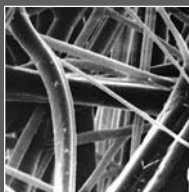


PEPLYN NE



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

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 optimised pleated pack configuration and high surface area, affords high flow capability and exceptional dirt holding capacity when compared with competitive pleated cartridges and melt blown depth filters. PEPLYN NE provides consistent retention and stability over a wide range of operating conditions.

available formats



Technical Specifications

Materials of Construction

Filtration Media	: Polypropylene
Upstream Support	: Polypropylene
Downstream Support	: Polypropylene
Inner Support Core	: Polypropylene
Outer Protection Cage	: Polypropylene
End Caps	: Polypropylene
Endcap Insert (if applicable)	: Polypropylene
Standard o-rings / gaskets	: Silicone / EPDM
Capsule Body	: Polypropylene
Capsule Vent Seals	: Silicone

Food and Biological Safety

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

Effective Filtration Area

Up to 0.79 m² (8.5 ft²) per 250 mm (10" module).

Recommended Operating Conditions

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

Temperature		Maximum Forward dP	
°C	°F	(bar)	(psi)
20	68	4.0	58
40	104	3.0	44
60	140	2.0	29
80	176	1.0	15
90	194	0.5	7
>100 (steam)	>212 (steam)	0.3	4

Capsules may be operated up to a temperature of 40°C (104°F) at line pressures up to 5.0 bar (72 psig) for liquids and 4.0 bar (58 psi) in gas applications.

Cleaning and Sterilisation

PEPLYN NE cartridges can be repeatedly steam sterilised in situ or autoclaved at up to 130°C (266°F). They can be sanitised with hot water at up to 90°C (194°F) and are compatible with a wide range of chemicals. Capsules can be repeatedly autoclaved up to 135°C (275°F).

For detailed operational procedures and advice on cleaning and sterilisation, please contact the Technical Support Group through your usual domnick hunter contact.

Nominal Efficiency Ratings

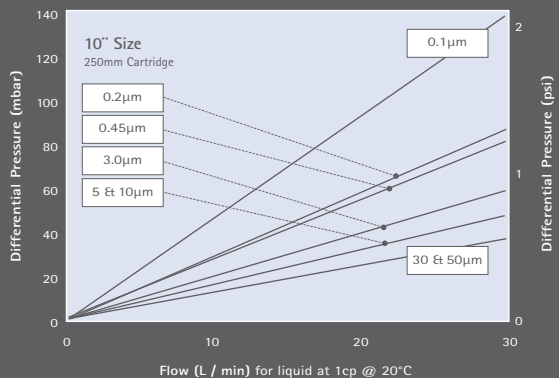
PEPLYN NE filters are available in the following ratings

PEPLYN NE available efficiency ratings	
(micron)	(micron)
0.1	5.0
0.2	10.0
0.45	30.0
1.0	50.0

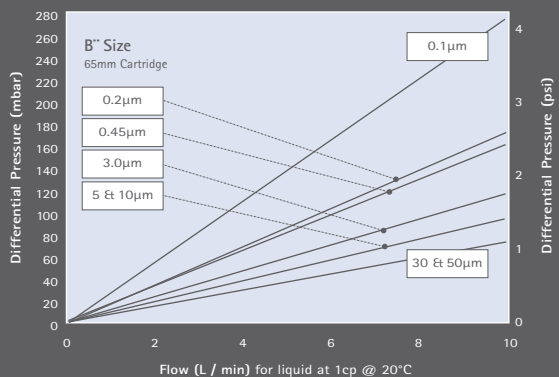
Recommended Rinse Volume

Prior to use - 10 litres per 10" cartridge.

Cartridge Flow Rates

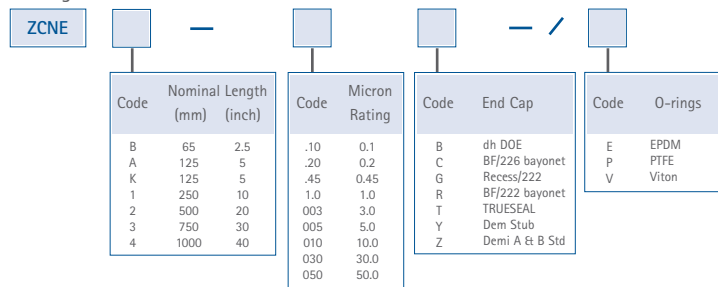


For K size for a given flow rate multiply 10" size differential pressure by 2

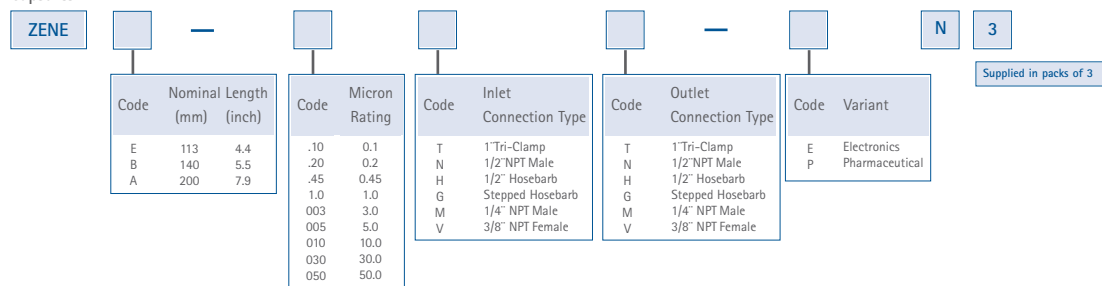


For A size for a given flow rate divide B size differential pressure by 2
For E size for a given flow rate multiply B size differential pressure by 2

Cartridges



Capsules



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