



A Division of Procam Controls, Inc.

PolyTrix PCG Series

Depth Style Sediment Filters

Product Bulletin

The PolyTrix Series of depth-style, melt-blown sediment filters were carefully designed and manufactured to meet the market requirements for a pure polypropylene depth filter with exceptional dirt-holding capability. This translates to longer life, and fewer changeouts than existing string-wound, resin-bonded or even other melt-blown polypropylene filters. Due to the increased demand for more efficient filtration with a need for smaller contaminant removal this filter was designed to have a **very high void with an extremely tight matrix for the highest efficiency available** in an economical cartridge. The one micron PolyTrix has proven to be an outstanding prefilter for reverse osmosis systems and carbon block filtration, decreasing fouling due to fine silts and particulates. The PolyTrix element's graded density construction provides maximum void area and allows particles to be trapped throughout the entire cross section of the filter, creating **superior dirt-holding capacity with very low pressure drop**. Unlike cheaper filters, the fibers of the PolyTrix element are thermally bonded and they will not break loose and migrate into the filtrate. In addition, the thermally bonded fibers prevent shifting and subsequent dislodging of trapped particles.

Features & Benefits

High Dirt-Holding/Long Life

- ❖ True graded density captures particles throughout entire filter depth.
- ❖ High dirt-holding capacity means longer life and fewer changeouts which translates to money saved.

Pure Polypropylene Construction

- ❖ Thermally bonded microfibers.
- ❖ Contains no wetting agents, solvents, anti-static agents or binders.
- ❖ Wide chemical compatibility.
- ❖ Incinerates to trace ash for easy disposal.
- ❖ Meets the requirements of the FDA for food and beverage contact.

Proven Manufacturing Process

- ❖ Automated, consistent manufacturing process assures reliable performance and repeatable results.
- ❖ Thermal and vacuum finishing procedures eliminate potential manufacturing debris.
- ❖ Standard micron ratings: 1, 5, 10, 20, 50, and lengths: 5", 9.75", 9.87", 10", 19.5" & 20" in both 2-1/2" and 4-1/2" O.D.

Material and FDA Compliance

The PCG cartridge filters are made from thermally-welded, blown microfibers of pure polypropylene. No additives, resin binders, lubricants, anti-static or release agents are used in the manufacturing of the PCG series filters. Procam Controls, Inc. certifies that the filter material meets the requirements of the FDA title 21 of The Code of Federal Regulations 174.5 and 177.1520.

Applications: Ideal for R.O. Pretreatment, Conventional & CTP Plate Processors, Film Processors, Sediment & Silt Removal before Carbon Block Filtration, and Foodservice Applications.

Model Number Example: PCG-01-98 is one micron, 9-7/8" long; PCG-05-20 is five micron, 20" long; and PCG-251BB-20 is dual density 25 micron/one micron, 20" long x 4-1/2" O.D.

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