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Zeta Plus™ U2 & U2W Series Utility Series Depth Filter Cartridges

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 microfibrils 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 minimise 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

Applications

Dielectric Oils

Fuels

Hydraulic Fluids

Lubricating Oils

Machine Cutting Tool Oils

Machine Oil

Quenching Oil

Turbine Oil

The 3M logo, consisting of the letters '3M' in a bold, red, sans-serif font.

US Zeta Plus U2 & U2W Series Ordering Guide

Cartridge Diameter	Cartridge Height	Construction	Gasket Material	Packaging	Media Grade	Media Formulation
U2 Grade						
Z2UC (12" Diameter)	1 - Single Height 2 - Double Height 3 - Combination*	1P - Without Handles 2P - With Lifting Handles	D - Nitrile	1 - Standard (poly bags) 2 - Water-impervious foil bag	05	U2 - Particulate removal from dielectric oils
U2W Grade						
Z2UD (12" Diameter)	1 - Single Height 2 - Double Height 3 - Combination*	1P - Without Handles 2P - With Lifting Handles	D - Nitrile	1 - Standard (poly bags) 2 - Water-impervious foil bag	05	U2W - Particulate and water removal from dielectric oils

*Combination packaging consists of a single box containing one 1-high cartridge and one 2- high cartridge.

Cartridge Configurations						
Part Number	Diameter (inches)	Height (cm)	Cells	Area (m ²)	Units Per Carton	Media
Z2UC1	12	19.53	7	0.65	2	05U2
Z2UC2	12	39.05	14	1.30	1	05U2
Z2UD1	12	18.73	6	0.56	2	05U2W
Z2UD2	12	37.47	12	1.11	1	05U2W

Operation Parameters	
Maximum Media Operating Temperature	60 °C
Maximum Operating Differential Pressure	2.5 bar
Recommended Flow Rate	0.38 l / m ²
Z2UD2	15.91 cm

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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