



OvivUP™

## THE PREMIUM GRADE ION EXCHANGE RESINS

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



Worldwide Experts in Water Treatment

# 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  $\geq 18.2 \text{ M}\Omega\cdot\text{cm}$ , lower levels of TOC leakage, Boron and highly reduction of leakage of metallic impurities to the ppt level.

In particular, the non-regenerative mixed-bed resin OvivUP – M020 premium grade resin demonstrate 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

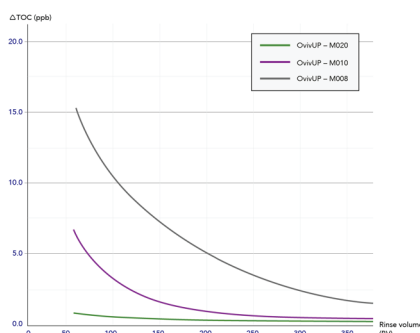
	TYPICAL USE	REGENERATION	TYPE	FORM	OUTLET RESISTIVITY (M $\Omega\cdot\text{cm}$ )	$\Delta\text{TOC}$ (ppb)	METALS LEAKS* (ppt)
OvivUP – M020	Polishing	One-way	Mixed	Gel	$\geq 18.2$	$\leq 1$	$< 0.5$
OvivUP – M010	Polishing Make-up	One-way	Mixed	Gel	$\geq 18.1$	$\leq 2$	$< 2$
OvivUP – M008	Polishing Make-up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

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

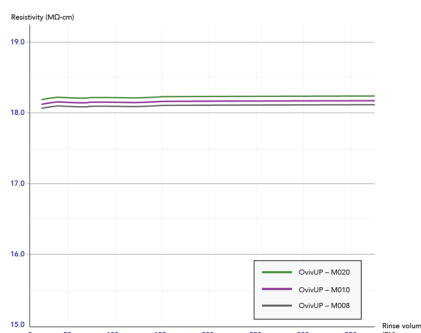
Cation and anion components for the OvivUP – M020 and OvivUP – M010 can be provided separately.

## HIGHEST QUALITY

### $\Delta\text{TOC}$



### RESISTIVITY



All data are typical values. Resistivity, TOC, 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 the only water company which has been a member of the former F450C consortium.

**ovivowater.com**

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## 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



### SPECIFIC PACKAGING PROCEDURES

Gas barrier packaging

OvivUPBRO-11.2021