

PUROCEPT™ T Series

Innovative Multi-Zone Melt Blown Cartridges



Benefits

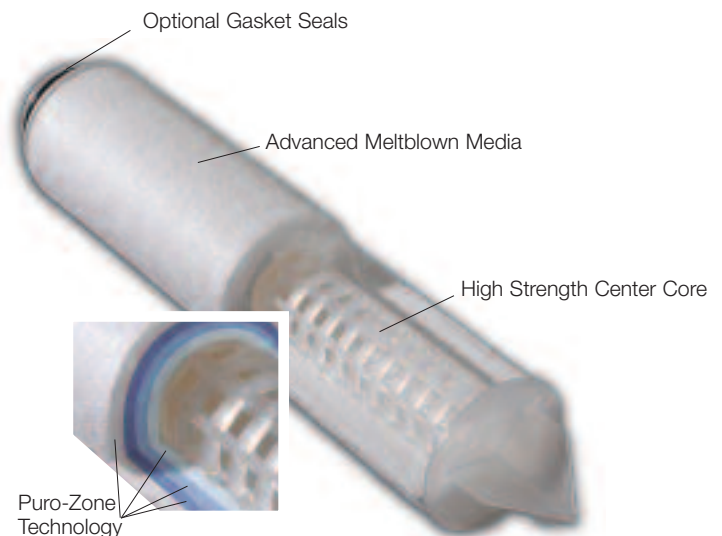
- Removal ratings from 0.5 to 30 µm
- Proprietary PuroZone technology allows the creation of multiple zones within the depth of the filter cartridge.
- Continuous gradient structure provides effective prefiltration and final filtration.
- Advanced microprocessor controlled process delivers an extremely consistent product.
- Polypropylene materials of construction allow 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 filter cartridges are manufactured with a proprietary microprocessor controlled process that creates a highly consistent product. The polypropylene materials of construction are chemically inert—allowing PUROCEPT cartridges to be used in a wide range of demanding applications.

Purolator's proprietary PuroZone technology allows the creation of multiple zones within the depth of the filter cartridge. Each zone contains a matrix of declining diameter fibers. This multi-zone design produces a gradient pore structure, which thoroughly captures larger particles in the upstream layers of the filter while efficiently capturing smaller particles in the inner layers. Purolator has optimized each PUROCEPT filter grade to provide high efficiency filtration and mechanical strength.

Innovative Multi-Zone Design

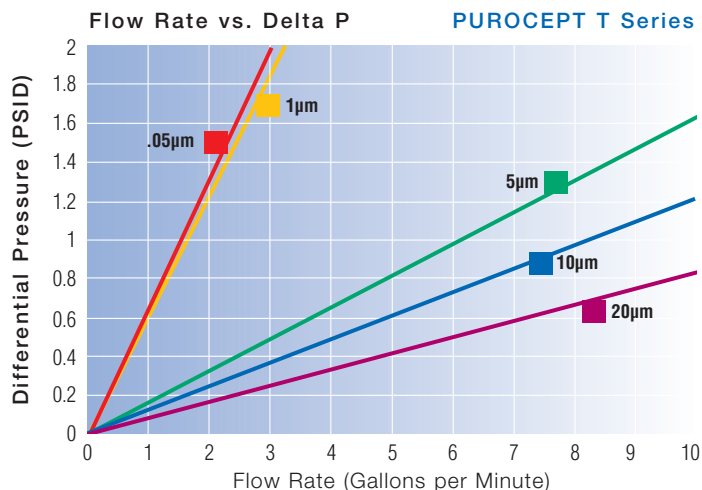


Performance Specifications

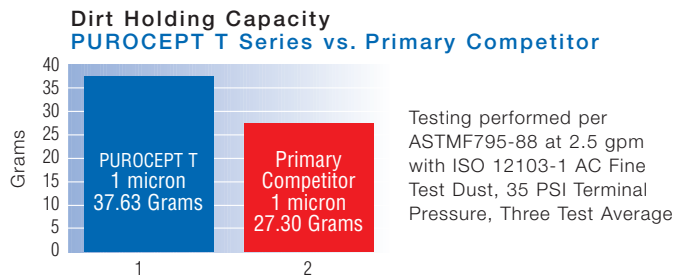
Micron Rating:	0.5, 1, 5, 10, 20, 30 μm
Maximum Forward Differential Pressure	25 psid (1.7 bar) @ 150° F (66° C) 60 psid (3.4 bar) @ 86° F (30° C)
Recommend Change Out Differential Pressure	35 PSID (2.4 bar)
Rinse Up	PUROCEPT Series cartridges rinse up to 18 Megohm-cm with a minimum of throughput.
Autoclaving	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
Filtration Efficiency	PUROCEPT T series cartridges are 90% efficient at the stated micron rating

Materials of Construction/Dimensions

Outside Diameter (nominal)	2.5" (6.4 cm), 4" (10.2 cm),
Lengths (nominal)	5" (12.7 cm), 9.75" (24.8 cm), 9.875" (25.1 cm), 10" (25.4 cm), 19.5" (49.5 cm), 19.75" (50.16 cm), 20" (50.8 cm), 29.25" (74.3 cm), 29.75" (75.5 cm), 30" (76.2 cm), 39" (99.1 cm), 39.5" (100.3 cm), 40" (102 cm)
Biosafety	All polypropylene components meet the specifications for biological safety as per the USP for Class VI-121° C plastics.
Center Core	Polypropylene
End Caps	Polypropylene
Gaskets/O-Rings	Silicone, EPDM, Viton A, Buna-N
Filter Media	Meltblown Polypropylene
FDA Listed Materials	Manufactured from materials 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.



* Viton is a registered trademark of E.I. duPont de Nemours and Company.
PUROCEPT and The Clear Advantage are trademarks of Purolator Advanced Filtration.



Cartridge Ordering Information

Cartridge Series	Retention Rating	Nominal Length (inches)	Center Core	Cartridge Configuration	Gasket or O-Ring
PCT	0.5	10	U	F	S
PCT = PUROCEPT T	0.5, 1, 5, 10, 20, 30 μm	4, 5, 9.75, 9.875, 10, 19.5, 19.75, 20, 29.25, 29.75, 30, 39, 39.5, 40	U = Polypropylene	No Symbol = DOE G = DOE with gaskets X = DOE with 1" Extended 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

Purolator Advanced Filtration
225 Standard Drive
Greensboro, NC 27409

Phone: 336-668-4444
Toll Free: 800-852-4449
Fax: 336-217-4352
E-mail: info@purolator-facet.com

