

# DIYA TRADERS

*Filtration Made Simple*

## Polypropylene Pleated Filter Cartridge



Polypropylene filter cartridges are precisely manufactured for use in critical filtration applications within food, pharmaceuticals, biotech, dairy, beverages, brewing, semiconductor, water treatment & other demanding process industries.

Polypropylene pleated cartridges use the very latest gradient density micro fiber media technology to provide a combination of excellent micron ratings, high flow rates and high contaminant holding capacities. A special combination of polypropylene media with variation in the fiber diameter creates a gradient density matrix, ranging from open on the outside to finer on the inside, thereby providing a filter with in filter, which considerably increases contamination holding capacity & throughputs.

All components used in the manufacturing process are biologically safe, chemically inert and meet FDA and other international quality requirements. Polypropylene offers an extremely broad chemical compatibility making it suitable for many applications.

### Features & Benefits

- All polypropylene construction
- Absolute & nominal efficiency
- 0.1 to 40 Micron ratings
- Gradient density micron fiber media
- High surface area more than 0.5 m<sup>2</sup> per 10" filter
- Robust outer cage
- Biologically safe
- Wide chemical compatibility
- No fiber migration
- Thermally welded construction
- FDA approved filters
- End connections to fit all standard housings

### Technical Specifications

Sizes	10", 20", 30", 40" Long
Micron Rating	0.1, 0.2, 0.45, 1, 5, 10, 20 Micron
Outer Diameter	69 mm
Inner Diameter	28 mm

### Configuration

- Double Open Type (DOE Type)
- Code 7S (226 'O' Ring Design / Bayonet)
- Code 7F (226 'O' Ring Design / Flat)
- Code 3S (222 'O' Ring Design / Bayonet)
- Code 3F (222 'O' Ring Design / Flat)

### Construction

Filter Media	100 % Melt blown micro denier polypropylene fiber
Support Media	Polypropylene fiber
Inner Core	High strength polypropylene
Outer Core	High strength polypropylene
End Caps	High strength polypropylene
O Ring / Gaskets	EPDM / Buna N / Silicone / Viton

### Applications

Fine Chemicals and Pharmaceuticals
• D.I. Water
• R.O. Pre filtration
• Biological Fluids
• Oral Drugs
• Ophthalmic Liquids
Photographic Film & Paper
• Anti-Halation Coatings
• Developer Chemicals
• Emulsions
• Gelatins

### Beverages

- Wine
- Alcohols
- Fruit Juice
- Beer

### Electronic and Semi-Conductor

- De-ionized Water Prefiltration
- Magnetic tapes
- Premix Resins
- Tape Coatings
- Photoresists
- Metal Oxide Dispersions
- Solvents

