

SUPER ZIP-JET EXCAVATION & JETTING UNIT

ROBUST & COMPACT DESIGN
WILL NOT BLOCK OR JAM
EASY IN-FIELD MAINTENANCE



Description

The Envirent Super Zip jetting & Suction pump is a field proven and known product.

The Super Zip Jetting & Suction pump 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.

Typical Operations

- Work Class ROV's
- Break up of seabed muds and sands
- Removal of drill cuttings

Features

- ROV Mounting Systems
- Modular Pump Core
- Multiple mounting configurations

SPECIFICATIONS

Super ZipJet

Hydraulic Motor Input

Pressure 150 to 220 Bar (2200 to 3200 psi)
 Flow 40 to 60 l/min (11 to 16 USgpm)

Actuator

Minimum Pressure 110 Bar (1595 psi)
 Maximum Pressure 240 Bar (3480 psi)

Hydraulic Connection

Motor Port A & B No. 12 JIC Male
 Motor Case Drain No. 06 JIC Male
 Actuator Connection No. 04 JIC Male

Check Valve

Normal Tritech Volvo Protector Assembly
 Alternative Integrated Hydraulics FPR-1/22-0.5 (Cracking pressure 0.5 bar)

Pump Output

Jetting Performance 1000 l/min @ 2 Bar (270 USgpm)
 Suction Flow 500-1000 l/min (135 to 270 USgpm)
 Solids Removal Rate 5-10 Tonnes per hour (184-368 lb per minute)

Hose Dimensions (Internal diameter)

Jetting 24.5mm ID (1Inch)
 Discharge 100mm ID (4Inch)
 Suction 75mm ID (3Inch)
 Clean Water Inlet 100mm ID (4Inch)

Weight and Materials

Weight in Air 25Kg (55lb)
 Weight in Water 11Kg (24lb)
 Materials Nylacaste, UHMVPE

