

# AQUA ENERGY

## Trolley Mounted High Pressure Water Jetting Units Option of Fully Acoustic Sound Attenuated Canopies Units shown are designed for Oil Refinery Applications

### PERFORMANCE OPTIONS

1,400 bar @ 170.48 l/min  
1,319 bar @ 178.30 l/min  
1,009 bar @ 232.00 l/min  
798 bar @ 294.72 l/min  
414 bar @ 568.26 l/min  
276 bar @ 852.39 l/min

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**Standard Features**

**Pump-** Horizontal triplex positive displacement pump, rated up to 500 Horsepower service. Plunger pump consists of stainless steel fluid cylinders, solid ceramic plungers, stainless steel valves and seats with chevron packing. The plungers and packing are water lubricated. The power end of the pump is positive splash oil lubricated with sight glass for oil level check. Crankshaft is made of high strength alloy steel. Main bearing is roller.

**Suction Plumbing-** Water filter 50 micron capacity protects pump.  
Water storage tank with ball valve and float and low water level engine shut down.

**Discharge Plumbing-** Discharge manifold with interchangeable high pressure discharge connections for pressure gauge, relief valve, rupture disc and hose couplings. Stainless steel glycerine filled pressure gauge, stainless steel snubber assembly, Rupture disc or relief valve.

**Unit Mounting-** Mounted on a steerable trolley with parking brake on rear wheels.

**Power Transmission-** Direct Drive via a reduction gearbox or belt driven.

**Finish System-** Units are hot dipped & galvanised.  
Powder coated in Aqua Energy blue or to the customers colours.

**Engine:** Doosan, Volvo or Cummins, Chalwyn Valve, Spark Arrestor or to Zone-2 Specifications

**Optional Accessories:**

**Gun-** Hand or foot dump control type with safety shroud, whip hose and coupling.

**Hoses-** High Pressure for use at pressures up to 4000 bar.

**Lances-** Rigid and flexible variety SAE, JIC, pipe and welded end connections.

**Nozzles-** Wide assortment for surface and tube cleaning.

**Rotary-** Surface Preparation Jet for coatings removal and descaling

**Regulator-** Variable flow and pressure adjustment. Controlled by hand or mechanical actuation.

**Auto-Throttle-** Variable engine speed adjustments with automatic return to idle when Aqua-Gun is depressurised.

**Vacuum-** Uses the Jet-Blaster pump to create a vacuum for sludge and slurry transport.

**Line Mole-** Pipe and sewer cleaning type with replaceable fan and round jet inserts.

**Abrasive Injector-** Aqua-Saw abrasive injector mixes abrasive into Aqua-Gun discharge stream.

**Deck Cleaner-** Rotary jet driven multi-nozzle floor and grate cleaning system with hand operated controls.

**Couplings-** Quick disconnect Acme thread rated at up to 20,000-psi working pressure. Optional snap type for use to 10,000 psi.

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