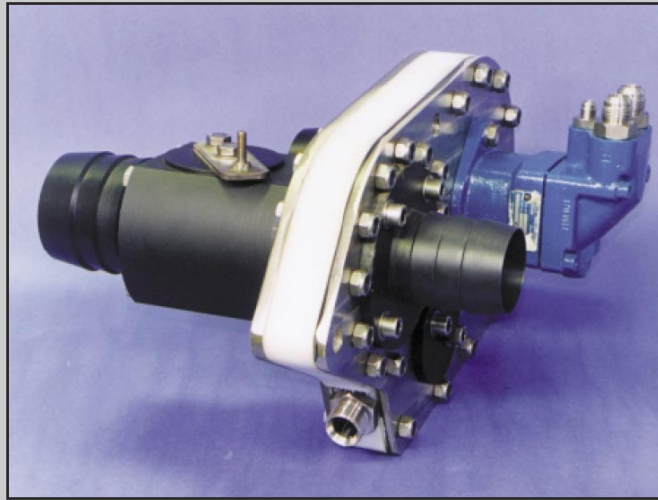


# TRITECH ZIPJET EXCAVATION & JETTING SYSTEM



## GENERAL DESCRIPTION

- A powerful direct jetting system incorporated within the ZipJet allows the operator to break up heavy and cohesive sea-bed muds and sand prior to excavation. The Zipjet is therefore capable of operating efficiently in much tougher environments than other systems.
- The jetting function is ideal for the rapid removal of many types of marine growth on structures.
- The ZipJet is so compact that it may be mounted on most work class Remotely Operated Vehicles (ROV) without the need for a dedicated dredging skid. The unit may be mounted in any convenient orientation without affecting its performance.
- ZipJet is also ideally suited for diver use and control with hydraulic power supplied from the surface for shallow water applications and electrical power for deep water applications.
- Another feature of the ZipJet is that there are no moving parts on the dredging side of the system as power is derived from a stream of high velocity fluid creating a low pressure region behind the suction nozzle.
- The integrated educator based system is designed to pump mud, sand, gravel, drill cuttings, shale etc. without damage to the system and without risk of blockage. A heavy duty cylinder valve reverses the flow at the nozzle to eject any object which may be causing an obstruction.



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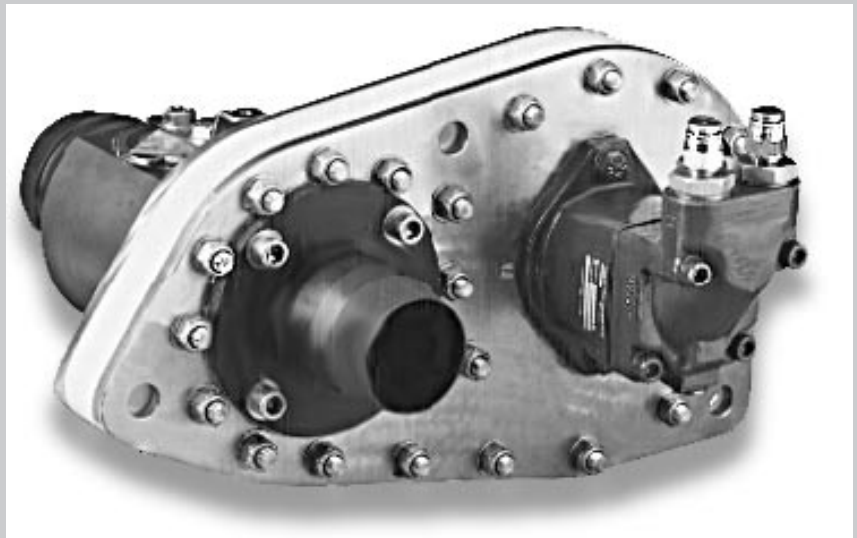
Email: [rental@oceanscan.co.uk](mailto:rental@oceanscan.co.uk), Website: [www.oceanscan.co.uk](http://www.oceanscan.co.uk)

Accredited to BS EN ISO 9001:2000

# TRITECH ZIPJET EXCAVATION & JETTING SYSTEM

## TECHNICAL SPECIFICATIONS

	<b>Model 89</b>	<b>Units</b>
<b>Hydraulic Input Pressure:</b>	2200 to 4000(152 to 276)	psi (Bar)
<b>Flow:</b>	10 to 15 (45 to 70)	gpm (litres/min)
<b>Jetting Performance</b>		
<b>Pressure:</b>	Up to 131 (9)	psi (Bar)
<b>Flow:</b>	Up to 45	m <sup>3</sup> per hour
<b>SUCTION PERFORMANCE</b>		
<b>Suction Capacity:</b>	Up to 110	m <sup>3</sup> per hour
<b>Solids removal rate:</b>	Up to 11	Tonnes per hour @ 10%
	Solids to water by weight	
<b>Motor type:</b>	F11-10 Volvo	
<b>NOZZLE AND HOSE DIMENSIONS</b>		
<b>Jetting hose:</b>	1" BSP Hose barb	inches
<b>Jet nozzle diameters:</b>	14 to 19	mm
<b>Discharge hose diameter:</b>	4 (100)	inches (mm)
<b>Suction hose diameter:</b>	3 (75)	inches (mm)
<b>WEIGHTS AND MATERIALS</b>		
<b>Weight in air:</b>	39 kg	
<b>Weight in water:</b>	20 kg	
<b>Materials:</b>	316 Stainless Steel, Nylacast GSM, UHMWPE	
<b>HYDRAULIC FITTINGS</b>		
<b>Motor Supply:</b>	12 JIC Male	
<b>Motor Drain:</b>	12 JIC Male	
<b>Case Drain:</b>	6 JIC Male	
<b>Jet/Suck Activator:</b>	4 JIC Male	



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