

Enviro-Guard – Methanol Fire Detection and Suppression



Description

Enviro-Guard is a Centurion Power & Equipment solution to the safe storage and transportation of highly flammable substances used in the offshore industry.

Its primary purpose is to protect methanol tote tanks used by well test service companies, however it can be used for any substances, which pose a similar hazard.

Our Enviro-Guard Systems offer automatic detection and initial suppression of methanol fire by using fire trace detection tubing charged with dry nitrogen. If methanol leaks and ignition occurs the detection system will activate and nozzles will coat and suppress any fire with Bio-degradable AR-AFFF foam.

Simultaneously an audible and visual alarm are activated to alert personnel in the vicinity of the product at any stage during offshore operation or transportation.

The Enviro-Guard System can be offered with Fire Foam Trolleys and AR-AFFF foam to fully extinguish a fire, while a Thermal Imaging Camera can be offered to assist the fire-fighting team.

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Technical Specifications

General Specifications

Fire Detection Type	Detection Tubing
Fire Detection Set Point	105°C
Extinguishing Agent	AR-AFFF Bio-degradable foam
Power Supply Required	110v/230v for alarm system only
Charging System	Dry Nitrogen
Emergency Activation	Manual Pneumatic Push Button

Certification, Lifting Specification, Weights and Dimensions

Overall Package	DNV 2.7-1
Maintenance	Centurion Power & Equipment preventative maintenance procedures
Lifting Specification	DNV 2.7-1 -20°C
Length	3,050 mm / 6,100 mm
Width	2,440 mm / 2,440 mm
Height	950 mm / 1,390 mm
Weight	Varies depending on option

Half Height and Drip Tray Enviro-Guard Systems

These Enviro-Guard Systems comprise:

- Auto fire detection and suppression system
- Nozzles fitted to standpipes erected on corners
- System transported and fitted offshore by trained personnel
- 10ft Quarter Height, 20ft Half Height, Polly Dolly System.



For more information on Fire Detection and Suppression, please contact your local Centurion Power & Equipment representative or email: CPEUK@centuriongroup.co.uk.

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