

AQUA ENERGY

**Electric Driven, Containerised
High & Ultra High Pressure Water Jetting Units**
Containers are fitted with lights, infra red heaters or air conditioning
All models conform to CE Regulations

Model: ES-220



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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Standard Features

Pump- EC 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 EC 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 of 1 to 5 micron capacity protects pump.

Water storage tanks with ball cock and float, low water level electric motor shut down incorporated.

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.

Motor- ABB or similar with Star Delta Starter (Option of Zone-1 and Zone-2 motors).

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 1500 rpm or 1800 rpm reduction gearbox, or belt driven.

Paint System- Units are hot dipped and galvanised, left galvanised, or powder coated in Aqua Energy Blue or in the customers colours.

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 50,000 psi.

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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