



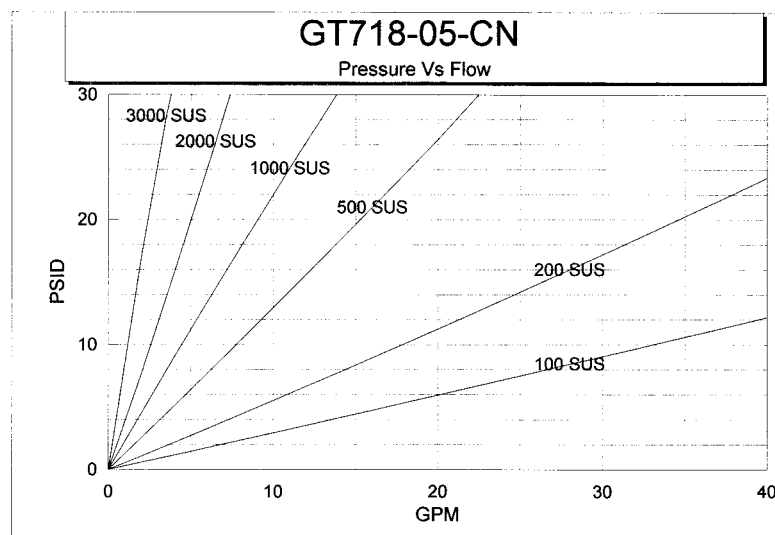
GT718-05-CN CARTRIDGE GT736-05-CN CARTRIDGE

The GT or “glass tube” cartridge is a tubular fiber glass depth media cartridge available in 18” and 36” lengths. It is used for applications with high contaminant concentrations of fine particles at low flow rates. Because the media is glass fiber, it is impervious to water and is rated for 250°F.

Originally developed for a quench oil application in which the pleated cellulose cartridges were only lasting two days, the glass tube cartridge lasted for six weeks. Other applications are EDM fluid and nasty fuel oils. Some fuels require high temperatures to reduce their viscosity and contain high percentages of sediments, catalyst fines and water. The glass tube GT cartridge will provide good life in this environment; whereas, a pleated cellulose or stacked disc would be degraded by the water and rapidly plugged by the sediments. The GT is a natural for off shore turbine installations that rely on fuel transported by barge. It may be used wherever the old “sock” style filters are used to provide a higher degree of reliability and filtration efficiency while maintaining long life.

Multipass test results on a GT718 resulted in a dirt capacity of nearly 2000 grams, over 5 times the capacity of a PL718-05-CN. Examination of the test cartridge revealed its entire depth had been used for trapping the contaminant. The cleanliness of the test fluid was very clean at the end of the test. This indicates that the GT cartridge actually captured and retained the contaminant. It did not merely let dirt pass through as some open media (sock filters) will do to achieve long life.

EFFICIENCY	ISO 4572	PARTICLE SIZE
99.5%	BETA49=200	49 Microns
98.7%	BETA46= 75	46 Microns
90.0%	BETA25= 10	25 Microns
80.0%	BETA ₃ =4	4 Microns



Cartridge Specifications

Cartridge	OD	L	ID	Case Qty.	Shipping Wt. (pounds) per Case
GT718-05-CRN	6-1/4	18	2-3/32	4	24
GT718-05-CN	6-1/4	18	2-9/16	4	24
GT736-05-CRN	6-1/4	36	2-3/32	2	24
GT736-05-CN	6-1/4	36	2-9/16	2	24

This performance comparison table compares the Hilco glass tube cartridge with a leading "sock" style filter.

	Hilco GT718-05-CN Fiberglass tube with and migration barrier	Sock Style Packed with excelsior and waste batting
Construction		
PSID @ 100 SUS, 30 gpm	9	15
Retained dirt capacity	4.3 lb.	3.7 lb.
Fluid cleanliness	122 mg/L	1758 mg/L
Efficiency @ 5 microns	80%	0%
Efficiency @ 50 microns	97.5%	.33%
Migration, initial	7.2 mg/L	9.7 mg/L
Migration, 1 hour	.7 mg/L	2.4 mg/L

Comments: The multi-pass test on the sock style was terminated when it was evident the cartridge was bypassing to the extent the pressure would not go up and it was not removing contamination.

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