High Flow PH Series Filter Cartridge

High Flow cartridges replace existing cartridges with improved efficiency, lower pressure drop.

The movement today is for cleaner fuel, lube oil and hydraulic oil. With lube and hydraulic oils, cleaner fluid means less wear of moving parts, umproved performance and reduced downtime. Cleaner fuel means less wear of injectors, reducing the chance of increased fuel consumption, idle speed creep and dilution of lube oil.

One way to obtain these cleaner fluids is to use more efficient filters. By tightening the filtration of the filter cartridges, the oil will be cleaner.

Can it be that simple? Not really. If you are using a cartridge made of cellulose paper, tightening the efficiency of the cartridge will increase the pressure drop. Also, the cartridge will load up faster because it is catching more contaminant. This will result in more frequent cartridge replacement.

So, how can we improve the efficiency of the cartridge, not dramatically increase the pressure drop and optimize the cartridge life?

HILCO's PH Synthetic Filter Cartridges

Changing from the old style, less efficient cellulose cartridges to a more efficient PH cartridge could result in an actual *decrease* in pressure drop. The PH cartridges have double screened, synthetic medias designed for high flows.

The synthetic media used in the PH cartridges also makes it impervious to water. As a result, the cartridge is well suited for steam turbine lube and hydraulic oils.

Features:

- Double screened, synthetic media designed for filtering.
- Rigid pleat structure to withstand high cyclic and pulse flow fatigue.
- The special synthetic media enables the cartridge to be used in a wide range of applications including those which would normally deteriorate a standard cellulose paper cartridge (i.e., water exposure).

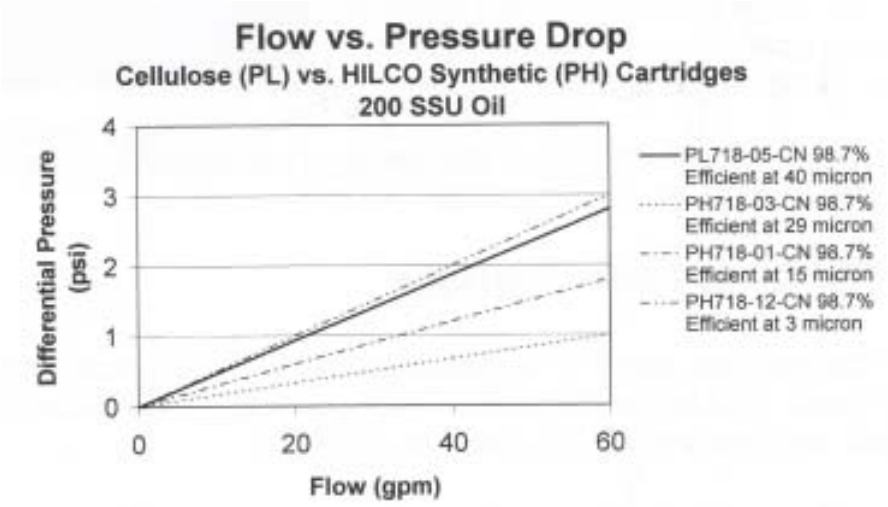
Filtration Efficiency

Media Number	Absolute Rating x $Beta_x = 75$ *	$Beta_x = 200$
05	40	41
03	24	25
01	15	17
11	10	12
12	3	4
14	2	3
16	<1	1

* The "Beta Ratio" rating is an industry standard (ISO 4572) for measuring efficiency. For example, $Beta_3 = 75$ is equivalent to removing 98.7% of particles 3 micron and larger and $Beta_3 = 200$ is equivalent to removing 99.5% of particles 3 micron and larger.

Specifications

Media: Synthetic, double-screened with nylon or epoxy-coated steel
Center tubes: Corrosion resistant
Collapse Pressure: 100 psid (6.9 bar)
Max. Service Temp.: 250º F



Nomenclature

PH718-01-CN

Size: 310, 511, 518, 718, etc.
Media Number: 05, 03, 01, 11, 12, 14, 16
End Seal Arrangement (Consult Factory)

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

Your Local Representative:

Hilliard HILCO® DIVISION