CERTAIN-PORE Filter Cartridges

**CER Type** (Polyethersulfone Membrane) (For Electronics industry)

### Major Applications
- Ultra-pure water and chemical solution in the manufacturing process of LCD panel
- Ultra-pure water and chemical solutions in the semiconductor industry
- Others

### Features & Benefits
- **Asymmetric polyethersulfone membrane (hydrophilic)**
  - Due to its asymmetric structure and gradient pore size from up-stream side to down-stream side, a long service life is achieved by preventing surface blockage on membrane.
  - Excellent resistance to chemicals such as acidic and alkaline chemicals
- **100% ultra-pure water cleaning**
- **100% integrity test**
- **Clean double bag packaging**

### Materials of Construction

![Diagram of CER Type filter cartridge]

- **Core, Outer Cage, End Cap**: Support
- **O-Ring**: Media
- **End Cap**: Support

### Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>CER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micron Rating (μm)</td>
<td>0.05</td>
</tr>
<tr>
<td>E.F.A. (m² / 250mm)</td>
<td>0.77</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
</tr>
<tr>
<td>O.D. (mm)</td>
<td>70.0</td>
</tr>
<tr>
<td>I. D. (mm)</td>
<td>26.1 (for F) / 25.6 (for 0, 5) / 30.0 (for 7)</td>
</tr>
<tr>
<td>Materials</td>
<td></td>
</tr>
<tr>
<td>Media</td>
<td>Polyethersulfone (PES) Membrane</td>
</tr>
<tr>
<td>Support</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Core, Outer Cage, End Cap</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Maximum ΔP at 20°C (68°F)</td>
<td>0.49MPa (4.9bar, 71psid)</td>
</tr>
<tr>
<td>Maximum Operating Temp.</td>
<td>80°C (176°F)</td>
</tr>
</tbody>
</table>

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

![Graph showing flow rate against differential pressure and flow rate (gpm).]

Fluid: Refined Water (20°C)  Cartridge Length: 250mm
* The data does not include piping pressure drop.
* The above data is based on our test condition, and is not guaranteed value.

Ordering Information

250 L - C E R - 001 V 0 A

[ Nominal Length ]
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[ Micron Rating ]
50N = 0.05μm
001 = 0.1μm

[ Gasket/O-Ring ]
S = Silicone
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM (for 0, 5, 7)
ɹPTFE (for F)

[ End Cap Code ]
F = Flat Gaskets
0 = 2-222 O-Ring
5 = 2-222 O-Ring + Fin
7 = 2-226 O-Ring + Fin

[ Packaging Code ]
A = 1pc
B = 6pcs
C = 10pcs
F = 25pcs

End Cap Code

- Code F
- Code 0
- Code 5
- Code 7

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