Pobrano ze strony

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PEPLYN NE Filter Cartridges

- liquid filters
- polypropylene

PEPLYN NE liquid filter cartridges are designed for use in the microelectronics industry for filtration of water, process chemicals, photochemicals, solvents and etchants.

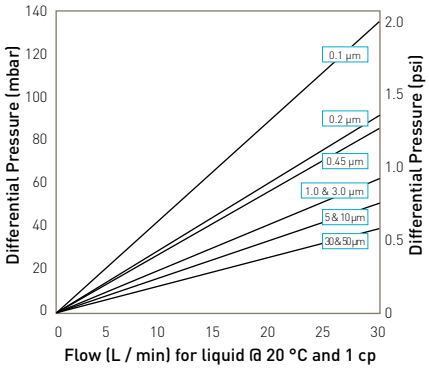
PEPLYN NE filters resist hydrolysis in aggressive solutions which would otherwise result in the contamination of the process fluid. The filter media has graded fibre diameter and density, resulting in progressively finer retention through the depth of the media. This graded density depth mechanism, combined with optimized pleated pack configuration and high surface area, affords high flow capability and exceptional dirt holding capacity when compared with competitive pleated cartridges and meltblown depth filters. PEPLYN NE provides consistant retention and stability over a wide range of operating conditions.

Note: PEPLYN is a registered trademark of Parker domnick hunter

Features and Benefits

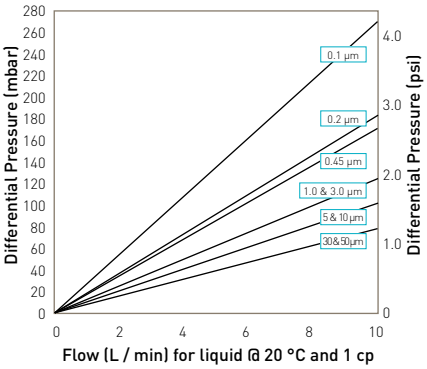
- Nominal micron ratings ranging from 0.1 to 50 micron
- Graded density for excellent particle retention
- Pleated media for high flow rates and long life
- All polypropylene construction
- Wide range of end caps to provide retrofitting of existing systems

Performance Characteristics



For K size for a given flow rate multiply 10" size differential pressure by 2

10" Size (250 mm) Cartridge



For A size for a given flow rate divide B size differential pressure by 2
For E size for a given flow rate multiply B size differential pressure by 2

B Size (65 mm) Cartridge

Specifications

Materials of Construction

- Filtration Media: Polypropylene
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: Polypropylene
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- End Cap Insert (if applicable): 316L Stainless Steel*

  **Not available in B & L endcap variants*
- Standard o-rings/gaskets: EPDM
- Capsule Body: Polypropylene
- Capsule Vent Seals: EPDM

Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Recommended Operating Conditions

Up to 70 °C (158 °F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature °C	Temperature °F	Max. Forward dP (bar)	Max. Forward dP (psi)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

Capsules can be operated at a temperature of 40 °C (104 °F) at line pressures up to 5.0 barg (72.51 psig) for liquids.

Effective Filtration Area (EFA)

10" (250 mm) Up to 0.79 m² (8.50 ft²)

Ordering Information

Cartridges

ZCNE □ - □ □ - / □

Code	Length (Nominal)		
B*	2.5"	(65 mm)
A*	5"	(125 mm)
K	5"	(125 mm)
1	10"	(250 mm)
2	20"	(500 mm)
3	30"	(750 mm)
4	40"	(1000 mm)

** Supplied in packs of 3.*

Code	Micron	
.10	0.1	µm
.20	0.2	µm
.45	0.45	µm
1.0	1.0	µm
003	3.0	µm
005	5.0	µm
010	10.0	µm
030	30.0	µm
050	50.0	µm

Code	Endcap (10")
B	dh DOE
C	BF / 226 Bayonet
D	Fin / 222
E	Flat Top / 222
G	Recess / 222
H	UF Retrofit
J	SOE (no o-ring)
L	dh DOE
N	Internal 213
R	BF / 222 Bayonet

Code	Endcap (Demi)
T	TRUESEAL
Y	Demi Stub
Z	Demi A & B Std

Code	O-rings
E*	EPDM
P	PTFE Encapsulated Silicone
S	Silicone
V	Viton

**EPDM o-ring supplied as standard without having to specify the 'E' code.*

Capsules

ZENE □ - □ □ □ - □ □ □

Code	Length (Nominal)	
E	4.4"	(113 mm)
B	5.5"	(140 mm)
A	7.9"	(200 mm)

Code	Micron	
.10	0.1	µm
.20	0.2	µm
.45	0.45	µm
1.0	1.0	µm
003	3.0	µm
005	5.0	µm
010	10.0	µm
030	30.0	µm
050	50.0	µm

Code	Inlet Connection
T	1" Tri-Clamp
N	1/2" NPT Male
H	1/2" Hosebarb
G	Stepped Hosebarb
M	1/4" NPT Male
V	3/8" NPT Female

Code	Outlet Connection
T	1" Tri-Clamp
N	1/2" NPT Male
H	1/2" Hosebarb
G	Stepped Hosebarb
M	1/4" NPT Male
V	3/8" NPT Female

Code	Variant
E	Electronics
P	Pharmaceutical

Code	Grade
N	Non Sterile

Code	Pack N°
3	Pack of 3

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