



EMAIL: FILTRATION@JOHNBROOKS.CA



HDRT Series Filter Cartridges

Rigid Resin Bonded Filters

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.

Product Specifications

Media:

Microfiberglass/Phenolic Resin

Core:

Tin Coated Steel

Outer Sleeve:

Cotton

Micron rating:

0.5, 1, 5, 10, 25, 50, 75, 100, 150 µm

Dimensions

Nominal lengths:

9.75", 10", 19.5", 20", 29.25", 30", 39", 40"
(24.8, 25.4, 49.5, 50.8, 74.3, 76.2, 99.1, 101.6 cm)

Outside diameter: 2.6" (66 mm)

Inside diameter:

1" (25.4 mm) tapered

Operating Parameters

Maximum operating temperature:*

150 psid @ 200°F (10 bar 93°C)

50 psid @ 375°F (3.4 bar 190°C)

Recommended change-out

pressure: 35 psid (2.4 bar)

*Always check compatibility with the specific process fluid at the specific application temperature.

FEATURES & BENEFITS

- Rigid microfiberglass/phenolic resin construction prevents unloading even at high differential pressures
- Grooved outer surface increases surface area for longer on-stream life
- Available in a wide range of removal efficiencies from 0.5 to 150 microns
- Broad chemical compatibility
- Provided with outer cotton wrap to aid in handling and protect the surface

TYPICAL APPLICATIONS

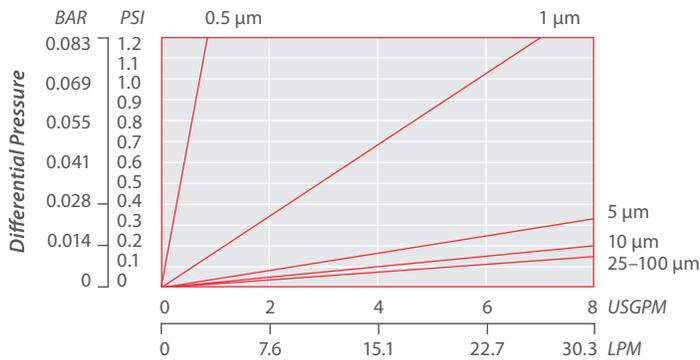
- Paints, Inks
- Sealants
- Adhesives
- Lacquers, Varnishes, Shellacs
- Fuel Oils, Crude Oils, Grease
- Machine Coolants
- Silicones
- Antifreeze
- Plasticizers
- Animal Oils

HDRT NOMENCLATURE INFORMATION

Product Series	Retention Rating (microns)		Length (inches)		End Configuration	Gasket or O-Ring
HDRT Series	0.5	50	-9.75	-29.25	N None	N None
	1	75	-10	-30		
	5	100	-19.5	-39		
	10	150	-20	-40		
	25					
Example: HDRT 5-20NN						
HDRT	5		-20		N	N

HDRT FLOW RATE

**Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)**



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

For chemical compatibility, flow rates, and temperature requirements please call 1-877-624-5757 or email filtration@johnbrooks.ca.



**SPRAYING
PUMPING
FILTERING
AND VALVES**

1-877-624-5757
www.johnbrooks.ca