



Figure 2

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® has earned its 100-year reputation as an industry leader and manufacturer of quality “Made in the USA” products.

HILCO® Cartridge Type	Dimensions (inches)			Standard Domestic Packages	
	L.	O.D.	I.D.	Qty.	Gross lbs.
DS618-05-060000	18 1/8	6 5/8	2 1/2	4	22
DD630-05-03ZX00	31 1/4	6 1/2	2 3/32	4	46
DD630-05-060000	29 5/8	6 5/8	2 1/2	4	31
DD636-05-060000	36 1/8	6 5/8	2 1/2	4	37
DD718-05-03ZX00	18	6 1/2	2 3/32	4	29
DD718-05-060000	16 1/6	6 5/8	2 3/32	4	24
DD736-05-060000	32 5/8	6 5/8	2 1/2	4	34
DF718-05-03ZX01	18	6 1/2	2 3/32	4	31
DF718-05-06000B	16 1/16	6 5/8	2 1/2	4	24
DS618-05-060000	18 1/8	6 5/8	2 1/2	4	22
DS630-05-03ZX00	31 1/4	6 1/2	2 3/32	4	46
DS630-05-060000	29 5/8	6 5/8	2 1/2	4	33
DS636-05-060000	36 1/8	6 5/8	2 1/2	4	39
DS718-05-03ZX01	18 1/16	6 1/2	2 3/32	4	30
DS718-05-060000	16 1/16	6 5/8	2 1/2	4	24
DS719-05-03CX00	19 17/32	6 1/2	2 3/32	4	30
DS736-05-060000	32 5/8	6 5/8	2 1/2	4	34

OTHER HILCO® PRODUCTS



Vent Mist Eliminator



HP4 Portable Filter



Transfer Valve



The Hilliard Corporation

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