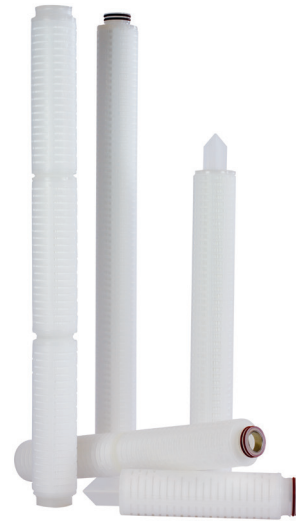


FACT SHEET

aspire®Omni-Clear Series Pleated Filter Cartridge

Description

The **aspire** Omni-Clear™ Series was developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization. Hydrophilic asymmetric polyethersulfone membrane ensures excellent flow rates, broad chemical compatibility, low protein binding, low extractability, high mechanical strength, and temperature resistance in a variety of applications for the biopharmaceutical, microelectronics, chemical, food and beverage industries. The Omni-Clear™ Series meets USP Biological Reactivity Test, in vivo for class VI-121°C plastics. Sterilizable using industry recognized and accepted methods.



Benefits

- High surface area membrane offers excellent life and flux rates while providing absolute filtration
- Absolute-rated membrane provides reliable, consistent and repeatable filtrate quality
- Low pressure drops yield higher flow rates and reduced processing time
- Non-fiber shedding Polypropylene support materials eliminate fiber migration
- Maximum Pleat Design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs per element
- All materials of construction are FDA compliant with CFR Title 21, Pharmaceutical grades are bio-safe in accordance with USP Class VI
- Thermally bonded construction without the use of adhesives or binders, resulting in lower extractables
- Low hold-up volumes
- Integrity tested (beverage grade only)
- High strength design allowing for extended use and multi-autoclave cycles

Applications

- Liquid Clarification
- Chemical Filtration
- General-Use Water Filtration
- Deionized Water Systems

Trademarks property of their respective owners

For more information, contact your **aspire** representative at **CLARCOR Industrial Air**:
11501 Outlook Street, Suite 100 | Overland Park, KS 66211
T: +1.800.821.2222 | T: +1.816.356.8400 | F: +1.816.353.1873
Email: aspire@filtration.com

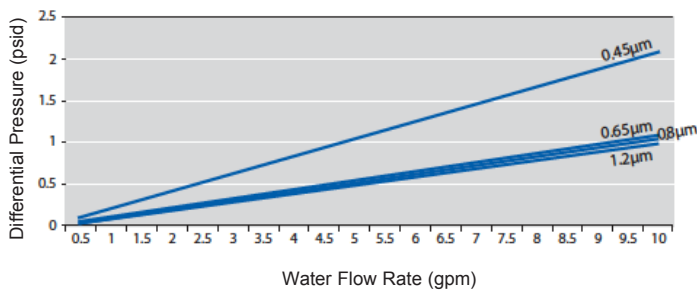
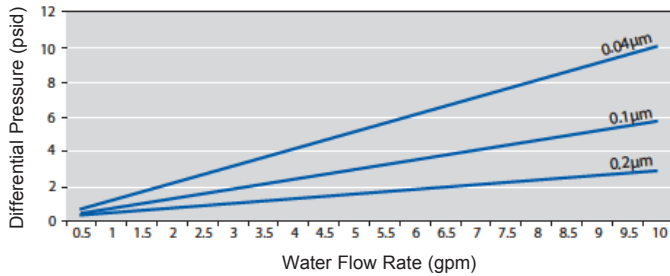
CLARCOR
Industrial Air

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ASPIRE067 (10/2015)

FACT SHEET

aspire®Omni-Clear Series Pleated Filter Cartridge

Pressure Drop vs. Flow Rate



Materials of Construction

Filter Media:	Polyethersulfone Membrane
Support Material:	Polypropylene
End Caps:	Polypropylene
Steam Ring:	Stainless Steel
Cage/Core:	Polypropylene
Sealing:	Thermal Bond
Seals:	Buna N, Fluorocarbon, EPDM FEP Encapsulated Fluorocarbon, PTFE, Silicone

Dimensions (nominal) Outside Diameter

Extruded Cage:	2.7" (6.87cm)
Lengths:	10" (25.4cm), 20" (50.8cm), 30" (76.2cm), 40" (102cm)
Effective Filtration Area:	6.8ft ² per 10" equivalent

Performance Specifications

Retention Rating 0.04µm, 0.10µm, 0.20µm, 0.45µm, 0.65µm, 0.80µm, 1.20µm

Differential Pressure 50 psid (5.5 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)

Reverse 50 psid (5.5 bar) @ 75°F (24°C)

Maximum Operating Temperature 180°F (82°C) Continuous Duty

Sterilization Cartridge can be sterilized via steam or Autoclave: 20 times at 275°F (135°C) Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibilityXXII Class VI test for biological safety and FDA requirements for contact with food and beverage per 21CFR177.1520

Ordering Information

Cartridge Media Type	Grade	Filtration Area	Series	Layers	Nominal Length	Cartridge Style	Gasket or O-Ring Material	Utilization
S	002	A	B	1	B	7	03	N
S = Polyethersulfone Membrane	040 = 0.04µm 001 = 0.10µm 002 = 0.20µm 004 = 0.45µm 006 = 0.65µm 008 = 0.80µm 012 = 1.20µm	A= Standard	B = Beverage S = Standard	1 = Single	A = 10" B = 20" C = 30" D = 40"	1= DOE, 9 3/4" 2= DOE, 10" 3 = 222 O-Ring/ Flat 7 = 226 O-Ring/Fin 7A= 226 O-Ring/Flat 8 = 222 O-Ring/Fin	01 = EPR 03 = Silicone 04 = Nitrile* 08 = Viton* 11= PTFE/Viton	N = Non-Seam Sterilizable S = Steam Sterilizable Steam ring in contact with fluid