# Rosedale's Absolute Pleated Cartridges

## High efficiency cartridges– Long service life

Rosedale filter cartridges provide efficient solids removal in liquid systems where series filtration is not required. Absolute Ratings range from 0.5 to 70 microns.

Each cartridge has pleated, fixed pore media to maximize surface area, prevent particle unloading, and fiber migration. Media selections include cellulose, fiberglass, polyester, and polypropylene.

The wide variety of media, filter sizes, and end cap configurations provide customers with the preferred cartridge for their specific application.

Superior construction materials and quality control techniques ensure that our filter cartridges will provide quality filtration, even in harsh operating conditions.

# How To Order

Build an ordering code as shown in the example

**Example:** **AB - 10 - P - 2 - 1**

**ABSOLUTE SERIES** = **AB**

**MICRON RATING**
(@ Beta 5000)

| | |
|---|---|
| 0.5 Micron | = **0.5** |
| 2 Micron | = **2** |
| 5 Micron | = **5** |
| 10 Micron | = **10** |
| 20 Micron | = **20** |
| 40 Micron | = **40** |
| 70 Micron | = **70** |

**FILTER MEDIA**

| | |
|---|---|
| Polypropylene | = **P** |
| Glass | = **G** |
| Polyester | = **R** |
| Cellulose | = **C** |

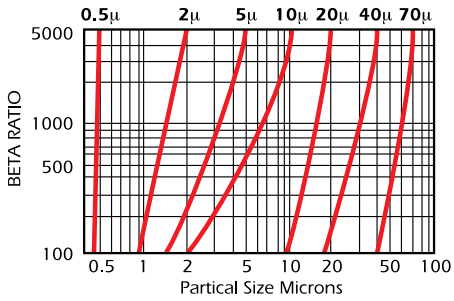
**CARTRIDGE LENGTH**

| | |
|---|---|
| 29.75 | = **2** |
| 40 | = **4** |
| 20 | = **9** |

**END CAP**

| | |
|---|---|
| Doe | = **1** |
| 222 O-ring | = **2** |
| Soe | = **3** |

## Rosedale Beta Curves



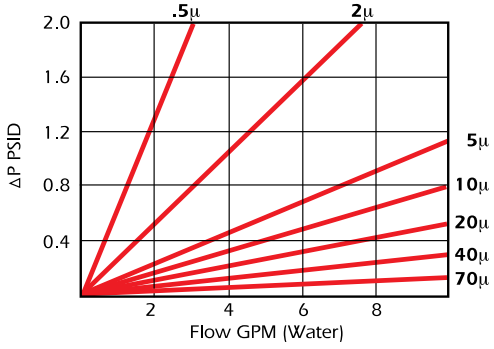

The Beta Ratio (ß) at a given particle size can be correlated to the filter efficiency at that particle size according to the following formula:

**Filter Efficiency (%) = [(b-1)/b] x 100%**

| Beta Ratio (ß) | 100 | 1000 | 5000 |
|---|---|---|---|
| Filter Efficiency (%) | 99.00 | 99.90 | 99.98 |

Each filter element will have a different Beta Ratio for every specified particle size. The determination of a variety of Beta values for the same filter provides a filter efficiency profile commonly referred to as a Beta Curve.

## Flow Rate Vs. ΔP




Flow rate is per single 10-inch element. For other liquid's, multiply the ΔP by the fluid's viscosity in centipoise. For longer cartridges, divide the ΔP by the number of 10-inch equivalents.