



PLEAVALID™ SERIES CMP FILTER

PLEATED POLYPROPYLENE NANOFIBER CMP SLURRY FILTRATION FOR SOURCE, GLOBAL LOOP, AND ON-POLISHER APPLICATIONS

Pleavalid pleated CMP filters are well suited for higher solids slurries and those which may be more prone to agglomerations. The wide pleats provide more surface area which increases service life and fewer filter change outs.

Cartridges and capsules come in a wide range of pore sizes, from 0.1 µm to 5.0µm. Pleavalid cartridge filters can be used in in the global loop to protect on-tool filters. As capsules, the pleated design is an effective final filter, especially in higher solids oxide slurries.

FEATURE

BENEFIT

Pleated micro and nanofiber media

Provides high flow rates and dirt holding capacity

Effective in higher solids and reducing formation of agglomerations

Polypropylene media

Compatible with most slurries

Flushed with ultra-pure water

Ensures high cleanliness and low particle shedding

SPECIFICATIONS

Filter media

Pleated Polypropylene Micro and Nanofiber

Retention

0.2 µm to 5µm

Cage/Core/End Caps

Polypropylene

O-rings

TEV, EPDM

Max. operating temperature

Cartridge: 90°C
Capsule: Please refer to ordering information

Capsule max. operating pressure

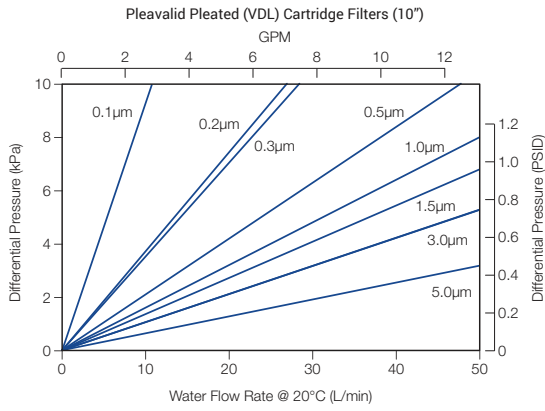
Please refer to ordering information



Typical Applications

- Source, Global Loop, and On-tool
- Higher percent solids and oxide slurries

KEEVALID CARTRIDGE FLOW RATES



PLEAVALID CARTRIDGE ORDERING INFORMATION (222/FLAT)

EXAMPLE: **VDL00500TC10PD** = pleated filter, 0.5µm, 10" length, TEV O-rings, packaged dry

VDL



Removal Rating

- 0010 = 0.1 µm
- 0020 = 0.2 µm
- 0030 = 0.3 µm
- 0050 = 0.5 µm
- 0100 = 1.0 µm
- 0150 = 1.50 µm
- 0300 = 3.0 µm
- 0500 = 5 µm

OTC



Nominal Length

- 10 = 10"
- 20 = 20"



Seal Material

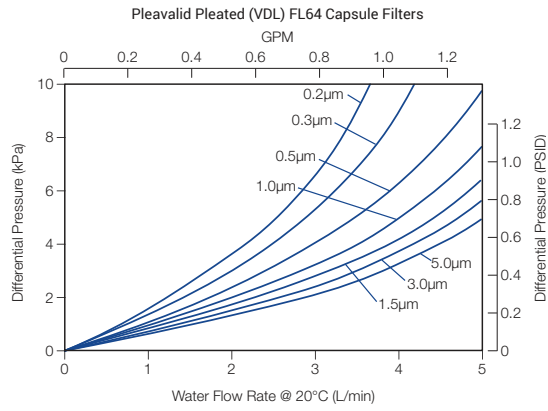
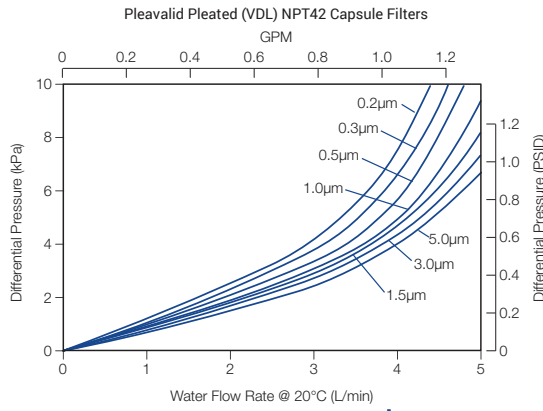
- P = TEV
- E = EPDM



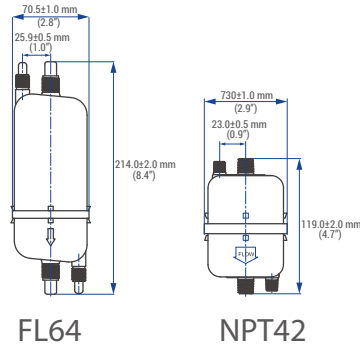
Package

- D = Dry
- WH = Prewet,
UPW + 1% H₂O₂

KEEVALID CAPSULE FLOW RATES



PLEAVALID CAPSULE DIMENSIONS



PLEAVALID CAPSULE ORDERING INFORMATION

EXAMPLE: **VDKD01001BFL64-20W** = depth filter, 1.0 µm, Flare BFL64-10 type with 3/8" I/O and 1/4" V/D, packaged Prewet

VDL



Removal Rating

- 0020 = 0.2 µm
- 0030 = 0.3 µm
- 0050 = 0.5 µm
- 0100 = 1.0 µm
- 0150 = 1.5 µm
- 0300 = 3.0 µm
- 0500 = 5.0 µm



Package

- D = Dry
- WH = Prewet, UPW + 1% H₂O₂

Connection Type	Inlet/Outlet	Vent/Drain	Lengths	Max. Operating Temp.	Max. Operating Pressure
FL64 = Flare Type	3/8"	1/4"	214 mm (8.4")	60°C	0.51 MPa@38°C
NPT42 = NPT	1/4"	1/8"	119 mm (4.7")		



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CBBPP1113 Rev. 04152020
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