



EMAIL: FILTRATION@JOHNBROOKS.CA

Filter Cartridges

Your Clear Choice for Filtration

HART is known for its' superior filtration and purification solutions. Our liquid process filters offer high quality, high performance and cost effective solutions for common industrial, high purity water and other critical process streams in food and beverage, healthcare, microelectronics and industrial applications.

Industry Leading Quality

- HART filter cartridges are manufactured using current Good Manufacturing Practices.
- Some of the industry's best lead times, with 5-7 working days for most products.
- Complete traceability of membrane filter is ensured by the engraving of lot numbers and pore size identification accuracy.
- Membrane filters are flushed, tested and packaged in an ISO Class 7 cleanroom.

DEPTH FILTERS

HDA | HDC

Advanced four zone melt blown filter cartridges available in high efficiency 99.9% rated HDA Series or the 90% nominal efficiency HDC Series from 0.5 to 75 microns. HDA and HDC Filters are made with 100% virgin polypropylene and are free of surfactants, binders and adhesives.

HDM

An economical, nominally rated disposable filter element constructed of 100% polypropylene media for chemical compatibility with a variety of process fluids. The molded core provides among the highest pressure ratings available in melt blown polypropylene products.

HDRT

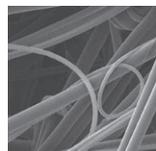
HDRT Series Filter Cartridges feature a microfiberglass | phenolic resin construction that produces an extremely rigid pore structure. This construction allows the filter cartridge to withstand extremes of viscosity and temperature without compression or collapse. In addition, a true graded density construction allows complete utilization of the filter's depth, with coarse particles captured in the outer zones and finer particles captured nearer the core.

HDY

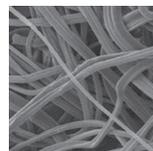
Nominal rated melt blown polypropylene depth filters with the unique Crystal Core to prevent collapse even at elevated temperatures. Their robust media construction provides dependable, economic filtration in pore sizes from 1 to 75 μm .

HDX

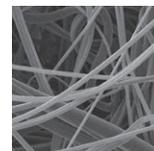
Unique two zone structure with the first stage of nonwoven melt blown polypropylene intended to trap coarser particles and the second stage composed of a bicomponent polypropylene and polyethylene fiber to provide fine particle retention. Available with nominal ratings from 0.5 to 25 micron.



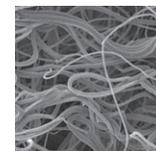
Outer prefilter zone



Inner prefilter zone



Final prefilter zone



Final filtration zone

PLEATED MICROFIBER FILTERS

HPCR

The HPCR Cyst Reduction filter log reduction credit of >3.0 for cysts based on the test requirements of the Long term 2 Enhanced Surface Water Treatment Rule (LT2).

HPGF

The borosilicate microfiberglass media with a natural positive charge exhibits exceptionally high dirt holding capacity. Available in nominal ratings from 0.2 to 30 µm with thermally bonded polypropylene components.

HPGP

Utilizing the same media as in the HPGF, the product has polyester support components for those applications requiring temperature ranges up to 230°F (110°C)

HPHF | HPHG

A large geometry pleated filter designed to handle high flows with fewer filter elements, resulting in much faster and easier filter change-outs as well as extending the time between filter change-outs. The inside to outside flow allows for excellent dirt holding capacity. Available with either polypropylene or glass media as well as polyacetal support for higher temperature applications.

HPPA

Economical, absolute efficiency filtration in pore sizes ranging from 0.2 to 100 µm. The all-polypropylene construction incorporates a non-migrating pleated media.

HPPC | HPPG

Cost-effective, pleated polypropylene filters with nominal ratings from 0.25 to 50 µm. The fixed pore structure prevents dirt unloading at elevated pressures, and the pleated element offers an economical alternative to non-pleated filters.

HPPE

Designed for cost driven applications, this all polypropylene filter delivers absolute efficiency in a broad range of particle sizes. It is suitable for a wide range of applications and carries all the needed industry certifications to satisfy most critical requirements.

HPQA

0.2 to 10 micron absolute rated, high-surface area pleated polypropylene filter cartridges provide low initial pressure drop, high dirt holding capacity and a long, consistent service life.

HPQC

Pleated filters manufactured with multiple layers of graded density, melt-blown polypropylene. Nominal ratings of 0.1 to 10 µm provide outstanding protection for final membrane filters.

HPXL

Formulated with multiple layers of microfiber media to provide absolute rated efficiency from 0.45 to 40 microns. This innovative pleated/depth design combines the high surface area of pleated filters with a graded pore structure



MEMBRANE FILTERS

HMB

Membrane cartridge filters constructed of hydrophilic, asymmetric polyethersulfone membrane and polypropylene components. HMB filters have been validated for the removal of micro-organisms.

HMC

Pleated PTFE membrane cartridges with PFA structural components to provide excellent chemical and temperature resistance for aggressive chemical applications. Exhibits high levels of particle cleanliness and very low metal extractables.

HME

HME microelectronics grade cartridges represent HART's latest development in ultrapure water filtration technology. The cartridges exhibit rapid rinse-up to 18 MΩ-cm resistivity and single digit ppb levels of TOC.

HMG

This pleated, disposable filter element is constructed of absolute rated, hydrophilic, asymmetric polyethersulfone membrane with extended filter area to allow for a high system flow rate.

HMP

Double layer polyethersulfone membrane cartridges fully validated for complete bacterial retention at 0.2 micron to yield product sterility by ASTM 838-05 for the most critical healthcare applications.

HMT

Naturally hydrophobic expanded PTFE membrane filters designed for vent and gas applications. With over 8.5 square feet of filtration area, HMT filters provide outstanding flow rates. HMT filters are 100% flushed and integrity tested in a cleanroom environment.

HMTV

The economical PTFE membrane cartridge filter provides superior hydrophobicity as compared to polypropylene filters commonly used in utility and tank vent applications. HMTV has been demonstrated to produce sterile air utilizing a bacterial aerosol challenge.

HMW

Constructed of absolute rated, hydrophilic, asymmetric polyethersulfone membrane and polypropylene components. The filter is designed for overall filtration economy and provides excellent flow rates and throughputs.

HMWB

Utilizes a special polyethersulfone membrane to provide consistent removal of spoilage organisms. The product offers excellent retention efficiency and extended on-stream life making it an ideal filter for the clarification of beer, wine and bottled water.

HOUSINGS

HHP | HLP | HSC

HART offers a full line of stainless steel cartridge vessels to accommodate the breadth of product offered, including sanitary, high purity, economy industrial as well as ASME and CE code stamped vessels.

REGISTRATIONS & CERTIFICATIONS

HART has a number of applicable registrations and certifications to ensure their products meet the most rigorous global standards, including:

- ISO 9001
- 10CFR50 App.B — Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants
- ASME Section VIII, Division I
- PED 97/23/EC
- NSF International