

AQUA ENERGY

**Skid Mounted
Ultra High Pressure Water Jetting Unit**
Choice of Offshore Crash-Frames and Sound Attenuated Canopies
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-400



PERFORMANCE OPTIONS

3,200 bar @ 42.00 l/min
3,000 bar @ 52.00 l/min
2,600 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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Standard Features

Pump- DS-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 DS-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 filter 1 micron capacity protects pump.
Water storage tank with low water level switch automatically shuts down the engine.

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.

Engines- Doosan, Volvo or similar, can be supplied to conform to offshore Rig Safe or Zone-2 Spec.

Power Transmission- Direct Drive via a reduction gearbox.

Finish System- Units are hot dipped and galvanised.
Left galvanised or powder coated in Aqua Energy blue or to the customers colours.

Optional Accessories:

Guns Hand or foot dump control type with safety shroud, whip hose and coupling. Air rotary type up to 3500 bar WP.

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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