

# HydroPrep™



NLB's versatile HydroPrep™ system is the most efficient way to remove coatings (paint, epoxies, etc.), scale, and other tough adherents. Our **automated** and **semi-automated** accessories, connected to a rugged NLB high-pressure water jet pump unit, leave metal and concrete undamaged and ready for recoating. (Steel is left with a "white metal" finish, per NACE, SSPC and SIS standards.)

Using nothing but ultra-high pressure water (up to 40,000 psi, or 2,800 bar), HydroPrep™ is as productive as grit blasting. Yet it saves you the associated expense, risks (environmental or sparks) and clean-up problems. You choose the level of automation you need, and vacuum recovery is available.

## NLB CRAWLER TAKES SURFACE PREP TO NEW HEIGHTS

It's a tall order to strip epoxy coatings off a 125-foot-tall tank full of Liquefied Natural Gas (LNG), but the NLB Crawler cuts it down to size.

"We've used NLB for years," says B.R. Flowers, president of BR Flowers, Inc., a major surface prep and painting contractor in Norfolk,

Virginia. "I don't think you can get better equipment; it runs very reliably, without problems."

Using an automated Crawler, UHP pump units and other accessories (all from NLB), Flowers was able to remove up to 2,000 square feet per day from the huge tank — without

containment. The Crawler is a proven tool to:

- Reduce operating costs
- Keep projects on schedule
- Minimize risk to personnel and the environment

## NLB Crawler SRT-10

For big vertical jobs, like 100-foot storage tanks and ship hulls, more and more contractors are moving up to the NLB SRT-10 Crawler. While personnel stay safely on the ground, it crawls up, down and sideways — directed from a remote console — while rotating SPIN JET® nozzles do all the work.

The Crawler uses a vacuum system to grip the surface and to recover wastewater and debris, minimizing clean-up. A winch skid assembly with locking pulleys allows an operator to position the unit and also serves as a fall arrest system.

The SRT-10 Crawler can be used horizontally as well as vertically. It cleans over welds and plates as thick as 1/2" (12.7mm).



Type	Seal Type	Max. Pressure	Max. Flow	Nozzles	Rotation Speed	Weight	Vacuum Connection
Air-Powered	DS8800A-3	40,000 psi (2,800 bar)	10 gpm (37.8 lpm)	14	3,000 rpm 90 psi, 20 scfm	185 lbs. (84 kg)	4" (10.2 cm)

Patent No. 6,081,960

## VertaJet™ SRT-6



For "in-between" vertical surfaces (too large for manual water jetting but too small for a Crawler), try the NLB VertaJet™ SRT-6. This lightweight, hand-held system is attached to a vacuum source, so while the operator removes paint, epoxy, etc., he can collect the debris at the same time. A steel surface is left clean and dry in a single pass.

The VertaJet™ features dual-trigger

operation (like our rotating lances) to dump pressure if the operator releases either trigger.

### Features and benefits include:

- Vacuum recovery standard
- Counterbalanced to minimize operator fatigue
- Compact design and lightweight aluminum construction
- 6" (15 cm) cleaning path for high productivity rates
- Uses NLB's exclusive BARJET™ and Bi-Mode™ valve technology

Type	Seal Type	Max. Pressure	Max. Flow	Nozzles	Rotation Speed	Weight	Vacuum Connection
Air-Powered	DS8800A-3	40,000 psi (2,800 bar)	6 gpm (23 lpm)	8	3,000 rpm 90 psi, 20 scfm	35 lbs. (16 kg)	3" (7.6 cm)

Rebuild Kit: Part Number SRT-6-1

## SPIN JET® Floor and Grate Cleaners



You can quickly remove coatings, pavement markings, runway rubber, and more with a SPIN JET® unit from NLB.

Maneuverable, low-maintenance and ergonomically designed, these hard-working units are used on everything from ship decks to parking lots. Check out these key features:

- Vacuum recovery available
- Air-powered for consistent rotational speed
- Hard rubber wheels for easy movement over different surfaces
- Fast-acting dump valve reduces water pressure to near-zero
- Includes NLB's ultra-high pressure BARJET™ spray bar

## 36-9900-15A and Vortex™ 36-9950-15A



- No belt or chain drive (integral seal and motor)
- Lightweight aluminum is easy to handle

- Balanced design and adjustable handle
- 4" vacuum attachment (only on the Vortex™ 36-9950-15A)

Seal Part No.	Discharge Pressure (Max.)	Max. Flow	Rotation Speed	Air	Weight	Width	Nozzles
<b>36-9900-15A</b>							
DRS12481	40,000 psi (2,800 bar)	11 gpm (42 lpm)	2,000 rpm	65 psi @ 50 cfm (4.5 bar @ 23.6 l/s)	120 lbs. (54.5 kg)	16" (41 cm)	Up to 15
<b>Vortex™ 36-9950-15A</b>							
DRS12481	40,000 psi (2,800 bar)	11 gpm (42 lpm)	2,000 rpm	65 psi @ 50 cfm (4.5 bar @ 23.6 l/s)	138 lbs. (62.7 kg)	16" (41 cm)	Up to 15

Recommended Spare Parts Kit: 36-9900-15A-1

## Vacuum Lance Attachment

The NLB VacLance attachment turns any NCG8450A-3 hand lance into a vacuum recovery surface preparation tool. This kit (DM16546) provides all the required components to convert any existing NCG8450A-3 series lance

into a vacuum recovery UHP hand lance. The unit requires approximately 100 CFM at 1 to 2 inches of vacuum. It will attach to a vacuum source via NLB's 2" vac hose (PM16758).



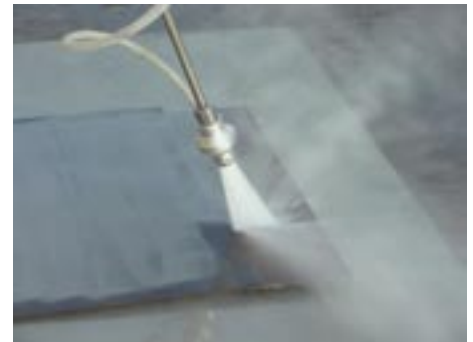
## Profiler™

Abrasive wet blasting at up to 40,000 psi (2,800 bar) is no problem for NLB's Profiler™. It profiles a 4-inch (100mm) path at rates of up to 15 feet (5m) per minute, and leaves an excellent bonding surface for new coatings. The Profiler operates at flows of 3-6 gpm (11-23 lpm).

This innovative tool works with various abrasive media, to suit specific applications. The abrasive is fed to the nozzle from an abrasive feed hopper, through metering discs that restrict the

flow to a predetermined rate. A typical flow is 2 lbs. (0.9 kg) per minute.

- Profiles metal and welds, for an ideal bonding surface
- Pressures from 20,000 to 40,000 psi (1,400 to 2,800 bar)
- Flows of 3-6 gpm (11-23 lpm)
- Designed to work with NCG24-286 or NCG40-286 UHP lance, with quick-change cartridge.



Part Number	Pressure Rating	End Connections	Replacement Nozzles		
			40,000 psi @ 6 gpm	40,000 psi @ 3 gpm	20,000 psi @ 6 gpm
BM17994*	20,000 psi* (1,400 bar)	9/16" MP LHF	N/A	N/A	PM18673
BM17994	40,000 psi (2,800 bar)	9/16" HP LHF	PM18671	PM18672	N/A

\*at 20,000 psi, requires BM24622 adapter

## Ship Bottom Cleaner

With the NLB Ship Bottom Cleaner (SBC36-8300-15A), the entire bottom of a huge tanker ship can be cleaned by a single operator. The SBC is a self-propelled unit that cleans overhead as it travels, with our patented SPIN JET® nozzles.

### Some highlights:

- Speed of up to 5 feet per minute (1.5 m/min.)
- Adjustable height, from 40.5" to 70.5" (103 cm to 179 cm)

- Operating pressure up to 40,000 psi (2,800 bar); flow up to 10 gpm (23 lpm)
- Optional vacuum recovery of water and debris
- Convenient, handle-mounted controls
- Pneumatic operation



Type	Seal Type	Max. Pressure	Max. Flow	Nozzles	Rotation Speed	Weight	Vacuum Connection
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Rebuild Kit: Part Number SRT-10-1