

Tritech Super ZipJet Excavation Jetting System



Reliable excavation and jetting for work class ROVs. The Super ZipJet excavation and jetting system is designed to pump mud, sand, gravel, drill cuttings, shale etc. without risk of blockage. A heavy-duty cylinder reverses the flow at the nozzle to eject any object, which may be causing an obstruction. A second cylinder operates a diverter valve to provide a powerful direct jet to break up heavy and cohesive seabed mud.

Key Features

- Improved performance
- Improved ROV mounting system
- Modular pump core, readily removable for easier in-field maintenance
- Suction and jetting aligned for ease of hose management
- Multiple mounting and handling configurations
- The integrated educator-based excavation system is designed to pump mud, sand, gravel, drill cuttings, shale etc. without damage

Hydraulic Input

Pressure	150-220 bar
Flow	40 - 60 litre / min

Output

Suction flow (typical)	500-1000 litres/min
Solid removal rate	5-10 tones/hour
Jetting performance (typical)	1000 litres/min @ 2 bar

Nozzle & Hose Dimensions

Jetting hose	25 mm ID
Inlet	100 mm
Discharge hose diameter	100 mm
Suction hose diameter	75 mm ID

Weight & Material

Weight in air/water	25 / 11 kg
Materials	Nylacast, UMMWPE