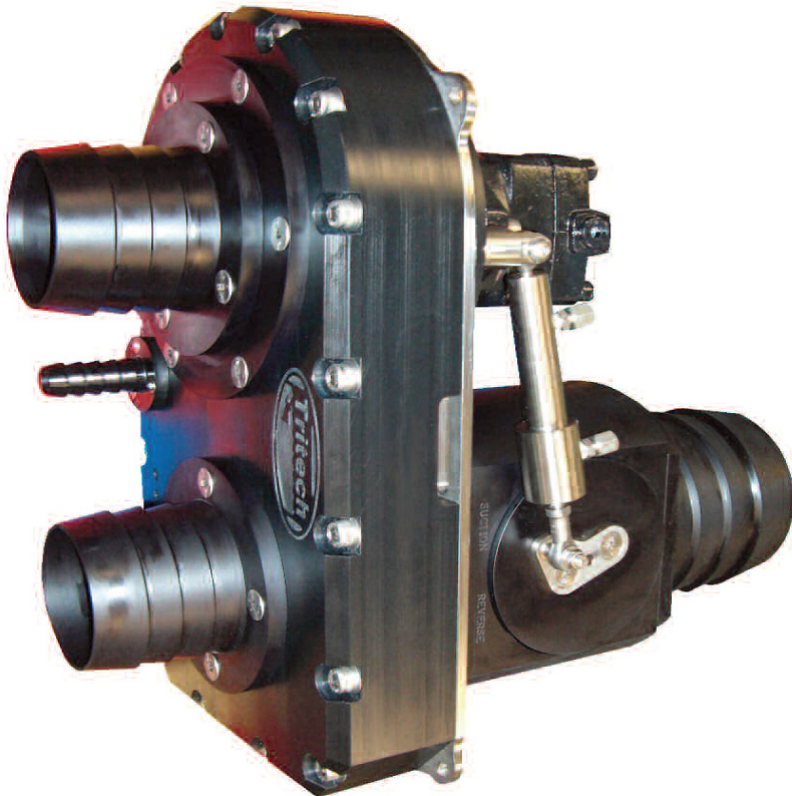


Merlin Water Jet System

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.

Merlin Water Jet System

Dredging & Jetting Tools.

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.

