



Factory bonded steel top and bottom headers

Pleated fabric

Internal HemiPleat® separator bead ensures uniform pleat spacing

Internal screen secures the filter element from movement

Uniform pleat spacing allows even loading between pulses

Helical cord retainer

Pour-in-place one-piece gasket



**Key Benefits:**

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

Configuration

| 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. |
|--|---------------------------------|--------------------------------------|---|---|---|
| <b>Tenkay Mark II</b><br>22" (559 mm) Long<br>12.75" (324mm) Dia.<br>14 lbs. (6.4 kg)  | Standard                        | HMPST-115 / 211637-001               | HMPMT-115 / 211637-101                  | HMPSS-115 / 211637-201                    | HMPMSST-115 / 211637-301                    |
|  | Carbon impregnated              | HMPCB-115 / 211637-002               | HMPMCB-115 / 211637-102                 | HMPSSCB-115 / 211637-202                  | HMPMSSCB-115 / 211736-302                   |
|  | Flame retardant                 | HMPFP-115 / 211637-003               | HMPMFP-115 / 211637-103                 | HMPSSFP-115 / 211637-203                  | HMPMSSFP-115 / 211736-303                   |
|  | Ultra High efficiency           | HMPU-115 / 211637-004                | HMPMU-115 / 211637-104                  | HMPSSU-115 / 211637-204                   | HMPMSSU-115 / 211637-304                    |
|  | Ultra Hi-Eff, Flame retardant   | HMPUFP-115 / 211637-005              | HMPMUFP-115 / 211637-105                | HMPSSUFP-115 / 211637-205                 | HMPMSSUFP-115 / 211637-305                  |
|  | HemiPleat Nano FR               | HMPNFR-115 / 211637-009              | HMPMNFR-115 / 211637-109                | HMPSSNFR-115 / 211637-209                 | HMPMSSNFR-115 / 211637-309                  |
|  | HemiPleat Nano                  | HMPNST-115 / 211637-010              | HMPMNST-115 / 211637-110                | HMPSSNST-115 / 211637-210                 | HMPMSSNST-115 / 211637-310                  |
| <b>Tenkay Mark III</b><br>27" (686 mm) Long<br>12.75" (324mm) Dia.<br>16 lbs. (7.3 kg) | Standard                        | HMPSTL-140 / 211547-001              | HMPMTL-140 / 211547-101                 | HMPSSL-140 / 211547-201                   | HMPMSSTL-140 / 211547-301                   |
|  | Carbon impregnated              | HMPCL-140 / 211547-002               | HMPMCL-140 / 211547-102                 | HMPSSCL-140 / 211547-202                  | HMPMSSCL-140 / 211547-302                   |
|  | Flame retardant                 | HMPFPL-140 / 211547-003              | HMPMFPL-140 / 211547-103                | HMPSSFPL-140 / 211547-203                 | HMPMSSFPL-140 / 211547-303                  |
|  | Ultra High efficiency           | HMPUL-140 / 211547-004               | HMPMUL-140 / 211547-104                 | HMPSSUL-140 / 211547-204                  | HMPMSSUL-140 / 211547-304                   |
|  | Ultra Hi-Eff, Flame retardant   | HMPUFL-140 / 211547-005              | HMPMUFL-140 / 211547-105                | HMPSSUFL-140 / 211547-205                 | HMPMSSUFL-140 / 211547-305                  |
|  | HemiPleat Nano FR               | HMPNFR-140 / 211547-009              | HMPMNFR-140 / 211547-109                | HMPSSNFR-140 / 211547-209                 | HMPMSSNFR-140 / 211547-309                  |
|  | HemiPleat Nano                  | HMPNSTL-140 / 211547-010             | HMPMNSTL-140 / 211547-110               | HMPSSNSTL-140 / 211547-210                | HMPMSSNSTL-140 / 211547-310                 |
| <b>Tenkay Mark IV</b><br>34" (864 mm) Long<br>12.75" (324mm) Dia.<br>18 lbs. (8.2 kg)  | Standard                        | HMPSTXL-177 / 211736-001             | HMPMTXL-177 / 211736-101                | HMPSSXL-177 / 211736-201                  | HMPMSSXL-177 / 211736-301                   |
|  | Carbon impregnated              | HMPCLXL-177 / 211736-002             | HMPMCLXL-177 / 211736-102               | HMPSSCLXL-177 / 211736-202                | HMPMSSCLXL-177 / 211736-302                 |
|  | Flame retardant                 | HMPFPLXL-177 / 211736-003            | HMPMFPLXL-177 / 211736-103              | HMPSSFPLXL-177 / 211736-203               | HMPMSSFPLXL-177 / 211736-303                |
|  | Ultra High efficiency           | HMPULXL-177 / 211736-004             | HMPMULXL-177 / 211736-104               | HMPSSULXL-177 / 211736-204                | HMPMSSULXL-177 / 211736-304                 |
|  | Ultra Hi-Eff, Flame retardant   | HMPUFLXL-177 / 211736-005            | HMPMUFLXL-177 / 211736-105              | HMPSSUFLXL-177 / 211736-205               | HMPMSSUFLXL-177 / 211736-305                |
|  | HemiPleat Nano FR               | HMPNFRXL-177 / 211736-009            | HMPMNFRXL-177 / 211736-109              | HMPSSNFRXL-177 / 211736-209               | HMPMSSNFRXL-177 / 211736-309                |
|  | HemiPleat Nano                  | HMPNSTXL-177 / 211736-010            | HMPMNSTXL-177 / 211736-110              | HMPSSNSTXL-177 / 211736-210               | HMPMSSNSTXL-177 / 211736-310                |

- 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.
- 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) 40psi (2.8 bars) - AIM 20psi (1.4 bars) - Minimum
- **Gasket:** Pour-in-place one piece gasket
- **Pans:** Galvanized steel (top & bottom) Optional: Stainless steel
- **Operating 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.

Typical Applications

- Blasting (room & wheel)
- Thermal/flame spray
- Paper trim/scrap systems
- Sanding & grinding dust
- Talc & cornstarch dust
- Wood dust
- Fiberglass manufacturing
- Carbon black/toner dust
- Lead & other toxic dust
- Pneumatic conveyed dust
- Pharmaceutical dust
- Welding fumes

Poly Blend Filter Media:

**HMPST - PolyTech Standard** (Color: green) - MERV 11 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 - Same PolyTech Standard fiber blend as described above, impregnated with carbon fibers for static dissipation.

**HMPTF - PolyTech Flame Retardant** (Color: off white with yellow stripes) - MERV 11 - Same PolyTech standard fiber blend described above, chemically treated with a fire retardant.

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

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



**HMPNFR - HemiPleat Nano FR** (Color: white) - MERV 14/15 Base HMPTF flame retardant media with a microporous nanofiber coating. The nanofiber coating is applied to the upstream side of the filter for higher filtration efficiencies and improved dust release which makes this new material far superior to any other commercial filter media available.

**HMPNST - HemiPleat Nano** (Color: white/green) - MERV 14/15 Base HMPTS moisture resistant silicone treated media with a microporous nanofiber coating. The nanofiber coating is applied to the upstream side of the filter for higher filtration efficiencies and improved dust release which makes this new material far superior to any other commercial filter media available.

