

HIGH EFFICIENCY PLEATED CARTRIDGES

H & NH Series in 2 efficiency grades, offer the ultimate in high-end filtration

FEATURES AND SPECIFICATIONS

- offers the highest grade, 90% and 99.98% efficient Cartridges on the market today
- Our media is manufactured in-house under strict guidelines to ensure consistency
- Complete in-house testing with a Capillary Flow Porometer guarantees a superior and consistent product
- With 8 micron ratings and multiple lengths to ensure we produce the element you require
- Cartridges have thermally bonded end caps and ultrasonic welded media seams for a one piece construction
- The maximum amount of media is installed in each filter without pleat blinding for increased dirt loading capacity
- Cartridges are 100% polypropylene—media, inner and outer supports and end caps
- All media and materials used in production are FDA Title 21 compliant
- Cartridges are constructed in a clean room environment
- Cartridges may be ordered with a final rinse of 18 mega ohm water
- Final, one piece construction up to 40" long ensures zero bypass



| Materials of Construction | | Dimensions (nominal) | |
|---|--|--|--|
| Filter Media: | Polypropylene Melt Blown | Outside Diameter: | 2.65" |
| Hard Outer Cage: | Polypropylene | Lengths: | 10", 20", 30" & 40" |
| Netted Outer Cage: | Polypropylene | Lengths: | 9.75", 10", 19.5", 20", 29.25", 30", 39" & 40" |
| Support Material: | Polypropylene | | |
| Sealing: | Thermal Bond | | |
| Gaskets/O-Rings: | Buna N, Viton®, Teflon®, Silicone, Neoprene & EDPM | | |
| Surface Area | | Performance Specifications | |
| Up to 5.5ft ² (.23m ²) of Effective Filtration Area per 10" equivalent, dependent upon micron rating | | Retention Ratings of 90% and 99.98% at: .2, .45, 1, 3, 5, 10, 25, & 50 micron | |
| Operating Conditions | | FDA Listed Materials | |
| Maximum Differential Pressure: 35 psid @ 180°F (49°C) | | Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. code of federal regulations | |
| Toxicity | | Purity | |
| Cartridges are manufactured with no additives or other manufacturing agents. We guarantee all materials used in the production meet FDA Title 21 of the Code of Federal Regulations 174.5 and 177.1520. | | Cartridges are Free of Surfactants, Resins, Binders and Adhesives | |
| Sterilization | | | |
| Multiple Autoclaving for 30 Minutes at 250°F (121°C) under no End Load Conditions. In-line Steam Sterilization is not recommended. May be In-line Sanitized with Hot Water at 180°F (82°C) for 1 hour. | | | |

AVAILABLE END CAPS



BUILDING A PART NUMBER

| HIGH EFF. PLEATED CARTRIDGE | MEDIA | EFFICIENCY | MICRON | CARTRIDGE LENGTH | END CAP | GASKET / O-RING | 18 MEGA OHM RINSE |
|---|--------------------------|-------------------------------------|--------|------------------|-----------------------|---|-------------------|
| H | E | A | 1 | 5 | 3 | B | R |
| H = Hard Cage NH = Netted Cage | E = Polypropylene | A = 90% B = 99.98% | .2 | 2 = 9.75 (2) | 1 = DOE/Plastisol (2) | B = Buna V = Viton® T = Teflon® S = Silicone N = Neoprene D = EPDM | R |
| | | | .45 | 3 = 10 | 2 = 222/Fin | | |
| | | | 1 | 4 = 19.5 (2) | 3 = 222/Spring | | |
| | | | 3 | 5 = 20 | 4 = 222/Closed | | |
| | | | 5 | 6 = 29.25 (2) | 5 = 226/Closed (1) | | |
| | | | 10 | 7 = 30 | 6 = 226/Fin (1) | | |
| | | | 25 | 8 = 39 (2) | 7 = 226/Spring (1) | | |
| 50 | 9 = 40 | 8 = SOE/Spring | | | | | |
| | | | | | 9 = DOE Gasket | | |
| | | | | | A = Custom | | |

(1) Available in Hard Cage Only (2) Available in Netted Cage Only