

KETCO UltraPure UPE Cartridge Filter



FEATURES

- **High Purity Filtration Performance**

Designed for semiconductor and UPW applications with consistent particle retention down to sub-micron levels.

- **Low Differential Pressure**

Optimized pleat structure delivers high flow capacity with minimal pressure drop, improving system efficiency.

- **High Dirt Holding Capacity (DHC)**

Extended service life reduces change-out frequency and lowers operating cost.

- **Broad Micron Range Availability**

Available in 50 nm, 0.1 μ m, and 0.2 μ m configurations to suit different process requirements.

- **Chemically Compatible Materials**

Constructed with materials suitable for aggressive chemicals and ultrapure water environments.

- **Stable Flow Performance**

Linear ΔP vs flow characteristics ensure predictable operation and easier system control.

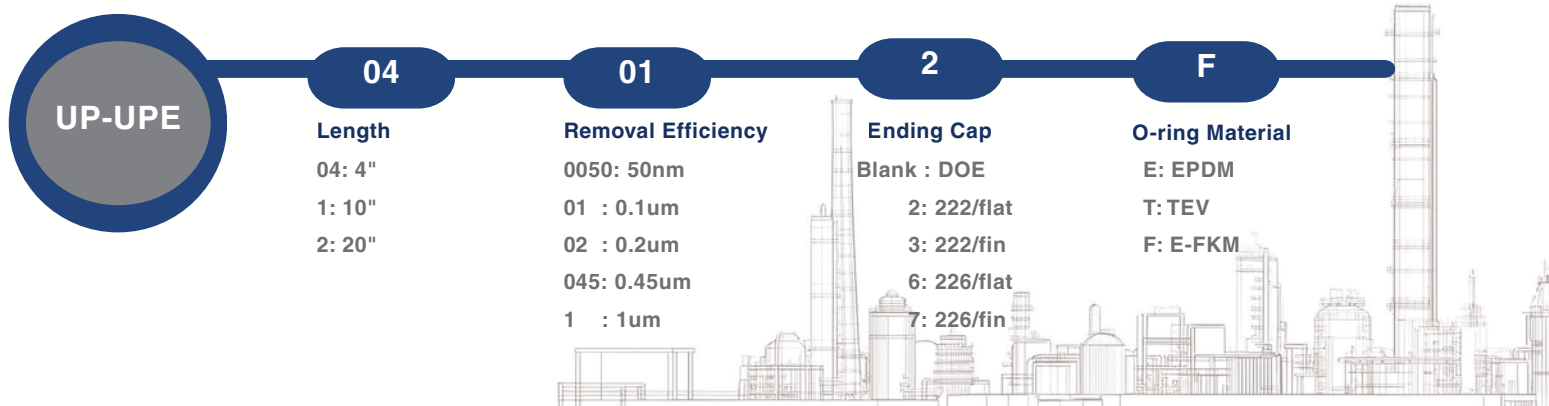
- **Cleanroom-Compatible Design**

Suitable for critical applications requiring low extractables and minimal contamination risk.

- **Flexible Configuration**

Compatible with standard industrial housings and multiple end-cap options.

ORDERING GUIDE



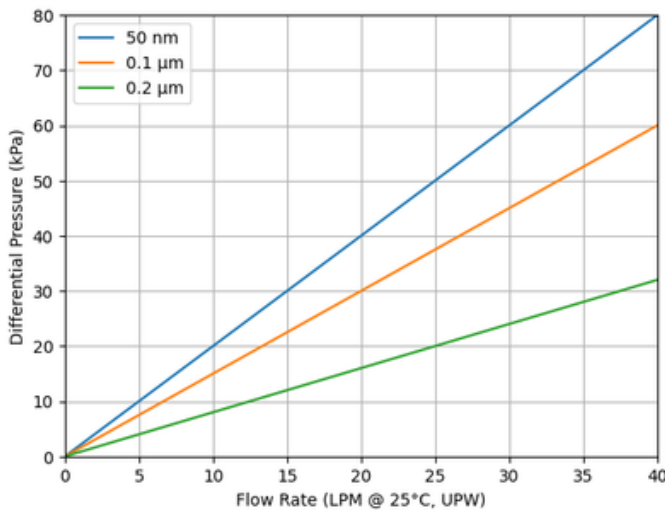
KETCO UltraPure - UPE



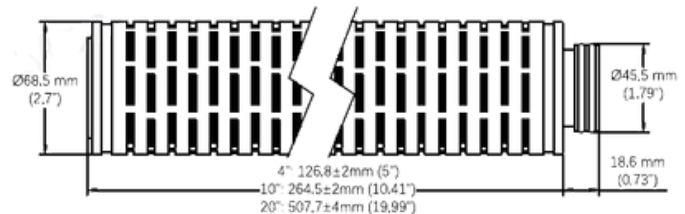
SPECIFICATIONS

Filter Media	UPE
Cartridge Core, Support, Cage	HDPE
Micron Rating	50nm, 0.1um, 0.2um, 0.45um, 1um
Cartridge Length	4", 10", 20"
Maximum Operating Temperature	40°C
Maximum Forward Differential Pressure	0.34Mpa @ 25°C
Maximum Reverse Differential Pressure	0.24Mpa @ 25°C
Surface Area	1.2m ² /10"
Outer Diameter	68mm

Typical Differential Pressure Curve (UPW, 25°C)



Typical values shown. Actual performance may vary depending on fluid characteristics, contamination load, and operating conditions.



APPLICATIONS

- **ULTRAPURE WATER SYSTEMS**
- **WET PROCESS CHEMICAL FILTRATION**
- **PHOTO RESIST AND DEVELOPER FILTRATION**
- **CHEMICAL MECHANICAL PLANARIZATION (CMP)**
- **DI WATER RINSE**



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