

Merlin Water Jet System

Dredging & Jetting Tools.



DESCRIPTION

The excavation pump will not block or jam because there are no moving parts in the suction flow path. The flow reversal valve can be operated to back flush the suction nozzle should there be an obstruction. Power is derived from a stream of high velocity fluid creating a low pressure region behind the suction nozzle. The pump may be rapidly switched from suction to jetting, or be configured to an intermediate position allowing jetting and excavation to be carried out simultaneously

FEATURES

Used for Jetting and Excavation

- 1" Jetting Hose
- 4" Excavation Hose
- 6" Exhaust for Excavation

Supplied with fitting kit to suit XLX ROV

Supplied in offshore suitable transit case.



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SPECIFICATIONS

Hydraulic Input Pressure 170 -250 Bar (2,450 -3,600PSI)

Flow Input 65 to 110lpm (16 USgpm)

Jetting Up to 600lpm @8 Bar (160US gpm @ 115psi)

Suction Flow 2000-4000 lpm (500-1000 US gpm)
Solids Removal Rate 10-40 tonnes/hour (350-1500 lb/min)

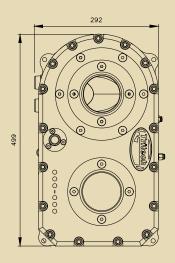
Weight in air 40kg (90lb) Weight in water 17kg (38lb) WHAT'S IN THE BOX
Merlin ROV Pump
1" Jetting Nozzle
4" Eductor Nozzle
Clean Water Inlet Filter
Full hose and fitting kit
High Flow Pilot Operated valve

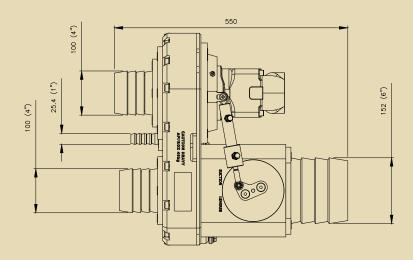
Holsters for nozzles

Operations & Maintenance Manual.

PART NUMBERS & OPTIONS

A063-044-101 Merlin Water Jet System A063-044-101/spares Basic Spares Kit.





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