

# UAT™ Purepro Seawater Desalination Systems: Offshore and Marine

Severn Trent Services offers the UAT™ Purepro Seawater Desalination Membrane Filtration Systems suitable for commercial, offshore and marine specific applications. The UAT Purepro seawater desalination membrane filtration systems range in output capacities from 600 GPD to 50,000 GPD (95 L/hr to 7,885 L/hr) and effectively produce fresh treated water, free of particulate matter or contaminants from a seawater source. The UAT Purepro systems are available in standard and custom-made specifications to meet the requirements of a classified area.



Custom 10,000 GPD (1,579 L/hr)  
Explosion Proof System



The cost-effective, easy-to-operate and efficient UAT Purepro systems are built to withstand the harsh offshore and marine environments, always providing a source of fresh water – whenever and wherever it's needed. The UAT Purepro systems feature corrosion resistant components, flexible control features and a variety of other standard features.

The UAT Purepro systems purify seawater to provide fresh water for drinking and other sanitary needs, equipment wash down, boiler makeup feed water, engine cooling, and other requirements.



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## UAT Purepro Model: 600 – 50,000 GPD (95 - 7,885 L/hr)

### Standard Features

- 20 and 5 micron Cartridge Filtration
- High grade 316 SS valves and fitting
- Glycerin filled high and low pressure gauges
- Flexible system controls
- Safety and alarm options
- Integrated cleaning system

### Optional Features

- Explosion proof systems (Class 1 Div 2 Group D)
- Ultrafiltration or Multimedia Pretreatment for extended membrane life
- Fresh Water Flushing System
- UV Product Water System
- Chemical Dosing Systems for feed water and product water

### Operating Parameters

- Salinity up to 45,000 ppm TDS (NaCl)
- TDS rejection: average 99.5%
- Operating Temperature: 33° - 120°F (0.5 - 49°C)
- Operating Pressure: 800 psi – 1000 psi

Model #	GPD	GPH	L/hr	Total Pump HP	Approx Weight (lbs)	Dimensions (in)
PP-600	600	25	95	3	165	34"x24"x19"
PP-800	800	33	125	3	190	34"x24"x19"
PP-1200	1,200	50	189	4	220	60"x24"x19"
PP-1600	1,600	66	250	5	235	60"x24"x19"
PP-2000	2,000	83	314	7.5	300	60"x34"x20"
PP-3000	3,000	125	473	7.5	500	60"x40"x30"
PP-4000	4,000	166	628	8.5	600	60"x40"x30"
PP-5000	5,000	208	787	10	700	60"x40"x30"
PP-6000	6,000	250	946	10	900	60"x45"x40"
PP-8000	8,000	333	1,260	15	1,300	100"x48"x60"
PP-10000	10,000	417	1,579	17.5	1,500	144"x48"x60"
PP-12000	12,000	500	1,893	20	1,800	144"x48"x60"
PP-16000	16,000	667	2,524	27.5	2,250	184"x55"x60"
PP-20000	20,000	833	3,153	35	2,750	144"x60"x60"
PP-25000	25,000	1,042	3,944	40	3,000	144"x60"x60"
PP-35000	35,000	1,458	5,519	50	3,400	184"x60"x60"
PP-40000	40,000	1,667	6,310	55	3,650	224"x60"x60"
PP-45000	45,000	1,875	7,098	65	3,850	270"x60"x72"
PP-50000	50000	2083	7,885	70	4,000	224"x60"x72"

