

AQUA ENERGY

Trolley Mounted High & Ultra High Pressure Water Jetting Units Option of Fully Acoustic Sound Attenuated Canopies

Engines designed for Oil Refinery & Gas Plant Applications
All equipment conforms to CE rules and regulations

MODEL: DTI-100



PERFORMANCE OPTIONS

2,758 bar @ 14.70 l/min
1,500 bar @ 27.00 l/min
1,200 bar @ 34.00 l/min
900 bar @ 42.00 l/min
800 bar @ 50.00 l/min
600 bar @ 63.00 l/min

MODEL: DT1-180

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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Standard Features

Pump- DTI-100-DTI-180 horizontal triplex positive displacement pump, rated up to 205 Horsepower 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- Water filter 1 micron capacity protects pump.
300 litre water storage tank with ball valve and float with automatic 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 steel chassis for pump and engine.

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

Finish System- Units are hot dipped and galvanised and powder coated for corrosive atmospheres.

Engine: Choice of Doosan, Perkins Volvo or similar.
Chalwyn Valves, Spark Arrestors or to Zone-2 Specifications are available.

Optional Accessories:

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- 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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