

# AQUA ENERGY

## Trailer Mounted, High & Ultra High Pressure Water Jetting Units With Canopies & Doors

All models conform to EEC Road Regulations  
& are fully protected for oil refinery & Gas Plant applications

**Model: DT-180-AC (Oil Refinery Specification)**



### 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: DT-220-AC**

### PERFORMANCE

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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# DT-180-AC / DT-220-AC

## Standard Features

**Pump-** Horizontal triplex positive displacement pump, DT-180 & DT-220 rated up to 225 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 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-** Y-Strainer, 80 mesh filter and large 1 micron Water filter protects pump. 50 gallon water storage tank with ball cock and float valve.

**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.

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

**Finish System-** Units are zinc primed and have one coat of industrial blue (or choice of colour) enamel. Coating for corrosive atmospheres are available.

**Engine:** Doosan, Perkins, Volvo or Cummins engines.

## 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 Jets 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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