FILTER-MART UltraTech®
HYDRAULIC FILTER ELEMENTS

ALL NEW!!!

UltraTech® elements utilize a special proprietary media, the result of thousands of hours of extensive research and testing. This advanced media employs an innovative manufacturing technique using large, macro-fibers to provide an endo-skeleton within the micro-fiber media.

This exceptionally strong structure provides an internal support matrix which services to maintain its loft, especially as the filter becomes loaded and the pressure drop increases.

By preventing the microscopic collapse of the media layer, this unique structure ensures that the maximum number of pores are available throughout the entire life of the filter. Conventional media, wherein the microfibers are simply layered on backing materials, have no internal structure.

The strength of **UltraTech®** media is further enhanced by the polymer mesh used on both sides of the media. This ensures that the pleated form of the media remains constant despite high impulse cyclic flows or high loading conditions that are common in industrial fluid applications. Flaking, a common problem with epoxy coated wire mesh elements, is also completely eliminated.

UltraTech® high performance products are available in Beta 3,6,12,25 > 200 in most popular configurations including HF2, HF3, and HF4.

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FILTER-MART NEW HIGH PERFORMANCE FILTERS

UltraTech® high performance filters are used in more than 10,000 different industries around the world!

UltraTech® filtration elements meet and exceed the highest quality and design standards in our industry!

UltraTech® high performance filters will replace any epoxy coated wire mesh hydraulic filter. Our high performance elements utilize advanced polymer technology to ensure no contamination is introduced into your system. This combined with exceptional dirt holding capacities and Beta > 200 removal ratings ensure your system gets the protection you require.

Ecologically responsible
45% reduction in metal
* Reduced Landfill fees
* Reduced landfill burden
Advanced polymer materials drain rapidly
* Reduced fluid loss, spillage and weight of used filter.

Economical
50% less shipping weight
* Reduced freight costs

Economy of use
Lightweight, easier to handle during change-out.
* Longer life means fewer change-outs

Technically Superior
Scientifically developed and thoroughly field tested media
Highest dirt holding capacity
* Independently tested
* Extended life means lower filtration costs
Highest removal efficiency available
* Rapid system cleanup and superior protection for equipment.
Polymer technology provides high flow rates/ low pressure drop.
* Unique matrix design, ensures media loft and consistent, linear pressure drops
* Reduces power consumption
Superior resistance to flow fatigue
* Ensures peak performance throughout the life of the filter.
Ultrasonically sealed seams eliminate leakage and seam failure.

TECHNICAL INFORMATION

Removal Ratings	Beta 3, 6, 12, 25 > 200 per ISO -2941
Temperature Range	Nitrite seals -45°F (-43°C) to +225°F (107°C) Fluorocarbon seals -20°F (-29°C) to 275°F (+135°C)
Filter Media	Proprietary media combined with a five layer composite design, utilizes advanced polymer and micro-glass technologies. Inert micro-glass fibers are bonded with stable resin for maximum stability under cyclic loading. Intermediate synthetic zones laminate flow to minimize pressure drop and maximize dirt holding capacity. Polymer mesh upstream and downstream provides structural integrity.
Fluid Compatibility	Petroleum oil, water glycols, water-oil emulsions and high water based fluids. Fluorocarbon seals provide compatibility with phosphate esters, diesters and specified synthetics. High water based fluids tested at 200° (93°C). All others tested at 250°F (121°C) per ISO-2943.
Hardware Materials	Corrosion protected metal end caps and cores.
Collapse Rating	150 - 300 PSID (10 bar) per ISO-2941
Flow capabilities	Product specific. Please request the Technical Data Sheet for the applicable product.
General	Products meet or exceed all performance requirements Specified in MIL-F- 52723 (ME).