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 patented ITT technology for the disinfection process. The controls are housed in an enclosure designed for the marine environment and hazardous areas.

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

ITT

C'treat

FEATURES AND BENEFITS

- 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 microprocessor control system allows substantial safety and warning features through a digital display and LED indicator lights.
- All UV systems are capable of immediate re-start 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 30,000μwsec/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.