



ULTRA-CLEAN 40[®]

Model No. 4030E

High-Pressure Liquid Jetting System



In the *ULTRA-CLEAN 40*[®] water jet system, NLB has combined the power of 40,000 psi (2,760 Bar) waterblasting with the dependability of a plunger pump design that has been proven in countless applications over the past 25 years.

The *ULTRA-CLEAN 40* is ideal for a wide variety of water jet surface preparation, cutting and cleaning applications. It features a low flow of 1.2 gpm (5.0 lpm) as well as ultra-high pressure in a compact package that is easy to operate. Since the unit's power comes from a slow driven 200 rpm crankshaft triplex plunger pump instead of an intensifier or high-speed plunger pump, wear and maintenance are minimized. You save money on parts as well as on downtime.

Diesel-powered and electric-powered models are available, each mounted on a heavy duty steel skid. All units are factory tested before shipment.

The *ULTRA-CLEAN 40* system can tackle many industry applications with ultra-high pressure. Surface preparation, cutting and cleaning applications which require ultra-high pressure and low flow such as those in paint shops, industrial plants and anywhere a coating needs to be removed are jobs you can count on the *ULTRA-CLEAN 40* to handle.

Specific applications include weld inspection, paint and coating removal, concrete cleaning, shipboard and marine coating removal, tube cleaning, abrasive cutting and water jet cutting of various materials. See for yourself how cost-effective 40,000 psi (2,760 Bar) water jetting can be. Call NLB today for a free demo of the *ULTRA-CLEAN 40*.



The Leader in High-Pressure Water Jet Technology

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Model 4030E delivers 1.2 gpm (5.0 lpm) at 40,000 psi (2,760 bar)

Electric Motor:

Unit includes a 30 hp (22 kw) TEFC electric motor and a motor starter, the unit is completely pre-wired and requires a minimum of 50 Amps, 60 Hz at 460 volts. Optional motor features include an explosion-proof design.

Skid or Dolly Mounting:

- Option of pneumatic or cast wheels for dolly mounting
- Size: 3' 4" Wide (1.03 m) x 6' Long (1.83 m) x 3' 11" High (0.95 m) Skid; Dolly mount is 5' 2" High (1.58 m) approx.
- Weight: 3,020 lbs. (1,370 kg) approx.

Pumping Assembly Complete:

- Slow running NLB Model 4030 reciprocating pump
- Belt drive with guard
- 15 Gallon (57 l) polypropylene water tank
- Water inlet filter-6 micron absolute
- Three plunger positive lubrication
- Accessory manifold and discharge pulsation dampener
- BV40-010 Pressure adjusting by-pass valve
- Oil filled pressure gauge and rupture disc assembly
- PLC operator interface key pad with 5 function keys; 2 line, 20 character display, 160 message memory; operates pump start/stop, shows pressure and system status.

Optional Accessories:

- NLB NCG8400 rotating cleaning lance and Bi-Mode™ valve
- SPIN JET® floor and grate cleaner & foot control valves
- Ultra-high pressure hose, fittings and accessories

All Units Are Factory Tested Before Shipment



(Above) Dry cutting 1/2" (1.27 cm) rubber matting material.
(Below) Paint overspray removal from an automotive paint hook.



Paint and Coating Removal

Automated painting and coating operations in automotive and industrial plants require regular cleaning to preserve the ability to provide a perfect surface finish. Overspray paint on chain conveyors and carriers can chip or flake off and damage the finished product.

Nothing cleans these components as efficiently as ultra-high pressure water from the *ULTRA-CLEAN 40* system. It removes multiple layers of baked-on paint and clear coat in minutes.

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