

Industry Standard Liquid Filter Bags made with the highest grade material to offer you quality and efficiency in each bag.

Features:

- Constructed using 100% polypropylene fiber. Polypropylene bags are treated with a glazed finish to reduce fiber migration.
- Polypropylene meets FDA regulations for food contact under CFR21, Section 177.1520
- Silicone-free construction
- High dirt holding capacity
- Silicone-free construction
- Temperature Rating: 180°F
- Polypropylene Ring (standard)
 - Molded plastic with built-in handle for cleaner installation and disposal
 - Smooth plastic design prevents build-up of contaminants around top of bag
 - Collar is welded into place for stability



POLYESTER FELT COMPATIBILITY

| | |
|--------------------------------|-----------|
| Mineral Acids | Excellent |
| Organic Acids | Excellent |
| Alkalis | Fair |
| Oxidizing Acids | Good |
| Animal/Vegetable Petro Oils | Excellent |
| Organic Solvents | Good |
| Micro Organisms | Excellent |

Filter Bag Pressure Drop

The graph gives the clean pressure drop through a number 2 size bag for water, 1 CPS @ 70°F

To determine the pressure drop caused by the filter bag, follow these steps:

Step 1:

Select the type of bag, micron rating and flow rate, determine the pressure drop for water, 1 cps @ 70°F for a size #2 bag.

Step 2:

Correct for bag size from the Bag Size Correction table at the right if the bag size is different than a #2 size.

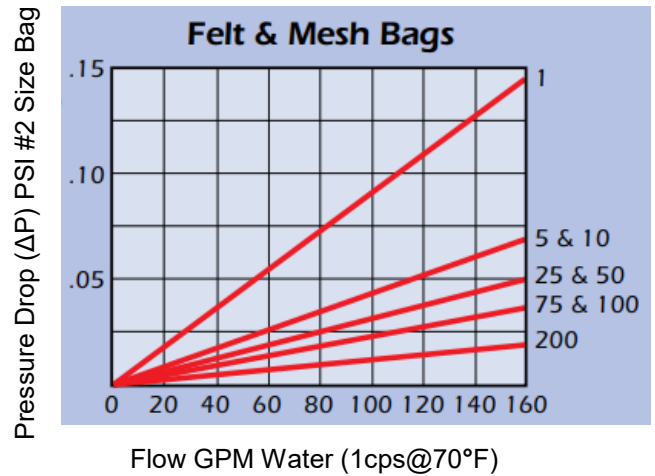
Step 3:

If the viscosity of the liquid is greater than 1 cps (water@ 70°F.), multiply the result from step 2 by the proper correction factor from the Viscosity Correction table at the right. The value obtained in Step 3 is the clean pressure drop caused by the filter bag.

The most important factor in selecting a housing size for a filter bag application is the initial total clean pressure drop for the system, ΔPS. The pressure drop, ΔPS, consists of the pressure drop caused by the housing ΔPH with the bag basket in place plus the pressure drop caused by the filter bag ΔPB.

SYSTEM PRESSURE DROP = ΔPS = ΔPH + ΔPB

For new applications, the clean pressure drop of the system, housing and bag should be 2.0 PSI or less. The lower the value is, the more contaminant a bag will hold.



| Bag Size Correction | | |
|---------------------|---------------|-------------|
| Bag Size | Dia. X Length | Multiply By |
| #2 | 7.2 x 32 | 1 |
| #4 | 4.3 x 14 | 4.5 |
| #1 | 7.2 x 16 | 2.25 |

| Viscosity Correction | |
|----------------------|-------------------|
| Viscosity CPS | Correction Factor |
| 50 | 4.5 |
| 100 | 8.3 |
| 200 | 16.6 |
| 400 | 27.7 |
| 800 | 50.0 |
| 1000 | 56.2 |
| 1500 | 77.2 |
| 2000 | 113.6 |
| 4000 | 161.0 |
| 6000 | 250.0 |
| 8000 | 325.0 |
| 10000 | 430.0 |