

About

Film-Ocean is an independent subsea contractor providing ROV inspection and intervention services. We specialise in providing innovative, cost effective subsea solutions to the global oil and gas industry and have an extensive track record in performing subsea integrity inspections on floating and fixed structures from the asset or support vessel with a fleet of high specification ROV's.

Cavitation Water Jetting System



Product Overview

Film-Ocean have utilised a number of different subsea cleaning methods on various projects. The following methods are detailed below:

- Cavitation water jetting: a working pressure of 2,200 PSI means it is less likely to cause damage to coatings and the performance is comparable to the more widely HP water jetting equipment
- Surface driven HP water jetting: 10,000 PSI pressure with a variety of nozzle options such as pencil, fan etc
- Subsea ROV water jetting skid: a 6 kW jetting system supplied at 660V, driven by a 3 phase motor, the pump from which can deliver 12.5 litres per minute at 110 bar, through an orbital nozzle, deployable via the ROV manipulator
- Rotational nylon brushes, this is used for components with coatings where the aim is to remove the marine growth
- Rotational wire brushes, used for weld cleaning or surface preparation for UT inspection where an SA2.5 finish is required
- Tension Wire Marine Growth Removal Tool

Cavitation Water Jetting Specification

Cavitation Water Jetting System

The unit will draw water from a tank so a feed to the tank from the installations water supply or seawater will be required.

Inlet Pressure: 0-3.5bar max

Flowrate: 76LPM

Hose details: Max length of 3/4" hose is 150m

Electricity: 3 phase 380/400V 50Hz @ 32A max

Footprint required: Length 122cm x Width 86cm x Height 91cm

Weight: 350 Kg

Cavitation Water Jetting System Container

External Dimensions: Length 2.98m x Width 2.42m x Height 2.6m

Max gross weight: 10,000kg

