

PRODUCT DATA SHEET

Microsoll Membrane Cartridge Filter

OVERVIEW

Working principle

Pleated cartridges are fitted with a double-layered filter medium made of polypropylene media and nonwoven or silk net support. It uses fibers of varying diameters to produce a pore size distribution from coarse (upstream) to fine (downstream) and is all polypropylene for compatibility with a wide range of fluids allowing absolute filter ratings of 99.9 % particle retention. The pleat-structured surface provides a filter area of more than 0,5 m²/10". All components are made of polypropylene, thermic-welded and do not contain binding agents, adhesives or additives.

Technical Specifications

Properties	
Filter medium	% 100 polypropylene
Core support	Polypropylene
Adapter and cage support	Polypropylene
Filter sensitivity	0,22µm, 0,45µm, 1µm, 3µm, 5µm
Filter surface area	>0,5m ² /10"
Temperature	Max. 80°C
Differential pressure	Max. 4,9 bar at 20°C Max. 1,4 bar at 80°C Filter change recommended at 2,5 bar
Dimensions	External diameter 7,0 mm Lengths 30"
Size	10", 20", 30", 40"

Features

- Excellent chemical compatibility, suitable for filtering organic solvents acid bases
- Pleated design increased the filtration area
- Low pressure drop, long service life
- Full range of removal ratings
- High dirt-hold capacity

Application

Water Filtration, Beverage industry, Pharmaceuticals, Chemical industry, Oil industry, Reverse Osmosis (Pre-treatment)



Microsoll Spun Cartridge Filter



OVERVIEW

Working principle

These filters are normally-rated polypropylene depth filter and extremely robust and compatible with a wide range of chemicals and cleaning agents. The filter is free of surfactants, lubricants, resin binders, adhesives, antistatics or release agents and other additives.

Technical Specifications

Product Code	Size	Filtration Sensitivity
MICRO P 2424	10"	1 μ , 5 μ
MICRO P 2425	20"	1 μ , 5 μ
MICRO P 2426	30"	1 μ , 5 μ
MICRO P 2427	40"	1 μ , 5 μ



Features

- High strength and pressure resistance
- 100 % Polypropylene for wide chemical compatibility
- High dirt holding capacity gives long service life.
- Wide chemical compatibility allows for versatility in application and cleaning / maintenance
- Gradient density media provides high flow rates
- Rigid support core enables use at high flow rates and differential pressure
- High flow rates with reduced pressure loss
- Wide range of lengths and connections retrofits existing housings
- End connections to fit all standard housings

Application

Water Purification Systems (Water Reclamation, Pre-RO Treatment, Potable water), Beverage Industry (Juices, Soft Drinks, Beer and Wine, Spring Water, Bottle Water) Pharmaceutical Industry, Chemical Processes