

# HIGH PERFORMANCE LIQUID FILTER BAGS

## 500 SERIES



### **500 SERIES-GRADED DENSITY BAGS-98% EFFICIENCY**

*The 500 Series have approximately four times the dirt-holding capacity of our PEMF/POMF series bags at equivalent filtration levels.*

## FILTRATION EXPERTS



**R. A. ROSS & ASSOCIATES, INC.**  
*Keeping process flowing since 1985*

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**PUMPS • FILTERS • BLOWERS • MIXERS • REPAIRS • SPECIALTY**



## 500 Series, Graded Density Bags - 98% Efficiency

The 500 Series have approximately four times the dirt-holding capacity of our PEMF/POMF series bags at equivalent filtration levels. You can now use bags where performance levels previously required cartridges. These Graded Density Bags are made of multiple layers of microfibers and standard fibers variably calendered, providing filtration to .5 micron. Heavy-duty handles for ease in removal are available. The fully shaped bottoms enhance the pressure capacities of the bag.

The 500 Series has multiple layers of microfiber material, each layer with 4.4 sq. ft. of surface area.



### Design Details

All Graded Density Bags have a 304 stainless steel retaining ring sewn in their opening. They make bag removal faster and easier.

The bags are sewn, then turned inside out to avoid leakage through the threads. They are also made with sewn, fully-shaped bottoms to enhance the pressure capacities of the bags.

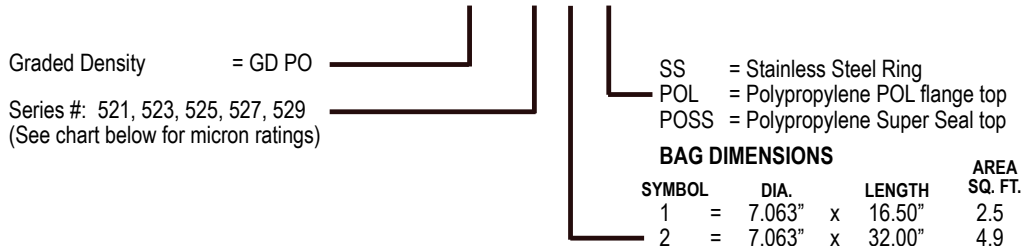
There are two sizes available. Size 1 is 7 inches by 16 inches. Size 2 is 7 inches by 32 inches.

The 500 Series, Graded Density filter bag materials comply with CFR Title 21 FDA regulations governing food and beverage contact.

The materials used to manufacture the 500 Series, Graded Density, 98% Efficiency filter bag comply with CFR Title 21 FDA regulations governing food and beverage contact.

### How to Order Series 500 Filter Bags

#### EXAMPLE: GD PO-523-2-POL



### Filtration Levels

These bags have been tested by an independent laboratory to determine the filtration efficiency of the media used in each of the filter bags. The efficiencies for polyester and polypropylene are identical.

### Dirt Carrying Capacity

Tests that were conducted using a size 2 bag and AC fine test dirt at 20 GPM, show dirt holding capacities for the following filtration ratings (at 20 PSI).

### Oil Holding Capacity

In addition to contaminant removal, the Series 500 bags in polypropylene will absorb trace oils that occur in fluids. This ranges from 100 grams per sq. ft. of filter material up to 400 grams per sq. ft. of filter media.

MODEL NUMBER	521	523	525	527	529
<b>EFFICIENCY</b>	<b>MICRON RATING</b>				
98.0%	0.5	1.0	3.0	8.0	19.0
99.0%	1.0	2.0	5.0	19.0	25.0

The test was conducted using AC file Test Dirt interfaced into clean water at 20 GPM.

MICRON RATING	MODEL	DIRT HOLDING CAPACITY	PRESSURE DROP
0.5	521	237	2.5 PSI
1.0	523	267	2 PSI
3.0	525	296	LESS THAN .50 PSI
8.0	527	573	LESS THAN .50 PSI
19.0	529	870	LESS THAN .50 PSI

Pressure drop at 50 gpm flow (water) and specified micron rating using a Model 8 (8-30) filter housing.

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