UPW PUMPS

The high purity metal-free pumps

The new generation of non-metallic pumps, designed and manufactured for Ultrapure water applications

OVIVO®

Bringing water to life®

UPW Pumps

Non-metallic high purity pumps, designed and manufactured to the most stringent semiconductor standards.

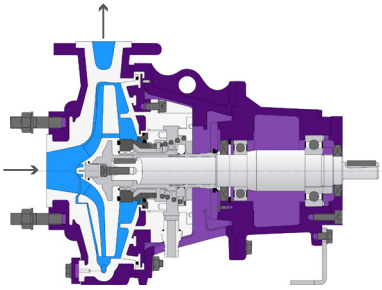
UPW pumps are the uncompromising answer to what wafer fabrication plant operators expect in order to meet current and future IRDS requirements.

Zero metallic particle released

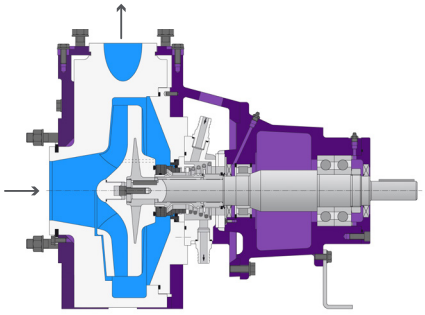
All pump components exposed to UPW are made of PVDF (Polyvinylidene Fluoride), and are cleaned according to strict semiconductor-grade procedure.

The use of high quality PVDF guarantees no release of any metallic and/or oxidizable particles in UPW.

PVDF Impeller



NPC Model



NP Model

Technical specifications

UPW PUMPS		NPC MODEL	NP MODEL
FLOW	m^3/h (gpm)	up to 120 (528)	up to 250 (1'100)
DIFFERENTIAL HEAD	m (ft)	up to 90 (295)	up to 100 (328)
NOMINAL PRESSURE		PN10	
FLUID TEMPERATURE	°C (°F)	-20 ... +110 (-4 ... +230)	
PUMP CASING MATERIAL		PVDF or PVDF-HP	
IMPELLER MATERIAL		PVDF or PVDF-HP	
MOTOR		50Hz or 60Hz Fixed speed or driven by VFD*	
SHAFT SLEEVE MATERIAL		Stainless Steel (1.4571) with Fluoroplastic coating	
MECHANICAL SEAL	Seal rings	EKasic® C (SiC)	
	Spring	Fluoroplastic coated	

**VFD: Variable Frequency Drive*

Key features

MAXIMAL PURITY
Superior quality PVDF material for Ultrapure water applications

PEAK PERFORMANCE
Large range of flow and pressure

SEMICONDUCTOR-GRADE
Special cleaning procedure for all wetted parts

OPTIMIZED IMPELLER
High efficiency, low NPSH requirement

PHYSICAL RESISTANCE
Diamond-coated mechanical seal

TEMPERATURE RESISTANCE
Wide operational temperature range

MAINTENANCE-FRIENDLY
Ease of assembly, disassembly, and repair

READY TO USE UPON DELIVERY

Ovivo Switzerland AG
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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