FEATURES

- Absolute Micron-Rated Particle Capture at High Efficiencies
- Maximum Dirt Load Capacity
- Structural strength with up to 10 individually sealed layers
- No exposed seams
- High performance and lower cost alternative to cartridge filters
- Longer filter life reducing amount of bags needed and time spent on bag change-out
- Outperforms competition with a unique configuration of variable micron-rated media and microfiber layers.
- Low initial pressure drop
- Silicone-Free
- Standard with FDA acceptable materials for food and beverage applications
- Alternative with thermally welded seams also available
- Designed to fit most size 1 and size 2 filter vessels
- In stock and ready to ship!

ITEM DESCRIPTION

- MATERIAL: Polypropylene or Polyester
- MICRONS: 1/2, 1, 2, 3, 5, 8, 18, 25
- SIZES: 1 or 2
- DIAMETER: 7"
- APPROXIMATE LENGTH: 16” or 32”
- TOP: Standard with Stainless Steel Ring
- Many other top options available.
- CONSTRUCTION: Standard is Sewn
- Also available with welded seams

PRODUCT SPECIFICATIONS

- MAXIMUM OPERATING TEMPERATURE: 180°F*
- FLOW RATE (size 2): up to 50 gpm*
- CHANGE OUT: 15 psi*
- MAX DIFFERENTIAL PRESSURE: 35 psid*

*please consult chemical resistance chart, as temperature, flow rate, and bag change-out may be affected by chemical being filtered, viscosity, micron, and various other factors.

Although the information contained in this brochure is accurate to the best of our knowledge, due to the many variables that may be present in an application, Knight Filter Corporation makes no guarantees as to the results that may be obtained and assumes no obligation or responsibility because of this information.
INDEPENDENT TESTING RESULTS
The following charts reflect the results of tests performed by an independent test laboratory on a size 2 Knight High Efficiency filter bag in a standard size 2 vessel. Counts were taken on an automatic particle counter.

PRODUCT APPLICATIONS

MEMBRANE PRE-FILTER
Knight High Efficiency Filter Bags offer excellent results when used as a pre-filter for membrane filtration by retaining a large quantity of contaminant that could unnecessarily clog membrane filters. Membrane Filters can be very expensive.

REPLACE EXPENSIVE CARTRIDGE FILTERS
You can use Knight High Efficiency Filter Bags where dirt carrying needs previously required expensive cartridges. Bags cost less, are easier to install and remove, require less storage space, can be disposed of by incineration, and prevent the downstream contaminant associated with cartridges.

FDA ACCEPTABLE CONSTRUCTION
Constructed with FDA acceptable fibers, KHE bags are ideal for food and beverage applications. Our natural fiber is produced from virgin polypropylene resin that meets FDA approval and the Code of Federal Regulations, Food and Drugs, 21 CFR CH. Parts 176.170, 176.280, and 176.210. We also have spin finish polypropylene and polyester felt available that also meets these standards.

GIARDIA PRE-FILTER
Giardia Lamblia (commonly referred to as Giardia) is a single-celled microbe or protozoa which measures about 8-12 microns in size. When ingested, Giardia can cause a gastrointestinal disease called giardiasis. KHE bags can be used as a pre-filter to help extend the life of the final filter, when filtering water that may be contaminated with Giardia.

OTHER SPECIALTY APPLICATIONS
- Oil particulate removal
- Desalination: Potable water from salt water
- Cleaning Amine
- Other Absolute Micron Filtration Applications