



# Glas-Tech III<sup>®</sup> Media Extended Life Filter

*Double Layer Media With High  
Dirt-Holding Capacity*



## *Features*

- PTI-developed proprietary filter element media
- Multi-layer construction increases dirt holding capacity
- Double layer gradient media with:
  - Improved efficiency -  $\beta_{x(c)} \geq 1000$
  - Lower clean differential pressures
  - Higher dirt holding capacity
- Enhanced chemical compatibility
  - Broader variety of applications
  - Includes water/glycol, phosphate esters, etc.
- Optional integral hydrophilic component
  - DryPak<sup>®</sup> configuration
- Increased shelf life



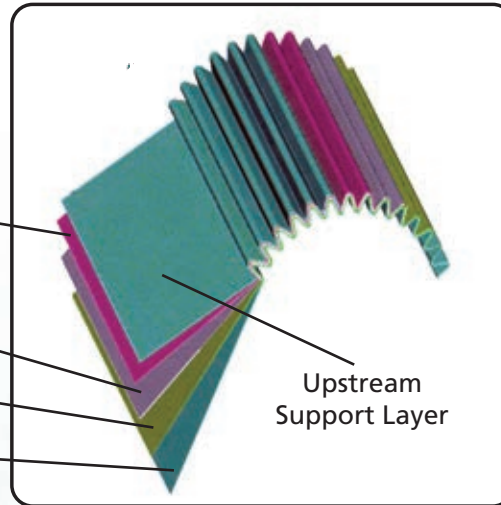
## Description of Filter Element Media

Dual-phase Microfiberglass  
Multi-depth Prefilter Capacity Layer

Dual-phase Microfiberglass  
Multi-depth Efficiency Layer

Diffuser / Support Layer

Downstream Support Layer



### **Glas-Tech® Media Advantages Versus Common Synthetic Media**

- Improved Efficiency
- Higher Specific Dirt-Holding Capacity
- Improved Resistance to Flow Fatigue
- Removes Waxes, Precipitates & Gels
- Increased Shelf Life
- Longer Service Life
- Medium Supported Upstream & Downstream
- Lower Clean Differential Pressure
- Improved Temperature Stability
- Improved Resistance to Cold Start
- Enhanced Chemical Compatibility
- No Cost Increase
- Wide Fluid Compatibility
- Reduced Maintenance Man-hours

### **Filtration Performance at Specific Particle Sizes**

PTI MEDIA GRADE	MICRON RATING $\beta \geq 200$ (ISO 4572)	MICRON RATING $\beta \geq 200$ (ISO 16889)	MICRON RATING $\beta \geq 1,000$ (ISO 16889)
V	1 $\mu\text{m}$	4.2 (c) $\mu\text{m}$	4.2 (c) $\mu\text{m}$
G	3 $\mu\text{m}$	5 (c) $\mu\text{m}$	7 (c) $\mu\text{m}$
H	6 $\mu\text{m}$	7 (c) $\mu\text{m}$	9 (c) $\mu\text{m}$
K	12 $\mu\text{m}$	12 (c) $\mu\text{m}$	15 (c) $\mu\text{m}$
M	17 $\mu\text{m}$	15 (c) $\mu\text{m}$	19 (c) $\mu\text{m}$
J	23 $\mu\text{m}$	21 (c) $\mu\text{m}$	24 (c) $\mu\text{m}$
L	35 $\mu\text{m}$	28 (c) $\mu\text{m}$	35 (c) $\mu\text{m}$

The Beta Ratio ( $\beta$ ) provides a measure of the particle removal characteristics of a hydraulic or lube filter. It is the number of particles larger than a given size x upstream of the test filter divided by the number of particles larger than x downstream of the filter.

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