

## ZenCap® Full Size Standard Grade Capsules

### 10"-40" Disposable Process Filtration

ZenCap® standard grade capsule filter assemblies are ready-to-use, full size filters that offer high flows, increased throughputs, high strength, all with the convenience and cleanliness of a disposable and easy-to-install filter assembly. Designed for pre-filtration, clarification, and final filtration in the food and beverage, chemical, DI water and other industries.

ZenCap® capsule assemblies are available with a wide range of hydrophilic and hydrophobic filter media and pore sizes for liquid, gas, and venting applications. Engineers can choose from 17 filtration medias to create any combination of **integrated** filtration train. These will allow for a disposable process to become truly flexible, clean, and optimal.

They can be built in a T-style or In-line configuration with 12 inlet and outlet fitting connections that can be mixed and matched. The filtration shell is an all-polypropylene construction that provides excellent chemical compatibility with low extractables. The shell and supports can also be constructed in nylon, polyethylene or gamma stabilized PP shells for additional compatibility. No adhesives or binders are used in the encapsulation process.



### Applications

Clarification	Water & Wine
Hard Particle	Food & Beverages
Cell Removal	Industrial
Chemicals	Biologic reduction
Inks, Dyes	Oils, Waters
Cosmetics	Diagnostics

### Specifications

<b>Materials of Construction:</b> (Standard Option)	Media: Multiple media Media Supports: Polyester Cage, Core, End Caps: Polypropylene or Nylon O-Rings: Silicone Sealing: Thermal End Capping
<b>Fitting Connections:</b>	See ordering guide for the availability. (Custom adaptors available upon request)
<b>Nominal Dimension:</b>	Length: 10", 20", 30", 40" Diameter: 3.54" (90 mm)
<b>Effective Filtration Area:</b> (Single Layer/PP Construction)	Media Dependent.
<b>Operating Conditions:</b>	Maximum Operating Pressure: Liquid: 5.5 bar (80 psi) at 72 °F/22 °C Gas: 4.1 bar (60 psi) at 72 °F/22 °C Maximum Forward Differential Pressure: 5.0 bar (72 psi) at 72 °F/22 °C Maximum Reverse Differential Pressure: 3.0 bar (44 psi) at 72 °F/22 °C Minimum Burst Pressure: 8.3 bar (120 psi) at 72 °F/22 °C Maximum Operating Temperature: PP & Gamma PP: 176 °F/80 °C HDPE: 140 °F/60 °

