**CERTAIN-PORE Filter Cartridges**

**CTZ Q FlowType**
For high flow filtration applications (Hydrophobic PTFE Membrane)

### Major Applications
- Functional resin and Chemicals used in the electronics industry
- Photo-resists and Chemicals in semiconductor industry
- High-purity solutions and organic solvents
- Removal of undissolved resin contained in binder etc.
- Others

### Features & Benefits
- **High flow rate due to large diameter.**
  - Since the number of installation can be reduced, the filter housing can be miniaturized (Space saving).

- **Excellent chemical compatibility**
  - Constructed from Hydrophobic membrane with PTFE Filter Media and Polypropylene components

- **Integrity testing of all products**

### Materials of Construction

![Diagram of filter cartridge components: Core, Cage, O-Ring, End Cap, Support, Media]

### Specification

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Micron Rating (μm)</th>
<th>CTZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>E.F.A. (m² / 250mm)</td>
<td>0.1</td>
<td>0.2</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O.D. (mm)</td>
<td>83.0</td>
<td></td>
</tr>
<tr>
<td>I. D. (mm)</td>
<td>49.0 (for E, W) / 33.5 (for 1)</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Media</td>
<td>Hydrophobic PTFE Membrane</td>
<td></td>
</tr>
<tr>
<td>Support</td>
<td>Polypropylene</td>
<td></td>
</tr>
<tr>
<td>Core, Outer Cage, End Cap</td>
<td>Polypropylene</td>
<td></td>
</tr>
<tr>
<td>Maximum ∆P at 20°C (68°F)</td>
<td>0.35MPa (3.5bar, 50.7psid)</td>
<td></td>
</tr>
<tr>
<td>Maximum Operating Temp.</td>
<td>80°C (176°F)</td>
<td></td>
</tr>
</tbody>
</table>

---

*I: Simplified integrity testing of all products.

*2: If you need further information on specifications (length, end cap type, etc.), please contact us.

*3: Q Flow exclusive housings are available. Depending on applications and filtration volume, we are pleased to offer the most suitable product, please contact us for further information.
Flow Rate

Fluid: Refined Water 20ºC(68°F)  Cartridge Length: 250mm
* The data does not include piping pressure drop.

Ordering Information

250 L−CTZ−010 V E C
[ Nominal Length ] [ Micron Rating ] [ Gasket/O-Ring ] [ End Cap Code ] [ Packaging Code ]
250 = 250mm 001 = 0.1 μm S = Silicone A = 1pc
500 = 500mm 002 = 0.2 μm E = EPDM B = 6pcs
750 = 750mm 005 = 0.45μm N = NBR C =10pcs
1000 = 1000mm 010 = 1.0 μm V = FKM

End Cap Code

Code E

Code W

Code 1

*The contents of the catalog are subject to change without notice.