Non-Metal Cartridge Filter-Melt Blown

Product Coding
P4606XXXXX

Introduction

Melt blown filter cartridges are high efficiency depth filters engineered for reliable removal of fine particles in liquid and gas applications. Produced by extruding thermoplastic fibers and forming them into a dense, gradient density structure, these filters provide a large surface area with low pressure drop. The random fiber matrix allows larger particles to be captured in the outer layers, while finer contaminants are retained in the deeper zones of the media. This optimized structure ensures excellent dirt-holding capacity, long service life, and stable filtration performance across industrial, food and beverage, water treatment, and general process systems.

Features

- Manufactured using advanced melt blown technology from high purity thermoplastic resins
- Depth filtration structure with graded density for efficient particle retention
- Random fiber matrix providing uniform filtration and consistent micron rating
- Large effective surface area resulting in high dirt holding capacity
- Low initial pressure drop and stable flow performance
- Available in a wide range of micron sizes for different filtration needs
- Suitable for use as pre-filters or final filters in multi stage systems
- Excellent for fine sediment, particulate, and turbidity removal
- Light weight, corrosion-free, and chemically compatible construction

Applications

- Pre-filtration and polishing in water treatment systems
- Removal of fine sediment in industrial process fluids
- Food & beverage liquids requiring low turbidity
- Pharmaceutical and laboratory solutions
- Filtration of chemicals, solvents, and process streams
- Oil, fuel, and lubricant purification
- HVAC and gas filtration in moderate environments
- Protection of downstream equipment in multi stage filter systems

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