

Product Lines

LCR 500 Oil Removal Filter Bag

LCR 500 Oil removal filter bag is made from 100% polypropylene melt blown micron fiber, with melt seamlessly multi-layers which includes the prefiltration layer and a complex design of final filtration layers. This construction enables the filter bag with maximization of capacity of solids loading in high flow rate, larger surface area reached to 38 square feet, higher filtration efficiencies from 95% to 99%, and a longer service life.

Features & Benefits

- Manufactured by PP, with great chemical resistance.
- Effective oil absorbency, performs greatly on heavy contamination fluids.
- Low initial pressure drop, and high particle removal efficiency.
- Multi layers of construction enlarge surface area.
- FDA compliant according to CFR Title 21
- Sealing Ring: Stainless steel and Polypropylene ring available.

Operation conditions

- Maximum differential pressure: 35 psid
- Maximum operating temperature: 82°C
- Maximum water flow rate: 50 gpm
- Recommended water flow rate: 25 gpm

Applications of product

- Fuels & Chemicals:
Amines, Acids and bases, DI resins, Glycol, Organic Solvents, Machine Coolants, Completion Fluids, Photo Chemicals
- Microelectronics:
Plating Solutions, Makeup Water
- Water Processing:
Deep wells, Desalination, Groundwater Cleanup, Reverse Osmosis, Waste Water

Product specifications

Micron rating: 522, 525, 527, 529

Material of construction: Polypropylene

Size: #2-7"x32"

(180mm*810mm)



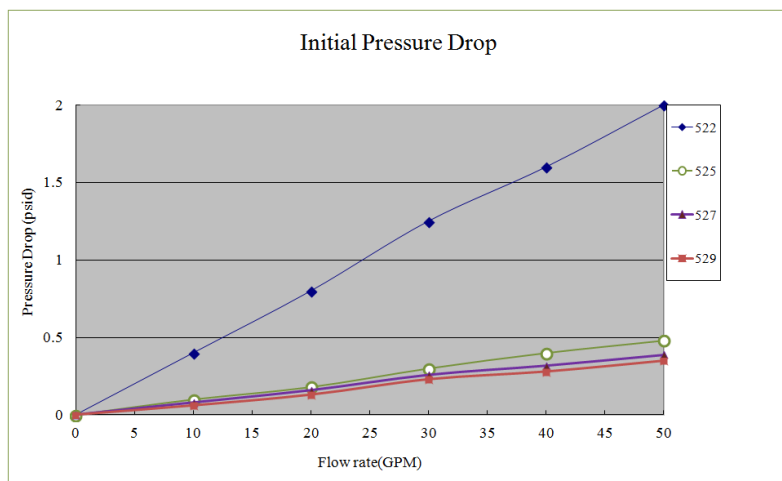
LCR 500 Oil Removal Filter Bag Efficiency

Efficiency of Filtration

Particle Removal Efficiency					
Product Number		522	525	527	529
Performance Data	Dirt-Grams at 25 gpm (5.6 cum/hr)	308	489	755	980
	Dirt-Grams at 25 gpm (11.2 cum/hr)	315	430	645	925
	Oil-Grams at saturation *mineral oil*	4785	5072	6689	3625
Loading Capacity	Efficiency 95%	2.5	5	15	48
	Efficiency 90%	1.5	3	9	35
	Efficiency 75%	0.9	1.5	8	30
	Efficiency 50%	<0.7	1	7	22

*Loading: Loading capacity is extremely high due to the large amount of surface area available. The data above shows typical loading capacities of the different micron-rated filters. Loading capacity is determined by challenging a filter with a dispersion of silica test dust in water at the recommended flow rate. Pressure drop is monitored and testing is terminated at 35 psid (2.4 bar). The loading capacity reported is the dry weight gain of the bag.

Initial Pressure Drop



Ordering Information

