



HemiPleat™ Tenkay®

Cartridge for Tenkay Mark III & IV Collectors

- ◆ Greater media utilization and more effective filtration provide enhanced performance and longer service life.
- ◆ The new PolyTech™ media is the most advanced pulse-cleaned media ever made, and now comes standard with silicone impregnation for high humidity resistance.
- ◆ Continuous one-piece gasket provides rigidity and eliminates leakage.
- ◆ The HemiPleat separator bead opens up the pleats uniformly, allowing more effective cleaning, low pressure drop and long life.
- ◆ A wide variety of media and construction options provides a multitude of cartridge configuration options to suit your application.



Specifications

- ◆ Efficiency: 99.99% on 0.5 micron and larger particles by weight
- ◆ Air Permeability: 25-35 cfm/sq. ft. per 0.5" w.c. (457 - 640 m³/m²h at 125 Pa)
- ◆ Mullen Burst: (Dry) 40 psi (2.8 bars) - AIM
20 psi (1.4 bars) - Minimum
- ◆ Gasket: Polyisoprene molded closed cell gasket
- ◆ Pans: Galvanized steel (top & bottom)
Optional: Stainless steel
- ◆ Op. Temps: 160°F (71°C) for Standard
180°F (82°C) for Med. Temp.
- ◆ Surge. Temps: 180°F (82°C) for Standard
200°F (93°C) for Med. Temp.
- ◆ External helical cords and internal screen secure the filter element from movement.

Poly Blend Filter Media:

HMPTS - PolyTech Standard (Color: green) - MERV 11/12
Proprietary blend of cellulosic fibers and polyester fibers with a moisture resistant silicone treatment for optimum dust release characteristics yielding long service life at high filtration efficiencies.

HMPTC - PolyTech Carbon Impreg. (Color: black) - MERV 11/12
Base HMPTS media described above, chemically treated and impregnated with carbon for static dissipation.

HMPTF - PolyTech Flame Retardant (Color: off white with yellow stripes) - MERV 11/12
Base HMPTS media described above, chemically treated with a fire retardant.

HMPTU - PolyTech Ultra High Efficiency (White/green)
MERV 15/16 - Base HMPTS media described above with a microfiber synthetic melt blown surface laminate that yields the industry's best filtration efficiency at 99.999% on 0.5 micron and larger particles by weight.

HMPTUF - PolyTech Flame Retardant Ultra High Efficiency (White/off white) - MERV 15/16 - HMPTF fire retardant media described above with a microfiber synthetic melt blown surface laminate that yields the industry's best filtration efficiency at 99.999% on 0.5 micron and larger particles by weight.

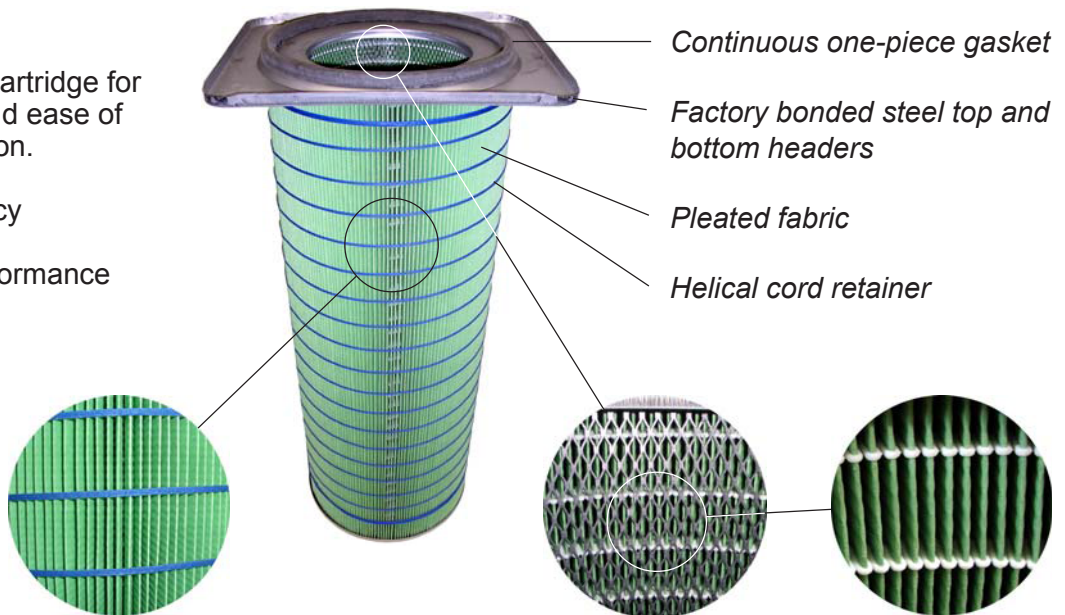
Configurations

Filter Series	HemiPleat™ PolyTech™ Media Type	Standard Filter Model No. / Part No.	Medium Temperature Model No. / Part No.	Stainless Steel Pans Model No. / Part No.	Med. Temp. / S.S. Pans Model No. / Part No.
Tenkay Mark III 27" (68 cm) Long 12.75" (.32M) Dia. 14 lbs. (6.4 kgs)	Standard	HMP-STL-140 / 211547-001	HMP-MTL-140 / 211547-101	HMP-SSL-140 / 211547-201	HMP-MSL-140 / 211547-301
	Carbon impregnated	HMP-CBL-140 / 211547-001	HMP-MCBL-140 / 211547-102	HMP-SSCBL-140 / 211547-202	HMP-MSCBL-140 / 211547-302
	Flame retardant	HMP-FPL-140 / 211547-003	HMP-MFPL-140 / 211547-103	HMP-SSFPL-140 / 211547-203	HMP-MSFPL-140 / 211547-303
	Ultra High efficiency	HMP-UTL-140 / 211547-004	HMP-MUTL-140 / 211547-104	HMP-SSUTL-140 / 211547-204	HMP-MSUTL-140 / 211547-304
	Ultra Hi-Eff, Flame retardant	HMP-UFTL-140 / 211547-005	HMP-MUFTL-140 / 211547-105	HMP-SSUFTL-140 / 211547-205	HMP-MSUFTL-140 / 211547-305
Tenkay Mark IV 34" (86 cm) Long 12.75" (.32M) Dia. 19 lbs. (8.6 kgs)	Standard	HMP-STXL-177 / 211736-001	HMP-MTXL-177 / 211736-101	HMP-SSXL-177 / 211736-201	HMP-MSXL-177 / 211736-301
	Carbon impregnated	HMP-CBXL-177 / 211736-002	HMP-MCBXL-177 / 211736-102	HMP-SSCBXL-177 / 211736-202	HMP-MSCBXL-177 / 211736-302
	Flame retardant	HMP-FPXL-177 / 211736-003	HMP-MFPXL-177 / 211736-103	HMP-SSFPL-177 / 211736-203	HMP-MSFPXL-177 / 211736-303
	Ultra High efficiency	HMP-UXL-177 / 211736-004	HMP-MUXL-177 / 211736-104	HMP-SSUXL-177 / 211736-204	HMP-MSUXL-177 / 211736-304
	Ultra Hi-Eff, Flame retardant	HMP-UFXL-177 / 211736-005	HMP-MUFXL-177 / 211736-104	HMP-SSUFXL-177 / 211736-205	HMP-MSUFXL-177 / 211736-305

Key Benefits:

- ♦ Vertically integrated cartridge for better dust release and ease of removal and installation.
- ♦ High filtration efficiency
- ♦ Excellent energy performance
- ♦ Long element life

Internal HemiPleat separator bead ensures uniform pleat spacing externally.



Typical Applications

- ♦ Blasting (room & wheel)
- ♦ Thermal/flame spray
- ♦ Paper trim/scrap systems
- ♦ Sanding & grinding dust
- ♦ Talc & cornstarch dust
- ♦ Foundry sand/metal pouring
- ♦ Laser/plasma cutter fumes
- ♦ Wood dust
- ♦ Fiberglass manufacturing
- ♦ Pharmaceutical dust
- ♦ Welding fumes
- ♦ Mixing & blending dust
- ♦ Mineral, silica dust
- ♦ Plastic & composite dust
- ♦ Food additive/spices



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