

# AQUA ENERGY

**Containerised & Skid Mounted**  
**From 50 horsepower to 500 horsepower**  
**Ultra High Pressure Water Jetting Units**  
**for Oil-Refineries & Offshore Oil Platforms**  
**Conforming to Lloyds Open Deck Zone 11 Areas, OCMA MEC 1;**  
**BS5908 Zones 1 & 11; BP 200; Shell ISO 27;**  
**EEMUA No 107 (1992), ATEX 1834-1-2000 Specifications**

**Model: DC-400**



## **PERFORMANCE OPTIONS**

3,200 bar @ 42.00 l/min  
3,000 bar @ 52.00 l/min  
2,500 bar @ 63.00 l/min  
2,150 bar @ 76.00 l/min  
1,800 bar @ 90.00 l/min  
1,550 bar @ 106.00 l/min

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**Aqua Energy International Limited, 28 St James Business Centre, Linwood Road  
Paisley PA3 3AT, Scotland, UK**

**Tel: (+44) (0) 141 849 6888 Fax: (+44) (0) 141 848 5777**  
**E-mail: [sales@aquenergy.com](mailto:sales@aquenergy.com) [www.aquenergy.com](http://www.aquenergy.com)**

## Standard Features

**Pump- DC-400** horizontal triplex positive displacement pump, rated up to 400 HP 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 DC-400 series 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 filters from 1 micron to 50 micron capacity to protect pump. 200 to 1000 litre water storage tank with ball cock 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 steel channel frame with pump base and anti-vibration mountings. Steel plate top deck and offshore crash frame.

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

**Engine:** Doosan, Volvo, Cummins or similar water cooled.

**Finish System-** All units are primer coated.

Painted in Aqua Energy RAL 5010 blue or to the customers colours.

## Optional Accessories:

**Dump-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-** Rated at up to 4150 bar working pressure. Optional snap type for use to 10,000 psi.

**For further information contact:** Aqua Energy International Limited  
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[www.aquenergy.com](http://www.aquenergy.com)