

Non-Metal Cartridge Filter-Pleated

Product Coding
P4607XXXXX

Introduction

Pleated non-metal filter cartridges are high efficiency filtration elements made from synthetic polymer media that is pleated to dramatically increase surface area. This design delivers superior particle retention, stable flow, and long service life, all while maintaining compatibility with a broad range of chemicals. The thermally bonded construction ensures a clean, homogenous structure with no adhesives, reducing the risk of contamination. These cartridges are ideal for demanding filtration applications where high purity and reliable performance are critical.



Features

- High surface area pleated media for enhanced filtration capacity
- True surface filtration for precise particle retention and low bypass risk
- Wide range of micron ratings to suit various needs
- Pure, chemically inert materials (e.g., 100% polypropylene) for excellent chemical resistance
- Thermally welded construction with no adhesives
- Low differential pressure and long service life due to efficient pleating
- Compatible with backwashing or flushing in some designs
- Multiple lengths, end cap styles, and core support options for flexibility

Applications

- Typically for sediment removal and polishing stages
- Filtration of acids, bases, solvents, and other process fluids
- Ensuring particulate free products and protecting downstream processes
- Pre-filtering of pure water, buffer solutions, and critical fluids
- Filtering ultra pure water used in semiconductor or panel manufacturing
- Cooling water, boiler feed water, and process streams where high surface area is needed



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