Zeta Plus U2 and U2W Utility Series filter cartridges are specifically designed to provide high efficiency and cost effective filtration of dielectric oils for the power generation industry. U2 grades remove particulate and lower levels of moisture while U2W grades have been optimised to remove higher levels of moisture together with particulate contamination.

Composition
The U2 and U2W grades are composed of cellulose and microfibres with specially selected inert filter aids and charge enhancing resin. The U2W grades are constructed with an additional high capacity water absorbing media. Both grades provide reliable filtration even under the most demanding operating conditions. Zeta Plus U2 and U2W cartridges are available in two cartridge heights, single or double, for easy installation and removal. Features include optional Zeta Plus Lifting Device handles to limit contact with oils, and water-impervious foil packaging to prevent absorption of atmospheric moisture prior to use.

To minimised potential for moisture re-entrainment and ensure high efficiency particulate removal, it is recommended cartridges be replaced when a differential pressure of 1.4 bar (20 psid) is reached.

Features & Benefits

- **Patented, charge-modified Zeta Plus media**
  - High efficiency electro-kinetic adsorption of fine particulate

- **Durable, pre-tensioned cartridge construction**
  - Reliable cartridge sealing to eliminate filter by-pass

- **High capacity U2W moisture removal formulation**
  - Complete removal of moisture in addition to particulate from heavily-contaminated oils
  - Automatic cut-off for reliable water removal without re-entrainment
  - Significantly improved dielectric values

- **Multiple cartridge height construction and optional Zeta Plus lifting device**
  - Easier cartridge installation and removal from housings
  - Minimal operator contact with dielectric fluids

- **High particulate and moisture removal capacity**
  - Cost effective filtration in a broad range of applications

- **Optional water impervious foil packaging with desiccant**
  - Maximises moisture capacity by eliminating exposure desiccant to environmental moisture in high humidity areas

- **Combination packaging options - one change-out set**
  - User friendly packaging for convenient storage and of cartridges per carton handling
# US Zeta Plus U2 & U2W Series Ordering Guide

## Cartridge Configurations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Diameter (inches)</th>
<th>Height (cm)</th>
<th>Cells</th>
<th>Area (m²)</th>
<th>Units Per Carton</th>
<th>Media</th>
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<tbody>
<tr>
<td>Z2UC1</td>
<td>12</td>
<td>19.53</td>
<td>7</td>
<td>0.65</td>
<td>2</td>
<td>05 U2</td>
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<tr>
<td>Z2UC2</td>
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<td>39.05</td>
<td>14</td>
<td>1.30</td>
<td>1</td>
<td>05 U2</td>
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<td>Z2UD1</td>
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<td>18.73</td>
<td>6</td>
<td>0.56</td>
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<td>05 U2W</td>
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<tr>
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<td>37.47</td>
<td>12</td>
<td>1.11</td>
<td>1</td>
<td>05 U2W</td>
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</tbody>
</table>

## Operation Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Media Operating Temperature</td>
<td>60 °C</td>
</tr>
<tr>
<td>Maximum Operating Differential Pressure</td>
<td>2.5 bar</td>
</tr>
<tr>
<td>Recommended Flow Rate</td>
<td>0.38 l/m²</td>
</tr>
</tbody>
</table>

## The Zeta Plus Utility Series Advantage

- Optimised cartridge design for high efficiency and cost effective filtration of service aged oils
- Patented, charge-modified media for electro-kinetic adsorption of fine particulate
- U2W formulation for removal of high levels of moisture from dielectric oils
- Multiple height cartridges for easy cartridge installation and removal
- Pre-tensioned cartridge construction for reliable cartridge sealing
- Wide range of housings and mobile systems for easy, on-site oil reconditioning

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**Important Notice**

3M Purification makes no warranties, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. Since a variety of factors can affect the use and performance of a 3M Purification product in a particular application, some of which are uniquely within the user’s knowledge and control, user is responsible for determining whether or not the 3M Purification product is fit for a particular purpose and suitable for user’s method of application.

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