

## Fewer fluid changeouts, increased equipment life

Cartridges fit most standard Hilco filter housings

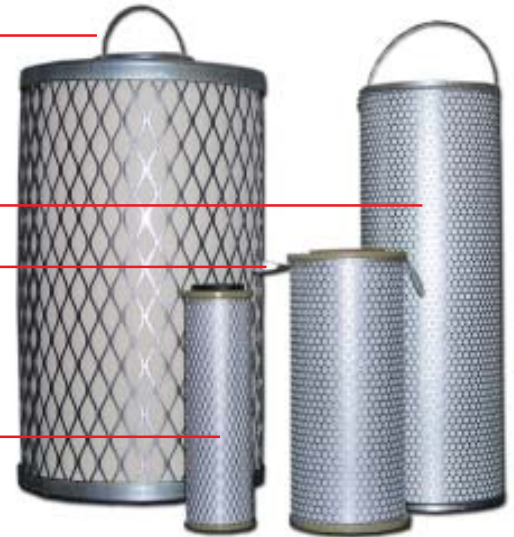


Lifting handle - for convenience in handling.

Ambient - Perforated steel or expanded metal ambient provides added strength.

Lifting tab - for convenience in handling.

Polyester media retainer - under the ambient for superior chemical resistance and media retention.



Selexsorb GT is a patented adsorbent specifically designed for use with Fyrquel gas turbine lube and hydraulic control fluids. Another application is steam turbine EHC control industrial hydraulic systems. The unique composition of this adsorbent maintains the original, superior properties of these fluids for prolonged periods. This media, in cartridge form, is available through your authorized Hilco distributor.

### Benefits

When Hilliard systems are used in conjunction with a fluid maintenance program designed by your Fyrquel supplier, you can expect the following benefits:

- *Longer fluid life* - Fluid changeout intervals are greatly lengthened, and the fluid is maintained in near-original condition.
- *Increased equipment life* - A result of continual removal of acid phosphates and moisture.
- *Standard sizings* - Designs fit most standard Hilco filter housings (e.g., 718, 119).

- *Superior efficiency* - Maintains total acid number (TAN) much more effectively than fuller's earth.

### Advantages versus other filter types

The key features of Selexsorb GT cartridges and systems over conventional fuller's earth and activated alumina are as follows:

- *Fuller's earth* - Low comparative removal of acid phosphates; acid removal relies upon neutralization with media surface. Major disadvantage is presence of metal impurities.
- *Activated alumina* - Acid capacity is 2-3 times that of fuller's earth; relies on neutralization of media surface with acid phosphates. Again, basic metal impurities can create similar problems as with fuller's earth through extended use.
- *Selexsorb GT* - Similar acid capacity to activated alumina types. However, acid phosphates are adsorbed or chemically bonded to the surface of the filter media as they are formed.

A neutralization reaction is not involved nor are free ionic metals liberated in the hydraulic system. Also can remove moisture but *preferentially* bonds acid phosphates in lieu of moisture. *Cartridge life can be extended 2-3 times versus fuller's earth.* Flow rate in auxiliary filter system must be slowed to allow chemical exchange to occur. Normal rate is 1/2 GPM maximum per 7" x 18" Selexsorb GT cartridge.

**NOTE:** Ideally, acid number should be maintained below a level of 0.1 TAN. Similarly, a moisture level of less than 0.1% (by weight) is desirable.

## Selexsorb, ST Cartridge Specifications

Cartridge (Data Sheet)	Dimensions (inches nominal)			Housing Nominal Centerpost	Case Quantity	Shipping Weight Per Case	Gram-Moles Acid Capacity Per Cartridge
	OD	Length	ID				
ST310-00-C	3	10	1	3/4	4	7 lbs.	.11
ST511-00-C	5	11	1 3/4	1 1/4	4	22 lbs.	.45
ST718-00-CRN	7	18	2	1 1/2	4	46 lbs.	.80
ST718-00-CN	7	18	2 1/2	2	4	46 lbs.	.80
ST119-00-03ZXC0	11	19	2 1/4	1 1/2	1	41 lbs.	3.98

### SYSTEM SIZING

Dosage for maintenance TAN level of .1 lb. per gallon of system volume. Not recommended for remediation of systems with a TAN greater than .2.

#### ST310-00-C

System Gallons	No. Cartridge ST310-C	GPM per ST310-C
10	1	.1
50	5	.1
100	10	.1

#### ST511-00-C

System Gallons	No. Cartridge ST511-C	GPM per ST511-C
10	1	.2
50	1	.2
100	3	.2

#### ST718-00-03ZXC0

System Gallons	No. Cartridge ST718-00-03ZXC0	GPM per ST718-00-03ZXC0
100	1	.5
500	3	.5
1000	5	.5
2000	10	.5

#### ST718-00-CN/CRN

System Gallons	No. Cartridge ST718-CN	GPM per ST718-CN
100	1	.5
500	7	.5
1000	14	.5
2000	29	.5

#### ST119-00-03ZXC0

System Gallons	No. Cartridge ST119-00-03ZXC0	GPM per ST119-00-03ZXC0
100	1	.5
500	1	.5
1000	3	.5
2000	6	.5

*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, NY 14902-1504  
 Phone: 607-733-7121  
 Fax: 607-733-0928  
 email: [hilliard@hilliardcorp.com](mailto:hilliard@hilliardcorp.com)  
<http://www.hilliardcorp.com>

#### Your Local Representative:

