

# Super ZipJet

## Excavation and Jetting



The Super ZipJet replaces the successful Tritech ZipJet Ultra range of products. The Super ZipJet incorporates many technical advances over the previous generation of ROV suction and jetting systems. These advances are a direct result of customer feedback

Considerable emphasis has been placed on increasing efficiency in both the suction and jetting modes. The Super ZipJet incorporates several design features, which improve its reliability and substantially reduce its maintenance costs.

The Super ZipJet will not block or jam because there are no moving parts on the dredging side of the system. 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 mode

### Specifications

<b>Product</b>	Super ZipJet Excavation and Jetting
<b>Country of origin</b>	UK
<b>Manufacturer</b>	Tritech International Limited

## Features & benefits

- Robust and compact design
- Will not block or jam
- Easy in-field maintenance
- ROV mounting system
- Modular pump core
- Multiple mounting configurations

## Hydraulic motor input

<b>Pressure</b>	150 to 220 Bar (2200 to 3200 psi)
<b>Flow</b>	40 to 60 litres per minute (11 to 16 USgpm)

## Actuator

<b>Minimum pressure</b>	110 Bar (1595 psi)
<b>Maximum pressure</b>	240 Bar (3480 psi)

## Hydraulic Fittings

<b>Motor A &amp; B</b>	No. 12 JIC male
<b>Motor case drain</b>	No. 6 JIC male
<b>Actuator connection</b>	No. 4 JIC male

## Check valve

<b>Normal</b>	Tritech Volvo Protector Assembly
<b>Alternative</b>	Integrated Hydraulics FPR-1/22-0.5 (cracking pressure 0.5 bar)

## Output

<b>Jetting performance</b>	1000 litres per minute @ 2 Bar (270 USgpm)
<b>Suction flow</b>	500 - 1000 litres per minute (135 to 270 USgpm)
<b>Solids removal rate</b>	5 - 10 tonnes per hour (184 - 368 lb per minute)

## Applications

- Work-class ROVs
- Removal of drill cuttings
- Marine archaeology
- Salvage operations
- Break up of seabed muds and sands

## Hose Dimensions (internal diameter)

<b>Jetting</b>	1000 litres per minute @ 2 Bar (270 USgpm)
<b>Suction</b>	500 - 1000 litres per minute (135 to 270 USgpm)
<b>Discharge</b>	5 - 10 tonnes per hour (184 - 368 lb per minute)
<b>Clean Water Inlet</b>	100mm ID (4in)

## Weight and Materials

<b>Weight in air</b>	25kg (55lb)
<b>Weight in water</b>	11kg (24lb)
<b>Materials</b>	Nylacast, UHMWPE

