



OvivUP®

The premium grade ion exchange resins

The ultimate quality for Ultrapure water applications in the
electronics and semiconductor industries



Bringing water to life®

OvivUP resins

Especially developed to meet the most stringent requirements and the ultimate Ultrapure water quality for the semiconductor and electronics industry, the OvivUP premium UPW grade resins are characterized by a high degree of purity, cleanliness that provides such benefits as shorter rinse times and longer resin life.

These Ultrapure water grade ion exchange resins offer significant improvements in rinse down to a resistivity of $\geq 18.2 \text{ M}\Omega\cdot\text{cm}$, lower levels of TOC leakage, Boron and highly reduction of leakage of metallic impurities to the ppt level.

In particular, OvivUP – M020 non-regenerative mixed-bed premium grade resin demonstrates excellent specificities for obtaining high-quality UPW.

OvivUP cation and anion components can be provided as mixed beds for ease of start-up or separately depending on the needs of the installation.

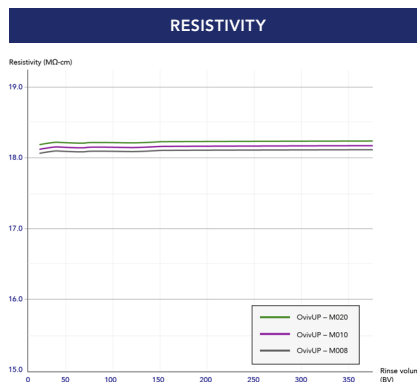
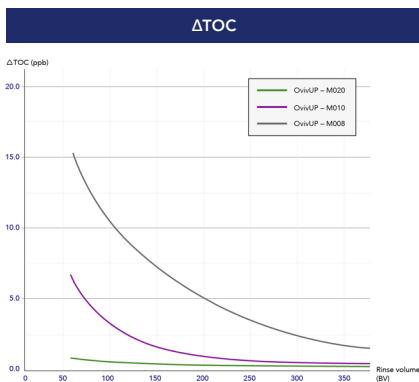
Technical specifications

| | TYPICAL USE | REGENE-RATION | TYPE | FORM | OUTLET RESISTIVITY (M $\Omega\cdot\text{cm}$) | ΔTOC (ppb) | METALS LEAKS* (ppt) |
|---------------|-------------------|---------------|-------|--------|--|---------------------------------|---------------------|
| OvivUP – M020 | Polishing | One-way | Mixed | Gel | ≥ 18.2 | ≤ 1 | < 0.5 |
| OvivUP – M010 | Polishing Make-up | One-way | Mixed | Gel | ≥ 18.1 | ≤ 2 | < 2 |
| OvivUP – M008 | Polishing Make-up | One-way | Mixed | Gel | ≥ 18 | ≤ 5 | N/A |
| OvivUP – C009 | Make-up | Regenerable | SAC | Gel | ≥ 18 (MB) ≥ 12 (SB) | ≤ 3 (MB) ≤ 15 (SB) | N/A |
| OvivUP – A009 | Make-up | Regenerable | SBA | Porous | ≥ 18 (MB) ≥ 15 (SB) | ≤ 3 (MB) ≤ 5 (SB) | N/A |

MB = Mixed Bed ; SB = Single Bed. *Metals leaks in UPW.

Cation and anion components for the OvivUP – M020 and OvivUP – M010 can be provided separately.

Highest quality



All data are typical values. Resistivity, TOC, and metals rinse performance measured after 12 hrs. at 30 BV/h with $\geq 17.5 \text{ M}\Omega\cdot\text{cm}$ rinse water. The special properties of the OvivUP resins can only be fully guaranteed if the technology and processes used correspond to Ovivo recommended operating conditions.

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Ovivo is a global leader in water solutions for the semiconductor industry and stands as a founding member of the Semiconductor Climate Consortium (SCC), a pioneering initiative dedicated to fostering climate progress within the industry.

ovivowater.com

Key features



SEMICONDUCTOR-GRADE

Specifically developed for UPW systems requiring $\geq 18.2 \text{ M}\Omega\cdot\text{cm}$ and $\text{TOC} \leq 1 \text{ ppb}$



HIGH PURITY

Cleaned and rinsed with Ultrapure water during manufacturing



PEAK PERFORMANCES

Superior TOC and resistivity rinse profiles



REDUCED RINSE VOLUME

Impurity levels below detection limits with short rinsing times



LOW LEACHABLES

Very low Boron ($< 20 \text{ ppt}$), metals ($< 0.5 \text{ ppt}$), and TOC ($< 1 \text{ ppb}$)



QUALITY ASSURANCE

Detailed analysis certificate available for each batch



PACKAGING OPTIONS

Bags of 25 liters