

## Benefits

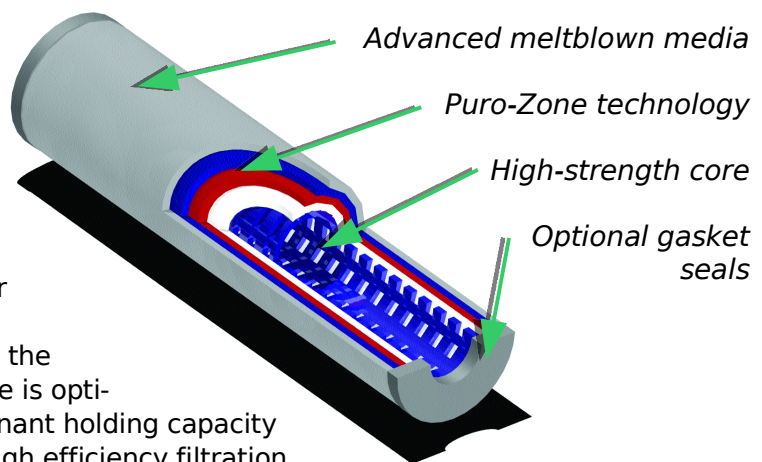
- Removal ratings from 0.5 to 40 µm.
- Proprietary Puro-Zone™ technology allows the creation of multiple zones within the depth of the filter cartridge.
- Continuous gradient structure provides effective pre-filtration and final filtration.
- Advanced microprocessor controlled process delivers extremely consistent cartridges.
- Polypropylene construction materials allows use in a wide range of demanding applications.
- Cartridges are binder, adhesive, and surfactant free.
- Rinse up to 18 megohm-cm with a minimum amount of throughput.
- Configurations available to retrofit most industry standards.



## Description

Purocept Series depth filter cartridges provide high performance filtration of fluids in a wide range of applications. This range of high performance filters cartridges are manufactured with a proprietary microprocessor controlled process that creates highly consistent cartridges. The polypropylene materials of construction are chemically inert, and therefore usable in a wide range of demanding applications.

The proprietary Puro-Zone technology allows the creation of multiple zones within the depth of the filter cartridge. This multi-zone design produces a gradient pore structure, which effectively captures larger particles in the outer section of the filter while providing high efficiency filtration of smaller particles in the inner sections. Each filter grade is optimized to provide high contaminant holding capacity while delivering consistently high efficiency filtration.



## Materials of Construction/Dimensions

Outside Diameter (nominal).....	2.5' ' (6.4 cm),
Lengths (nominal).....	4" (10.2 cm), 5" (12.7 cm), 9.75" (24.8 cm), 9.875" (25.1 cm), 10" (25.4 cm), 19.5" (49.5 cm), 20"(50.8 cm), 29.25 (74.3 cm), 30" (76.2 cm), 39" (99.1 cm), 39.5" (100.3 cm), 40" (102 cm)
Filter Media.....	Meltblown Polypropylene
Center Core.....	Polypropylene
End Caps.....	Polypropylene
Gaskets/O-Rings.....	Silicone, EPDM, Viton A, Buna-N

*Viton* is a registered trademark of E.I. duPont de Nemours and Company; and *Purocept* of Clarcor, Inc.

## Performance Specifications

Micron Rating	0.5, 1, 5, 10, 20, 30, 40 µm
Maximum Forward .....	25 psid (1.7 bar) @ 150° F (66° C)
Differential Pressure	60 psid (3.4 bar) @ 86° F (30° C)
Rec. Change-Out Diff. Pressure .....	5 PSID (2.4 bar)
Biosafety .....	All polypropylene components meet the specifications for biological safety as per the USP for Class VI-121° C plastics.
FDA Listed Materials .....	Manufactured from material which are listed for food and beverage applications in Title 21 of the U.S. Code of Federal Regulations.
High Purity Construction .....	Purocept Series filter cartridges are free of adhesives, binders and surfactants.
Rinse Up .....	Purocept Series cartridges rinse up to 18 Megohm-cm with a minimum of throughput.
Autoclaving .....	Single Open End PUROCEPT cartridges can be autoclaved for 30 minutes at 250° F (121° C) under no end load conditions. The filter cartridges should be allowed to cool to normal system operating temperatures prior to use.
Steam Sterilization .....	Not Recommended

## Cartridge Ordering Information

Cartridge Series	Retention Rating	Nominal Length (in.)	Center Core	Config-uration	Gasket or O-Ring
PCT	0.5	10	U	F	S
PCT = PUROCEPT T	0.5, 1, 5, 20, 30, 40 µm	4, 5, 9.75, 9.875, 10, 19.5, 20, 29.25, 30, 39, 39.5, 40	U = Poly- propylene	No Symbol = DOE G = DOE with gaskets X = DOE with 1" Ext. Core F = 222 O-Ring/Flat S = 222 O-Ring/Fin K = Self-Sealing Spring	S = Silicone V = Viton A B = Buna-N E = EPDM