

## RQ-126 – Trittech Merlin



### Key Features:

- Modular pump core
- Reverse flush for suction nozzle
- Double shaft seal
- Option of close-fitting inlet strainer

### WHATS INCLUDED

Merlin Pump.  
All hoses and Nozzles.  
Operations Manual.  
Certificate Pack.

### OPTIONS

Spares Kit.  
Quick Connects.  
Fluid Reservoirs.

### Description

The new Trittech 35 - 60 h.p. Merlin excavation pump is the must have successor to the Excalibur. Merlin incorporates many of the improved design features introduced on the small Super ZipJet pump which has proven to be so successful.

The pump is smaller, lighter and more robust with greater performance in both excavation and jetting functions. It features the same double seal arrangement as the Super ZipJet and a modular design provides great ease of maintenance.

There are significant efficiency increases in both the impeller and educator making this the tool that no WROV should be without.

Like all Trittech excavation pumps the Merlin 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.

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Hydraulic Motor Input	
Pressure	170 to 250 Bar (2450 to 3600 psi)
Flow	65 to 110 litres per minute (17 to 29 USgpm)
Actuator	
Minimum pressure	120 Bar (1740 psi)
Maximum pressure	240 Bar (3480 psi)
Hydraulic Fittings	
Motor A & B	No. 12 JIC male
Motor case drain	No. 6 JIC male
Actuator connection	No. 4 JIC male
Output	
Jetting performance	Up to 600 litres per minute @ 8 Bar (160 USgpm @ 115 psi)
Suction flow	2000 - 4000 litres per minute (500 - 1000 USgpm)
Solids removal rate	10 - 40 tonnes per hour (350 - 1500 lb per minute)
Nozzle and Hose Dimensions	
Jetting hose	1" BSP Hose barb
Jet nozzle diameter	20mm (0.8")
Discharge hose diameter	150mm (6")
Suction hose diameter	100mm ID (4")
Weight and Materials	
Weight in air	40kg (90lb)
Weight in water	17kg (38lb)
Materials	Stainless steel, Nylacast, UHMWPE