



UCS 4in Dredge System

Compact dredge system

The UCS compact 4in dredge system comes with an incorporated back flush control and can be mounted onto an ROV or utilised by diver. The hydraulic driven dredge allows excavation of seabed sand, gravel, clay and rocks up to 76mm (3in) in diameter. The dredge has been designed to run effectively on low hydraulic flows and weighs only 47kgs in water.

The frame can be easily installed on to the ROV or fitted out of the holding frame and comes with a comprehensive spares package.

When the dredge is to be utilised by a diver, power unit and umbilical reeler will be required.

Applications

- Work-class ROV construction
- Work-class ROV drill support
- Relocation of mud, silt and rocks
- Relocation of drill cutting
- Marine archaeology
- Salvage operations

Features

- Excavates seabed sand, gravel, clay and rocks up to 76mm (3in) in diameter
- Adaptable configuration for mounting on to ROV
- Flexible mounting options
- Various exhaust / suction options available
- Low hydraulic flow requirements
- Incorporated back flush system
- Quick release camlock fittings on suction hose
- Detailed bulkhead with hydraulic quick connect and hose extensions
- Compact design
- Superior performance

Bespoke options

UCS have specialist in-house design and fabrication capabilities and are able to modify any tool to suit client / project requirements.



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Specifications



Dredging capacity	70-100 cubes p/h (100% water) rate varies with waste content
Hydraulic requirements	210bar @ 28-35lpm
Suction rate	1170lpm / 309gpm
Max rock size	76.2mm / 3in
Standard suction hose length	ID 101mm / 4in @ 5m / 16ft 4in
Exhaust pipe	ID 152.4mm / 6in 90° elbow or straight pipe
Dredge skid mass in air	76.85kg / 169lbs
Dredge skid mass in water	47kg / 103lbs
Dredge skid dimensions	1147mm / 45in x 428mm / 16.8in x 607mm / 23.9in

