



FILTER SPECIALISTS, INC.
Innovative Solutions. Clear Results.



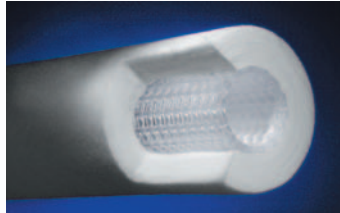
Vorex



FILTER CARTRIDGE

Innovation Improves Performance and Drives Down Cost

The all new VOREX HP cartridge provides superior flow, increased dirt holding capacity and a lower pressure drop. The HP cartridge is manufactured with 100 percent polypropylene microfibers and core. The innovative core provides stability, which allows for the use of very fine microfibers to greatly improve the filtration efficiency. The microfibers vary in thickness throughout the depth of the cartridge to attain an optimal gradient density with a much larger void area. The benefit is substantially longer on-stream life, increased dirt holding, and a lower pressure drop. The new VOREX HP cartridge delivers a highly cost effective filtration solution.



Strong Center Core
The Vorex HP is made with a rigid core of 100 percent polypropylene.

Vorex HP Benefits

- *Premium performance for the cost of lower rated cartridges*
- *Absolute rated—99 percent efficient*
- *Up to twice the dirt holding capacity for longer life*
- *Low pressure drop—saves energy*
- *100 percent polypropylene*
- *Available in standard sizes and end cap configurations*



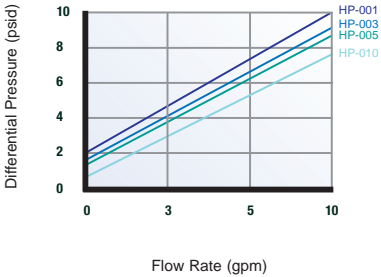
Superior Performance for Less Cost

THE VOREX HP FILTER CARTRIDGE is excellent for many high purity and standard industrial applications. Here is a partial list of appropriate industries.

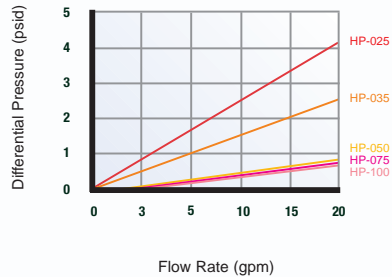
- Chemical Process Industry
- Pure Water
- Metal Finishing
- Metal Working
- Magnetic Media
- Photographic
- Petrochemicals
- Potable water

Clear Water Pressure Drop

Vorex HP 001 to Vorex HP 010

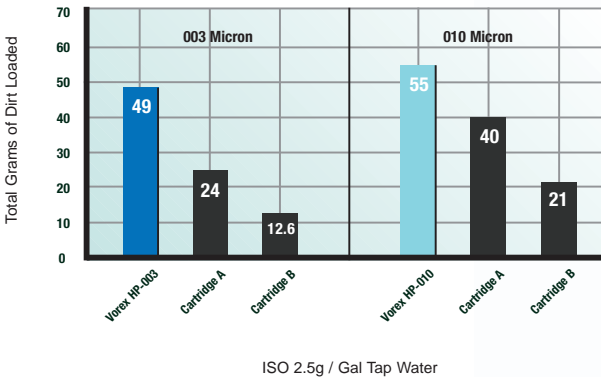


Vorex HP 025 to Vorex HP 100



Dirt Holding Capacity

Comparison of Vorex HP to Standard Cartridge



The VOREX HP out-performs most competitive brands. Because of its larger void area, the HP has greater dirt holding capacity and substantially longer on-stream life.

Liquid Efficiency Ratings (Micron)

| Product | Rating | 99% | 95% | 90% |
|--------------|--------|------|------|------|
| Vorex HP 001 | 1 | 0.95 | 0.88 | 0.71 |
| Vorex HP 003 | 3 | 2.70 | 2.20 | 1.60 |
| Vorex HP 005 | 5 | 4.90 | 3.40 | 2.90 |
| Vorex HP 010 | 10 | 9.60 | 8.00 | 6.90 |
| Vorex HP 025 | 25 | 24.2 | 19.5 | 17.3 |
| Vorex HP 035 | 35 | 33.1 | 27.2 | 22.5 |
| Vorex HP 050 | 50 | 45.1 | 39.6 | 35.5 |
| Vorex HP 075 | 75 | 71.8 | 54.0 | 47.0 |
| Vorex HP 100 | 100 | 94.5 | 78.8 | 53.0 |

VOREX HP Filter Cartridges are tested according to ASTM test procedures using a single pass destructive test.

Optional end caps and gasket/O-rings are available.

- Thermally bonded to the filter cartridge
- No foreign materials or adhesives added

HOW TO ORDER

Example **CM HP 025 20 B Z**

Type of Filter
CM = Meltblown Cartridge

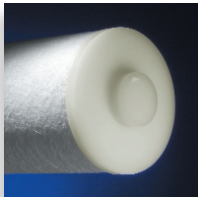
Material
HP = Microfiber, Vorex HP

Micron Rating
001, 003, 005, 010, 025, 035, 050, 075, and 100

Cartridge Length
9.75" 29.25"
10" 29.75"
19.5" 30"
20" 40"

End Fitting Options
A = SOE 222 "O" Ring/Solid End Cap (Code 3)
B = SOE 222 "O" Ring/Bayonet (Code 8)
C = SOE 226 "O" Ring/Bayonet (Code 7)
D = DOE-Flat Gasket/Flat Gasket, Polypropylene End Cap w/ Gasket (Code DOE)
E = DOE Polyfoam Flat Gasket, No End Cap

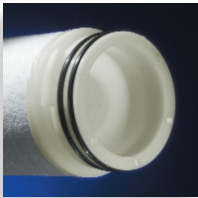
Gasket and "O" Ring Material
G = Gasket Retainer Ferrule Grommet
N = Neoprene
P = Polyethylene Foam
R = EPR
S = Silicone (FDA)
V = Viton
VT = Viton Teflon Enclosure
Z = BUNA N



Closed end



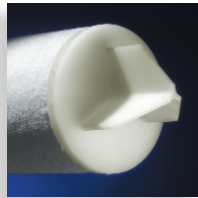
222 "O" Ring



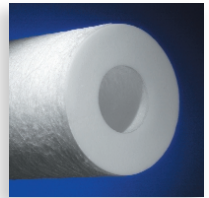
226 "O" Ring



Double Open End with Flat Gasket



Bayonet



Polyfoam Gasket

FILTER SPECIALISTS, INC. is a leader in filtration products. FSI offers custom cartridge design and manufacturing.

For more information on other products and services visit www.fsifilters.com or email sales@fsifilters.com

UNITED STATES

Filter Specialists, Inc.
100 Anchor Road
P.O. Box 735
Michigan City, Indiana 46360
219.879.3307
800.348.3205
FAX 219.877.0632

EUROPE

Filter Specialists, International GMBH
Valter Weg 3.1
D-65817 Eppstein-Bremthal
Germany
011.49.6198.58080
FAX 011.49.6198.580815

CENTRAL AMERICA

FSI de Mexico
S. de R.L. de C.V.
Centeno 119-A
Granjias Esmerelda
Iztapalapa, Mexico D.F.
C.P. 09810
011.52.5.670.2224
FAX 011.52.5.670.6068

SOUTH AMERICA

FSI SUL Americana Industrias
Rua Oneda
671 Bairro Planalto
Sao Bernardo Do Campo
Sao Paulo, Brazil
Cep 09895-280
011.55.11.4341.6840
FAX 011.55.11.4341.6464

CHINA

Filter Specialists (Shanghai) Co., Ltd.
1205 Shuang Zhu Road
Tang Hang Township,
Jai Ding District
Shanghai 201816
P.R. of China
011.86.21.5995.3490
FAX 011.86.21.5995.3491



FILTER SPECIALISTS, INC.
Innovative Solutions. Clear Results.



ISO 9001 Certified

All information copyrighted 2004