

UPW PUMPS

THE HIGH PURITY METAL-FREE PUMPS

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



Worldwide Experts in Water Treatment

UPW PUMPS

The UPW Pumps are non-metallic high purity pumps, designed and manufactured to the most stringent semiconductor standards.

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

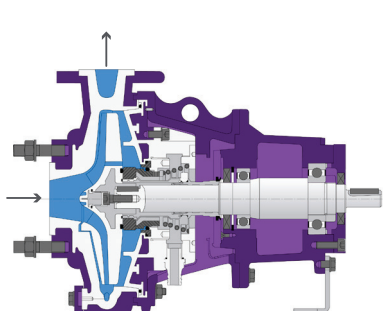
ZERO METALLIC PARTICLE RELEASED

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

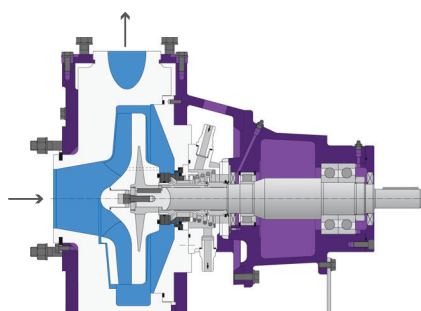
The use of the high quality PVDF guarantee to not release any metallic and/or oxidizable particles in the UPW.



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	
MOTOR		50Hz or 60Hz Fixed speed or driven by VFD*	
FLUID TEMPERATURE	°C (°F)	-20 ... +110 (-4 ... +230)	
PUMP CASING MATERIAL		PVDF or PVDF-HP	
IMPELLER MATERIAL		PVDF or PVDF-HP	
SHAFT SLEEVE MATERIAL		Stainless Steel (1.4571) with Fluoroplastic coating	
MECHANICAL SEAL	Seal rings	EKasic® C (SiC)	
	Spring	Fluoroplastic coated	

*VFD: Variable Frequency Drive

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Ovivo is a global leader in water solutions for the semiconductor industry and the only water company which had been a member of the former F450C consortium.

[ovivowater.com](https://www.ovivowater.com)

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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**

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