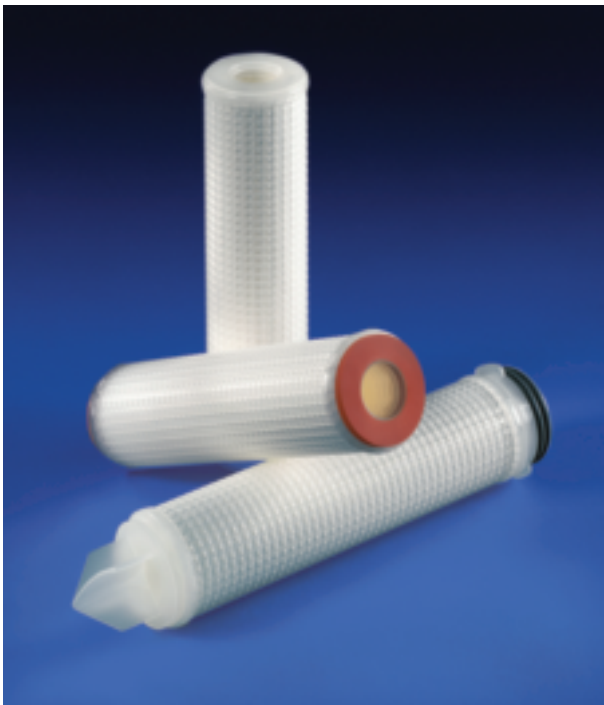


AQUA-CLEAR™ CV Series

High Purity Water Filters Utilizing Polyethersulfone Membranes



Benefits

- High surface area filter cartridges, constructed of pleated polyethersulfone membranes, provide absolute particle retention and long on-stream life cycles.
- Absolute removal ratings available from 0.1 to 0.45 µm.
- 100% polypropylene materials of construction provide wide chemical compatibility in most applications with no leachables or extractables.
- All cartridges are constructed and assembled in a clean room environment to ensure minimal particle contamination.
- Cartridges are sealed using an advanced thermal bonding process.
- Highly asymmetric membrane provides superior flow rates.

Description

AQUA-CLEAR CV pleated cartridges are manufactured with advanced hydrophilic polyethersulfone membranes and all polypropylene components. The PES membrane provides sharp particle cut-offs and is compatible with a broad range of chemicals and pH extremes. AQUA-CLEAR CV cartridges provide reliable particle retention and enhanced throughput for superior performance in critical applications.

AQUA-CLEAR CV Series filter cartridges are constructed and assembled in a clean room environment. AQUA-CLEAR CV filter cartridges are FDA compliant, biologically safe, and meet the requirements of USP Class VI tests for plastics. These filter cartridges are available in a wide range of configurations to fit most commercially available filter housings.

Applications

- Pre and Post Filter for DI Water
- Point-of-Use Filter for DI Water
- Filtration of Aqueous Chemical Solutions
- Filtration of Aqueous Based Inks and Dyes
- Filtration of Process and Potable Water

Performance Specifications

Micron Ratings	0.1, 0.2, 0.45 um absolute
Differential Pressure	to 60 psid (4 bar) @ 68° F (20° C) to 30 psid (2 bar) @ 140° F (60° C)
Sterilization	AQUA-CLEAR CV cartridge may be sanitized in place with common oxidizing agents.
Toxicity	AQUA-CLEAR CV Series filter media comply with current USP Standards for Class VI-121 Plastics. All materials are FDA listed for Food and Beverage contact.

Materials of Construction

Media	Polyethersulfone Membrane
Center Core	Polypropylene
Cage	Polypropylene
End Caps	Polypropylene
Gaskets/O-Rings	Ethylene Propylene, Silicone, Nitrile, Viton*
Outside Diameter (nom.)	2.5" (6.4 cm)
Lengths (nominal)	10", 20", 30", 40" (25, 51, 76, 102 cm)

* Viton is a registered trademark of E.I. duPont de Nemours and Company.

AQUA-CLEAR CV and The Clear Advantage are trademarks of Clarcor, Inc.

Flow Characteristics

Filter Grade	Water Flow per 1 psid (gpm/10" (25.4 cm) equivalent)
SINGLE LAYER	
QS001CV	3.0
QS002CV	3.8
QS004CV	6.3

Cartridge Ordering Information

Cartridge Media Type	Grade	Filter Area	Series	Layer	Nominal Length	Cartridge Style	Gasket or O-Ring	Utilization
QS	001	C	V	1	A	3	03	N
QS = Polyethersulfone Membrane	001 = 0.1 µm 002 = 0.2 µm 004 = 0.45 µm	C = Standard	V = 2.5" Diameter	1 = Single	A = 10" B = 20" C = 30" D = 40"	1 = DOE 9.75" 2 = DOE 10.0" 3 = 222/Flat 7 = 226/Fin 8 = 222/Fin	01 = EPR 03 = Silicone 04 = Nitrile 08 = Viton	N = Non-Steam Sterilizable

Purolator Liquid Process
Liquid Process Division
8314 Tiogawoods Drive
Sacramento, California 95828

Phone: 916-689-2328
Fax: 916-689-1035
E-mail: info@purolator-lp.com
Web: www.purolator-lp.com

