

Deep C[®] Subsea HP Jetting



The Deep C[®] Subsea HP Jetting System, is deployed to the seafloor and powered from the surface via an electrical umbilical. Utilization is maximized as the pump is placed at the sea bottom, avoiding significant energy loss by avoiding jetting supply from topside. The set up requires minimum equipment on deck, hence saving significant amount of time for mobilization, and minimizing deck space requirements. Furthermore, higher safety for personnel on deck is achieved, as no equipment (or hoses) are pressurized on deck.

KEY FEATURES:

- Can be operated as stand alone, or integrated in Deep C SUV or Deep C Subsea Dredge
- Deep water capability
- Minimum installation time and deck space required
- Wide range of applications, such as concrete cutting, complex cleaning operations and high pressure testing



TECHNICAL CAPABILITIES:

Physical dimensions:

Length:	2 700 mm
Width:	2 100 mm
Height:	2 600 mm
Weight (air):	3 200 kgs
Weight (water):	2 500 kgs

Operational modes:

Stand alone unit deployed to seafloor
 Integrated in Deep C Subsea Utility Vehicle*
 Integrated in Deep C Subsea Dredge*
 *) No additional downlines required when integrated in Deep C SUV or Deep C Subsea Dredge

Pump specifications:

Operating pressure	970 bar
Pressure max	2 500 bar
Operating flow (970 bar)	168 l/min
Rod force	200 000 N
Power rating	300 kW

Power interface (vessel):

1 off 3x520 A, 60Hz, 440 V (PDU)
 1 off 3x125 A, 60 Hz, 440 V (winch)
 1 Off 16 A, 220 V (light)

Deployment:

Deployment to seabed by vessel crane
 DNV 2.7-3 certified, 4,5m Hs
 Guide funnels available for deployment through moon pool

Associated equipment/ services:

Range of jetting nozzles/lances available
 Subsea HP jetting hose reel
 Stabbing systems for subsea quick connection
 Coating removal tools
 Bespoke manipulating tools/ equipment
 Customized solutions

Other:

The subsea unit is prepared for interfacing various instrumentation (such as cameras, sonar etc) and carries additional power which provides the possibility to combine HP jetting with other working modes (such as dredging, subsea HPU etc)

TOPSIDE SPREAD:

PDU Container HP Jetting System Weight	3000 mm x 2400 mm x 2700 mm 5000 kg
Umbilical Winch (Lx W x H)* Weight	2400 mm x 3500 mm x 2500 mm 13000 kg
Umbilical Chute (Lx W x H) Weight	2200 mm x 900 mm x 1800 mm 1000 kg

*) Separate winch not required when Deep C HP Jetting system is integrated in Deep C SUV, Deep C Subsea Dredge.

Several Deep C® Systems can be operated from one single topside spread, allowing you to bring a tool box offshore with minimum mobilization

Deep C® Systems consists of standardized and interchangeable components

Deep C® Systems are very flexible for project specific configurations and will be optimized to meet your actual requirements

