WIDESPRAY - Shipboard dispersant spray system

PROVEN OIL SPILL TECHNOLOGY
WIDESPRAY - Shipboard dispersant spray system

The WIDESPRAY dispersant spray system comprises of a diesel driven pump set, a pair of spray arms fitted with special nozzles and a set of hoses for the suction of seawater, dispersant and discharge to the spray arms.

The WIDESPRAY unit can be diesel or electrically driven.

The pump set is fitted with a flow meter and a recirculation valve that allows you to set the flow rate according to the desired application rate. For dilute spraying an eductor is fitted which will give a mixture of up to 30% dispersant chemical in the seawater. This percentage can be varied.

The standard 4-6 m spray arms can be fixed to the sides of a vessel, preferably near the bow. Each arm is supplied with 3-4 nozzles that provide an even spray pattern. The nozzles are provided with down pipes for vessels with a high freeboard.

Advantages of the WIDESPRAY

- Diesel driven spray set for the application of oil spill dispersant chemicals
- Spark arrestor and electric start standard
- Optimum droplet size
- Efficient use of the expensive chemical
- Down pipes included
- Neat and dilute application
- Choice of spray arms

TECHNICAL DATA

- Diesel engine: 3.1 kW / 4.15 hp, electric start and spark arrestor.
- Pump: Diaphragm
- Max output: 100 litres per minute / 26 US gallons per minute
- Eductor output: 30% maximum
- Pump set dimensions: 1.12 x 0.7 x 0.68 m / 44 x 28 x 27 in
- Weight: 116 kg / 256 lbs
- Spray arms: 4.5 m / 177 in or 6 m / 236 in long each made in aluminium. Each arm is fitted with down pipes and a number of nozzle positions. Down pipes 1.25 m / 49 in long are included with the spray arms to bring the nozzles closer to the water for vessels with a high freeboard. The arms can rotate horizontally to allow them to be swung over the side.
- Stanchion: Each arm is supplied with a stanchion that is fixed to the vessel. The stanchion allows vertical adjustment of the spray arm to allow for vessel roll and freeboard.
- Hose set: 2 x 8 m / 26 ft delivery hoses
- 1 x 8 m / 26 ft seawater suction hose
- 1 x 8 m / 26 ft dispersant suction hose

For more information on Oil Spill Response systems, please visit www.desmi.com