

# AQUA ENERGY

## Skid Mounted, Electric Driven High & Ultra High Pressure Water Jetting Units

Choice of Sound Attenuated Canopies

Offshore Models Conform 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 : ES-100-CF**



### PERFORMANCE OPTIONS

2,758 bar @ 15.00 l/min  
2,500 bar @ 17.00 l/min  
2,000 bar @ 21.40 l/min  
1,500 bar @ 26.50 l/min  
1,200 bar @ 34.00 l/min  
900 bar @ 42.00 l/min  
750 bar @ 50.00 l/min  
600 bar @ 60.00 l/min

**Model: ES-180-C**



### PERFORMANCE OPTIONS

2,758 bar @ 24.00 l/min  
1,500 bar @ 44.00 l/min  
1,300 bar @ 52.00 l/min  
1,100 bar @ 63.00 l/min  
900 bar @ 72.00 l/min  
800 bar @ 84.00 l/min  
700 bar @ 96.00 l/min

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# ES-100-CF & ES-180-C

## Standard Features

**Pump-** horizontal triplex positive displacement pumps, rated from 100 HP up to 180 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 **AL & DL** 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 filter 1 micron capacity protects pump.  
Water storage tank with ball cock and float and low water level 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.

**Motor-** ABB or Similar, options of zone-2 and zone -1 for explosive environments.

**Power Transmission-** Direct Drive via a reduction gearbox & Flexible drive coupling.

**Finish System-** All unpainted surfaces are primer coated.  
Aqua Energy RAL 5010 Blue, or to customers colours.

## Optional Accessories:

### Rotary or Dump-Gun

3800 bar Air Operated Rotary Guns.  
Hand or foot dump control type  
With 2800 bar working pressure.

**Hoses-** High Pressure for use at pressures up to 4,100 bar.

**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 4,100 bar working pressure.

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

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