

Ucap – Subsea Debris, Mud and Protection Cap System

Vertical Mounted ROV Removable Mud and Debris Ucap

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The Udeco **Ucap System** includes of a range of Subsea Mud, Debris and Protection Caps that are used for ingress prevention and protection of subsea equipment and assemblies. The system includes Surface, Diver and ROV Removable, Horizontal or Vertical mounted caps. Ucaps are delivered for a range of sizes and applications, adjusted to client specific requirements prior to manufacturing.



Vertical Ucap installed onto dummy inboard connector and onto actual inboard connector cap.

Construction

- Made from high strength tear resistant laminated polypropylene fabric. The fabric permits water and air to penetrate. There is no penetration of mud, sand or silt.
- 3mm thick sticky and elastic para-rubber seals all potential mud, sand and silt ingress areas.
- Includes dual high strength pull-off straps.
- Includes air ventilation flapper including a 5 mm thick lead plate inlay for closing, as well as weight purposes.
- Industrial type Velcro closing and securing arrangement.
- Typical weight in air 6 kg. In water approx. 1.5 kg.
- Unlimited surface / subsea lifetime provided that it is not exposed to UV radiation (i.e. sunlight) over a long period (1 year +).

Features & Particulars

The ROV Removable Vertical Mud and Debris Cap main features and particulars are:

- Installed onto vertical mounted subsea equipment / assemblies.
- Prevent mud, sand and silt accumulation in the subsea equipment intervention tooling interfaces as well as in mechanical features, by sealing it completely from any ingress, and thereby saving costly vessel / rig time relating to any possible cleaning operations.
- As it is installed on the equipment prior to offshore installation, it eliminates any requirements for ROV installation of temporary debris cap after installation.
- It is designed to provide sealing around the entire subsea equipment / assembly as applicable (i.e. top, sides and bottom).
- It includes a 'Locking' feature that prevents it from accidentally come loose during deployment, installation or later. This arrangement has been tested and verified to withstand a vertical load of minimum 300 kg.
- It includes a venting feature that allows air to escape when it passes trough the splash zone.
- One single pull by the ROV manipulator releases and remove the Ucap.
- Tested, verified and used on several subsea installed assemblies.
- All Ucaps are tested and verified on a dummy assembly prior to delivery (i.e. function and fit check).
- Installation and retrieval procedure including storyboard drawing is available.

Contacts

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