

Glass fiber is an excellent filter media. The small diameter glass fibers, formed into a depth matrix, allow filtration levels to 0.25 micron absolute. These fibers have a net positive electrokinetic charge to aid the filtration process. Charged contaminants, such as proteins and colloids, are retained by the media. The glass fibers in the Glas-Tech I element are locked in place by a resination process to prevent media migration. The element design allows filtration at elevated temperatures (275<sup>o</sup>) at 70 PSID) with a high effective surface area for greater dirt holding capacity.

#### **CONSTRUCTION**

- ▶ Media: Glass fiber
- ▶ End Caps: 316 series stainless steel
- ▶ Core: 316 series stainless steel
- ▶ Seam & End Seal: Epoxy
- ▶ Effective Surface Area: 3 sq. ft.  
Particle Retention: 0.25, 0.5, 1.0, 3.0, 5.0 micron absolute
- ▶ Element ID: (Approx.) 1 inch
- ▶ Element OD: (Approx.) 2 5/8 inch

Available in 10", 20", 30", and 40" nominal lengths to fit most commercially available housings.

#### **CARTRIDGE SEAL STYLE**

DOE (Double Open Seal) style is standard with flat gaskets. Adapters are available to provide for Style 7, 2, 8, 3 (Double O-ring type) and other type cartridge seal designs

#### **MEDIA**

The glass fiber filter media is sandwiched between two support layers of polyester. The glass fibers are locked into place with a special resin to prevent media migration.

#### **QUALITY ASSURANCE**

GLAS-TECH I filter elements are integrity testable by bubble point -- your assurance of quality filtration every time.

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#### **ADVANTAGES**

Glas-Tech-I elements are virtually free of media migration as a result of their unique construction. The small fiber diameter and electrokinetic charge offer particle retention well into the sub-micronic range. Glas-Tech-I elements will not unload as the differential pressure rises, a significant advantage over competitive cartridges.

- ▶ High Flow Rates
- ▶ Integrity Testable
- ▶ High Temperatures
- ▶ Absolute Particle Retentions

#### **SEALS**

Buna N, Ethylene Propylene, and Viton® flat gaskets are available. Other gasket compounds available upon request.

#### **APPLICATIONS**

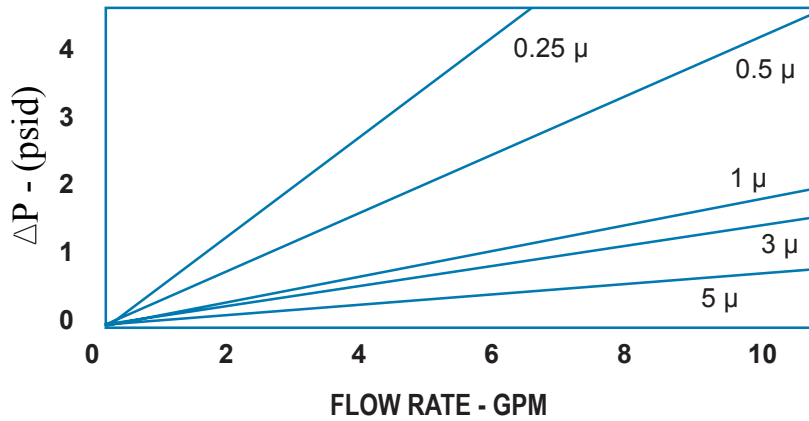
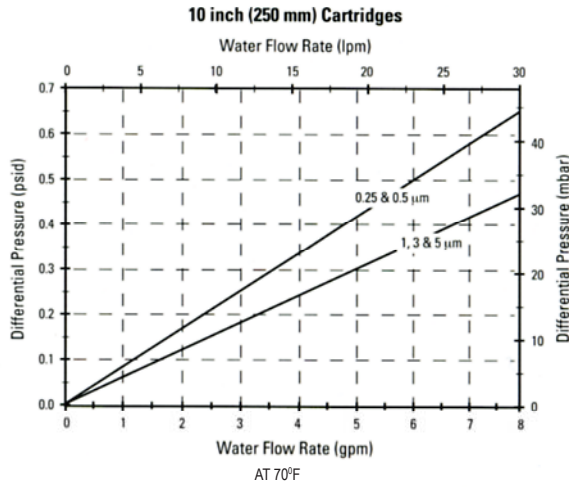
- ▶ Solvents
- ▶ Monomers
- ▶ Oils
- ▶ Glycols

**FLOW TECH**  
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**TEST CONDITIONS**

FLUID -- HYDAULIC OIL MIL-H- 5606  
 FLUID TEMPERATURE -- 100°F  
 FLUID VISCOSITY -- 13 CP

2 4 - 1 0 0

