

# LCR 100 Oil Removal Filter Bag with high flow

LCR 100 Oil removal filter bag is made from 100% polypropylene melt blown micron fiber, and has reached over 90% efficiency viable in suggested applications. With unique fiber and deep structure, LCR 100 not only provides excellent filtrate efficiency at very low initial pressure drop, also its large surface area performs greatly on oil absorbency. LCR 100 is a filter bag that works better and installs easier than a filter cartridge.

## ► Features & Benefits

- Manufactured by PP, with great chemical resistance.
- Effective oil absorbency.
- 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 products

- 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: 113,114,115,116,118,119  
123,124,125,126,128,129, 130, 135

Material of construction: Polypropylene melt blown

Size: #1 -7"x16", #2-7"x32"

## Efficiency of Filtration

Particle Removal Efficiency									
Product Number		113/123	114/124	115/125	116/126	118/128	119/129	130	135
Loading Capacity	Efficiency 95%	2	5	10	15	40	30	15	8
	Efficiency 90%	1.3	1.3	6.5	8	29	25	14	6
	Efficiency 75%	0.8	1	2.5	7	21	20	10	4
	Efficiency 50%	<0.7	<1.0	<1.0	4.5	7	15	6	1
$\Delta P(\text{bar})$ Size 2 @ 44GPM (10m <sup>3</sup> /h)		0.4(0.025)	0.3(0.02)	0.2(0.01)	0.2(0.01)	0.2(0.01)	0.2(0.01)	0.7(0.05)	0.3(0.02)

### Loading:

Loading capacity is extremely high due to the large amount of surface area. 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.

## Ordering Information

