

## Technical Specs of aruf®



Informations	aruf (1)	aruf (2)	aruf (3)	aruf (4)	aruf (5)	aruf (6)	aruf (7)	aruf (8)	aruf (9)	aruf (10)
Product Capacity (m <sup>3</sup> /day)	200	300	360	400	540	700	900	1050	1250	1450
Efficiency	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%	90%-95%
Type of Raw Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
Design Inlet Turbidity (NTU)	5	5	5	5	5	5	5	5	5	5
Design Inlet TSS (mg/l)	10	10	10	10	10	10	10	10	10	10
Design Inlet COD (mg/l)	10	10	10	10	10	10	10	10	10	10
Design Inlet pH	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"	"7-7,5"
Type of Module	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Module Area (m <sup>2</sup> )	120	180	180	240	300	420	480	600	660	780
Piping	PVC	PVC	PVC	HDPE/PVC	HDPE/PVC	HDPE/PVC	HDPE/PVC	HDPE/PVC	HDPE/PVC	HDPE/PVC

- › With over 32 years of engineering & manufacturing expertise,
- › Proven design and quality-control,
- › Process guarantees and full customer support,
- › ARTAŞ is your enduring partner.



**Artaş Endüstriyel Tesisler Taah. ve Tic. A.Ş.**  
 Bostancıbaşı Sok. No:8A Beşiktaş 34353 İstanbul, Turkey  
 T +90 (212) 259 47 19 F +90 (212) 261 92 40  
 E info@artas.com.tr www.artas.com.tr



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## Ultrafiltration Units

**aruf®**  
by ARTAŞ

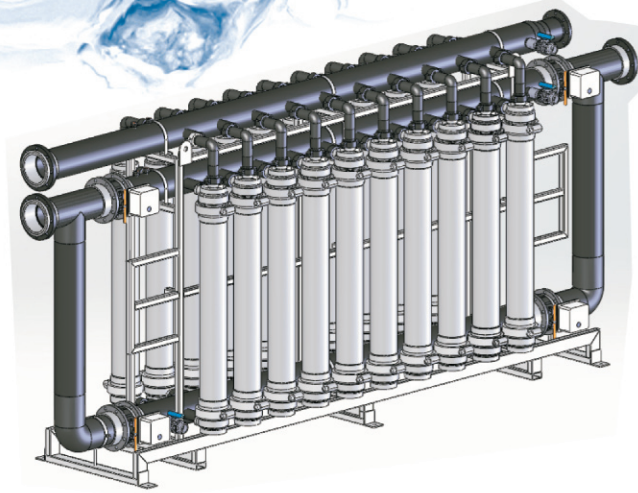


**aruf**

PASSION FOR THE ENVIRONMENT. ENERGY FOR THE FUTURE.

## Ultrafiltration Units

ARTAS Ultrafiltration Units (aruf) is the perfect solution for the removal of particulates and macromolecules from raw water to produce good quality water.



### Fields of application

- Municipalities
- Sea Water Pre-Treatment
- Industrial Water Reuse
- Waste Water Reuse
- Surface Water Pre-Treatment



### Components

- Pre-Filter
- UF Module
- Feed Pump
- Backwash Pump
- CEB Dosing Units
- Control Panel



### Optional equipments

- CIP unit
- Remote monitoring and operation of the system.



### Benefits of aruf®

- Constant product quality regardless of feed quality,
- Complete removal of suspended solids and turbidity, TSS
- < 0.1 mg/l,
- Turbidity < 0.1 NTU,
- Few chemicals required (only for cleaning),
- Compact plant size,
- Fully automatic,
- Capable of exceeding regulatory standards of water quality,
- Achieving bacteria, viruses, endotoxins and other pathogens removal,
- Disinfected effluent,
- Excellent pre-treatment for reverse osmosis plants.



### aruf® process description



Aruf is the right filtration solution for the removal of particulates and macromolecules from raw water to produce good quality water. Aruf is used to either replace existing secondary (coagulation, flocculation, sedimentation) and tertiary filtration (sand filtration and chlorination) systems employed in water treatment plants or as standalone systems. When treating water with high suspended solids, aruf is often integrated into the process, utilizing primary (screening, flotation, filtration) and some secondary treatments as pre-treatment stages. aruf guarantees water of consistently high quality, with no impact on taste or odor. Aruf is designed for fully automatic operation. A control mechanism is used to control the various operating modes of the ultrafiltration process; filtration, cleaning and backwashing.

