

# AQUA ENERGY

**Skid Mounted, Crash Framed  
High & Ultra High Pressure Water Jetting Units  
for Shipyards, Oil-Refineries & Offshore Oil Platforms**  
Offshore models conform to the following Regulations  
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: DS-180-CF**



**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

**Model: DS-220-CF**

**PERFORMANCE  
OPTIONS**

2,758 bar @ 26.60 l/min  
2,000 bar @ 43.00 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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# DS-180 / 220-CF

## Standard Features

**Pump- DS-180/220** horizontal triplex positive displacement pump, rated up to 220 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 DS-180/220 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 to 20 micron capacity protects pump.  
50 to 250 gallon 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.

**Engines-** Doosan, Perkins, Volvo or similar can be supplied to conform to offshore Zone-2 spec.

**Finish System-** All units are hot dipped and galvanised.  
Left galvanised or powder coated in Aqua Energy 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 4000 bar working pressure. Optional snap type for use to 10,000 psi.

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