ITT C'treat
Offshore UV Disinfection

C'treat ultraviolet treatment systems are specifically designed for the demands of the offshore energy sector. C'treat uses a patented technology for the disinfection process. Controls are housed in an enclosure designed for marine environments and hazardous areas.

All components are rigidly mounted to a single, rugged, welded-steel frame, that is sandblasted and finished to offshore painting specifications.

ITT

C'treat

Products & Services

- Low-pressure, high-intensity, monochromatic lamps, with superior disinfection performance to achieve reduced energy and operating costs
- 99.99% inactivation of chlorine resistant micro-organisms including Cryptosporidium, Giardia, E. Coli, and Hepatitis
- Type 316L stainless steel UV chambers, passivated and electropolished
- Specialized lamp connections suitable for use in hazardous environments
- Long lamp life resulting in lower operating costs
- State-of-the-art electronic "smart" ballast and micro-processor control system allows substantial safety and warning features through a digital display and LED indicator lights
- All UV systems are capable of immediate restart after shutdown without a required cool down period
- Three piece UV intensity sensor allows element removal without draining the chamber
- Display, Warning and Control Features:
  - Digital lamp life remaining indication
  - Operating status
  - Digital lamp intensity indication (mW/cm^2)
  - 4-20 mA signal for remote intensity monitoring
  - Alarm output contacts
  - Solenoid valve output
  - Thermal overheat protection switch
- Options
  - IEC EExd Flameproof Enclosure

Designed for superior disinfection performance by providing a minimum 30,000 μwsec/cm^2 UV dose at rated flow. The low-pressure, high-intensity (Lo-Hi) lamps are high power, monochromatic lamps offering up to three times the intensity of conventional Lo-Lo lamps at the optimum UV wavelength (254 nm) for disinfection. The performance is enhanced by a state-of-the-art electronic "smart" ballast and microprocessor control system.

Visit our website at www.ctreat.com

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