

# BILGE WATER SEPARATORS



## ULTRA-SEP™ STANDARD

ULTRA-SEP™ is a two-stage system. The first stage efficiently removes free oil using our HELI-SEP® coalescing matrix separator, which is familiar to ship operators worldwide, with more than 20,000 in service around the world. The second stage SPIR-O-LATOR® technology provides a positive physical barrier break emulsions and provide continuous less than 5ppm discharge. In fact, oil cannot penetrate SPIR-O-LATOR®, so no oil will ever spill.\*



## BENEFITS

- Provides a positive physical barrier that minimizes the risk of accidental overboard discharge
- Consistently produces clean water with less than 5ppm oil content GUARANTEED
- Does not require chemicals, coalescing filters, clay or carbon filters replacements
- Does not use hazardous chemicals
- Does not produce biological waste by-product
- Requires minimal operator involvement, saving time and labor cost
- Easy to operate
- Easy and economical to install
  - Available on single skid for new build or modular Skids for Retrofits
  - All units are pre-wired, pre-piped and fully tested
- IMO MEPC.107(49) Type Approval by USCG, ABS and RMRS
- EC-MED Type Approval

## OPTIONS

- 5PPM-Calibrated Monitor
- In-Tank Heater
- Duplex Filtration Pre-treatment Skids
- Automatic Membrane Cleaning System

\*Using Membranes Correctly with proper set-up and maintenance.



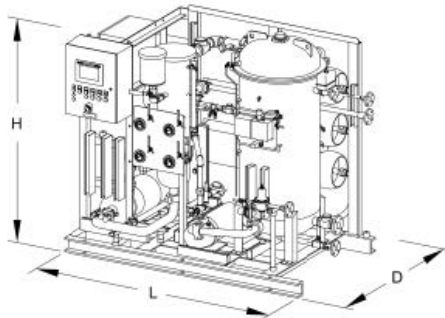
# BILGE WATER SEPARATORS



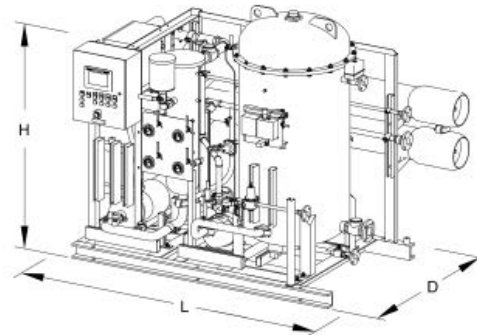
## ULTRA-SEP™ STANDARD (SINGLE SKID SYSTEMS, MODULAR AVAILABLE NOT SHOWN) SYSTEM SPECIFICATIONS

Model No	Capacity	Length L	Width W	Height H	Weight	Oily Water Inlet	Oil Outlet	Clean Water Inlet	Processed Water Outlet Discharge	Processed Water Outlet	Power
	m <sup>3</sup> /h (GPM)	mm (IN)	mm (IN)	mm (IN)	Kg (LBS)	mm (IN)	mm (IN)	mm (IN)	mm (IN)	mm (IN)	kW
US-2000	2.0 (8.8)	1830 -72	1320 -52	1670 -66	625 -1380	40 (1.5)	25 (1.0)	25 (1.0)	25 (1.0)	25 (1.0)	8.6
US-3000	3.0 (13.2)	1830- 72	1320 -52	1670 -66	690 -1525	40 (1.5)	25 (1.0)	25 (1.0)	25 (1.0)	25 (1.0)	8.6
US-5000	5.0 (22.0)	2640 (104)	1420 -56	1880 -74	863 -1902	50 (2.0)	25 (1.0)	25 (1.0)	25 (1.0)	25 (1.0)	8.8
US-7500	7.5 (33.0)	2640 (104)	1815 (71.5)	1995 (78.5)	1430- 3150	50 (2.0)	25 (1.0)	25 (1.0)	50 (2.0)	50 (2.0)	12.5
US-10000	10.0 (44.0)	2640 (104)	1815 (71.5)	1995 (78.5)	1535- 3380	50 (2.0)	25 (1.0)	25 (1.0)	50 (2.0)	50 (2.0)	12.5

ULTRA-SEP 2000 & 3000



ULTRA-SEP 5000



ULTRA-SEP 7500 & 10000

