

Non-Metal Cartridge Filter-String Wound**Product Coding**
P4608XXXXX**Introduction**

String wound filter cartridges are depth filter elements created by winding continuous yarn around a rigid core in a gradient density pattern. This layered design traps larger particles on the outer layers first and finer particles progressively deeper, giving the filter high dirt holding capacity and reliable performance under variable contaminant loads. The robust yarn construction ensures mechanical strength, while the choice of fiber material offers excellent chemical compatibility and long service life in industrial and process applications.

**Features**

- True depth filtration with gradient density (looser on the outside, tighter near the core)
- High dirt holding capacity due to deep layer particle capture
- Durable construction that withstands pressure differentials
- Wide chemical compatibility via different yarn materials (e.g., polypropylene, cotton, glass fiber)
- Low media migration
- Long service life with gradual clogging and slower pressure rise
- Available in a broad range of micron ratings (e.g., 0.5 µm up to 150 µm)
- Core options include polypropylene or stainless steel, depending on application needs
- Various end cap and gasket styles support integration into existing housings

Applications

- Pre-filtration in water treatment (sediment removal, well water, process water)
- Filtration in industrial chemical processes (handling acids, solvents, and process fluids)
- Food and Beverage production (protecting downstream equipment from particle contamination)
- Pharmaceutical and biotech processes (where robust, reliable pre-filtration is needed)
- Cooling water systems and boiler feed water (removing rust, scale, and suspended solids)
- Industrial applications in mining, petrochemical or oil and gas that require high sediment capacity
- Compressed air or gas filtration where depth filtration is beneficial



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