

# 100 Series Oil Holding Filter Bag

## Introduction

The 100 Series Oil Holding Filter bag is composed of polypropylene melt blown microfibers, allowing for fine particle capture at high efficiencies. Microteck oil holding filter bags are over 90% efficient at the suggested application rating. 100 Series Oil Holding delivers an excellent performance of high efficiencies with very low initial pressure drops. Furthermore, 100 Series is easy to change out, conveniently alters to filter cartridge.



## Specification

Filter Media : Meltblown polypropylene micro fiber filter media brings high particle removal efficiency for high quality filtration with broad chemical compatibility.

FDA compliant according to CFR Title 21

Sealing Ring: Stainless Steel and Polypropylene ring available

## Applications

Acids and bases / Amines / Carbon Beds / Makeup Water / Deep Wells / Desalination / DI Resins / Glycol / Organic Solvents / Groundwater Clean Up / Machine Coolants / Completion Fluids / Photo Chemicals / Plating Solution / RO Membranes / Storm Water / Waste Water / Waterflood

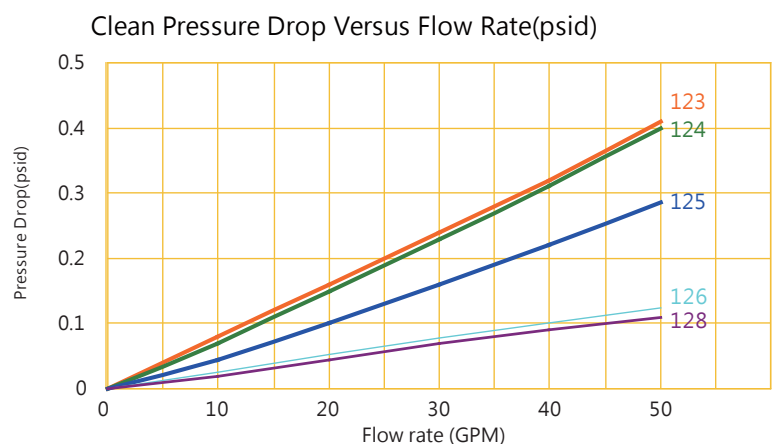
## Particle Removal Efficiency

Product Code	123	124	125	126	128
Efficiency@95%	1.5	2.5	7.5	10.0	34.0
Efficiency@90%	1.3	1.3	6.5	8.0	29.0
Efficiency@75%	0.9	1.0	2.5	7.0	21.0
Efficiency@50%	<0.7	<1.0	<1.0	4.5	7.0

## Operation Conditions

Max. Operating Temperature 180°F ( 82°C )  
Recommended Flow (in water) 25gpm (5.7cu m/hr)  
Suggested Max. Flow (in water) 50gpm (11cu m/hr)  
Suggested Max. Differential Pressure 35psid (2.4bar)

## Initial Pressure Drop



# 500 Series Oil Holding Filter Bag

## Introduction

500 Series Oil Holding Filter bag uses the patented bypass/transport layer design that maximizes particle containment and surface area of each filter bag. This unique design also improves performance and reduces operating costs. Compare with normal filter bag 4.4 square feet and filter cartridge only 6.5 square feet, the surface area of 500 Series Oil Holding Filter Bag reaches 38 square feet.

500 Series Oil Holding Filter bag is constructed by patented by pass/transport concept, specially designed can cut into certain areas of the filter media to prevent premature blinding of the filter. The transport layer in the second layer of the filter bag provides a barrier for final particle filtration. This construction enables to maximize dirt loading capacity at high flow rates. There are no sewn seams used in any filtering layers, thus allowing high filtration efficiencies for fine particles.



### Additional operational advantages of 500 Series:

- ◇ Easier and faster change out, less labor required
- ◇ Bag compressibility, no waste consumption
- ◇ Contaminant captured inside the bag, convenient handling

## Applications

Acids and bases / Amines / Carbon Beds / Makeup Water / Deep Wells / Desalination / DI Resins / Glycol / Organic Solvents / Groundwater Clean Up / Machine Coolants / Completion Fluids / Photo Chemicals / Plating Solution / RO Membranes / Storm Water / Waste Water / Waterflood

## Particle Removal Efficiency

Product Code	522	525	527	529
Efficiency@99%	2.5	5.0	15	48
Efficiency@95%	1.5	3.0	9	35
Efficiency@90%	0.9	1.5	8	30
Efficiency@75%	<0.7	1.0	7	22
Efficiency@50%	<0.7	<1.0	4	8

## Operation Conditions Initial Pressure Drop

Max. Operating Temperature 180°F ( 82°C )  
 Recommended Flow (in water) 25gpm (5.7cu m/hr)  
 Suggested Max. Flow (in water) 50gpm (11cu m/hr)  
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