

Hand Lances



Lances are the basic tools of water jetting, and NLB offers more choices — with more safety and ergonomic features — than any other manufacturer. From adjustable grips and shoulder supports to trigger locks and a patented quick-change cartridge seal, NLB leads the way in operator protection and comfort.

This section features **lances** that work with a wide range of nozzles — dual-trigger, underwater dump, and shut-off models. All feature rigid

stainless steel construction with quick-coupling hose hook-up.

Also in this section, you'll find related accessories — a 40,000 psi **rotating lance**, **vacuum attachment**, **lance stands**, and **whip hoses**.

NOTE: Operators should not withstand back thrust of more than 1/3 their body weight for an extended time. Please refer to the thrust chart on Pages 98-99 and the formula on the back cover.

286 SERIES HAS THE FEATURES YOU ASKED FOR

NLB's 286 series of water jet lances are designed for maximum operator protection and productivity. A patented trigger (U.S. patent no. 5,636,789) lets the operator dump pressure immediately by simply pushing forward. It can be operated

with just 8-to-12 pounds of pressure, and a one-finger latch prevents accidental actuation.

The key is a quick-change cartridge that you can replace in the field in less than 60 seconds. This unique

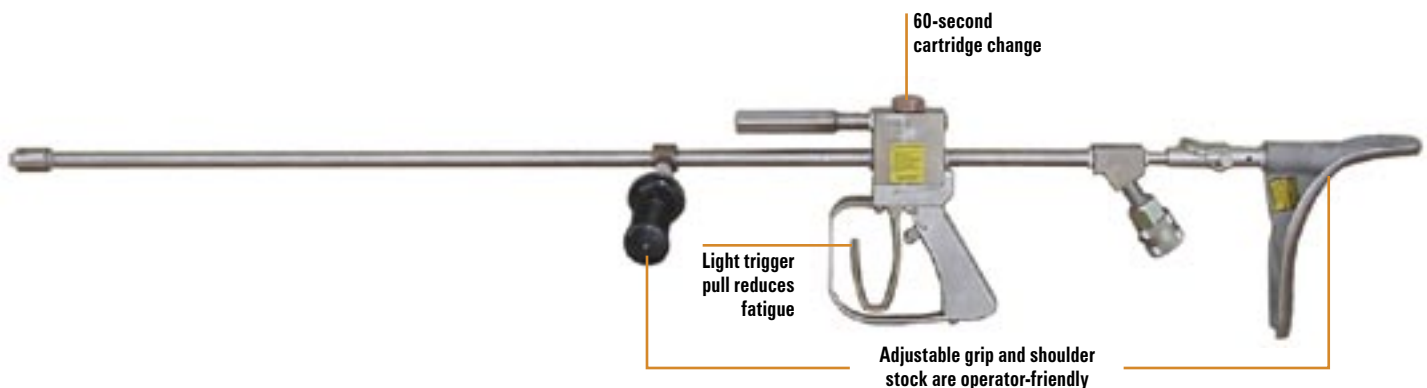
feature is available in all 9 models, with operating pressures as low as 10,000 psi (700 bar) and as high as 40,000 psi (2,800 bar). Please refer to the accompanying tables for features, benefits and key specifications and dimensions.



Quick-change cartridge seal reduces downtime

Features and Benefits

- Dump type helps protect operator
- Replace cartridge in under 60 seconds
- Lightweight
- Easy trigger actuation, 8 to 12 lbs. (3.6 to 5.5 kg)
- New trigger design allows operator to force lance into dump mode (Patent No. 5,636,789)
- One-finger latch to prevent accidental actuation
- Adjustable shoulder stock and hand grip
- Double trigger models require pressure on both triggers to actuate lance



Operator-Friendly

Quick-change cartridge and a choice of barrels

- 3/8" barrel is lightweight for easy handling
- 1/2" barrel is even more rugged and durable

NCG10-286, NCG15-286



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
NCG10-286-1/2						
10,000 psi <i>(700 bar)</i>	12 lbs. <i>(5.5 kg)</i>	3/8" NPT Male	1/2" NPT Male	36" <i>(91.5 cm)</i>	BM15915	SW-15K-7
NCG15-286-3/8						
15,000 psi <i>(1,035 bar)</i>	12 lbs. <i>(5.5 kg)</i>	3/8" NPT Male	3/8" NPT Male	36" <i>(91.5 cm)</i>	BM15915	SW-15K-7

Patent No. 5,636,789

More Protection:

Dual-trigger lance needs two hands to actuate

- Must squeeze both triggers, enhancing safety
- Lance can be forced into dump mode

NCG10-286DT, NCG15-286DT



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
NCG10-286DT-1/2						
10,000 psi <i>(700 bar)</i>	16 lbs. <i>(7.3 kg)</i>	3/8" NPT Male	1/2" NPT Male	36" <i>(91.5 cm)</i>	BM15915	SW-15K-7
NCG15-286DT-3/8						
15,000 psi <i>(1,035 bar)</i>	16 lbs. <i>(7.3 kg)</i>	3/8" NPT Male	3/8" NPT Male	36" <i>(91.5 cm)</i>	BM15915	SW-15K-7

Patent No. 5,636,789

Underwater Lances

Specially designed for underwater use

- Ideal for piers, pilings, barnacle removal
- Second nozzle at rear balances thrust of jetting action

NCG15-286UW



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
15,000 psi <i>(1,035 bar)</i>	12 lbs. <i>(5.5 kg)</i>	3/8" NPT Male	3/8" NPT Male	36" <i>(91.5 cm)</i>	BM15915	SW-15K-7

Patent No. 5,636,789

Hand Lances

20K Underwater

- Ideal for underwater applications, such as barnacle removal and concrete hydrodemolition
- Balances thrust with a second nozzle at the rear

NCG24-286ZT



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
24,000 psi <i>(1,680 bar)</i>	13.5 lbs. <i>(16 kg)</i>	9/16" MP LHF	9/16" MP LHF	36" <i>(91.5 cm)</i>	BM15924	BM19662

Patent No. 5,636,789

Up to 24,000 psi

Now the features that made NLB's 10,000 psi hand lances so popular are available at 24,000 psi!

- High flow (up to 35 gpm/
133 lpm)
- Rebuild in 60 seconds

NCG24-286



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
24,000 psi <i>(1,680 bar)</i>	13.5 lbs. <i>(16 kg)</i>	9/16" MP LHF	9/16" MP LHF	36" <i>(91.5 cm)</i>	BM15924	BM19662

Patent No. 5,636,789

Dual-Trigger

The ultimate in operator protection:

- Requires two hands on the lance during operation
- Can be forced into dump mode with either trigger

NCG24-286DT



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
24,000 psi <i>(1,680 bar)</i>	13.5 lbs. <i>(16 kg)</i>	9/16" MP LHF	9/16" MP LHF	36" <i>(91.5 cm)</i>	BM15924	BM19662

Patent No. 5,636,789

UHP with Quick-Change Cartridge

UHP water jetting has never been so easy. This lance has all the easy-rebuild features as other NLB 286 accessories and:

- Lightweight, ergonomic design
- Can be used with NLB SRH40-77 to produce rotating water jets without compressed air

NCG40-286 **NEW!**

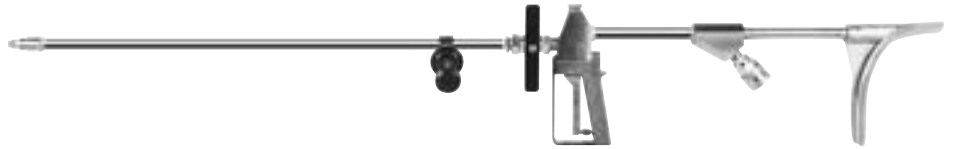


Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Replaceable Cartridge	Optional Whip Hose
40,000 psi <i>(2,800 bar)</i>	13.5 lbs. <i>(16 kg)</i>	9/16" HP LHF	9/16" HP LHF	36" <i>(91.5 cm)</i>	BM20935	BM21403

Patent No. 5,636,789

Dry Shut-off

- For lower pressure applications
- Requires unloader valve (p. 29)



Pressure Rating	Weight	Inlet Connection	Barrel Connection	Barrel Length	Rebuild Kit	Optional Whip Hose
NSG-300A						
10,000 psi <i>(700 bar)</i>	14 lbs. <i>(6.4 kg)</i>	1/2" NPT Female	3/8" NPT Male	36" <i>(91.5 cm)</i>	300ARBKT	SW-15K-7
NSG-600						
6,000 psi <i>(415 bar)</i>	7 lbs. <i>(3.2 kg)</i>	1/2" NPT Female	1/2" NPT 14BSP Male	36" <i>(91.5 cm)</i>	600RBKT	SW-15K-7
NSG-700						
4,000 psi <i>(275 bar)</i>	7 lbs. <i>(3.2 kg)</i>	3/8" NPT Female	1/4" NPT Male	36" <i>(91.5 cm)</i>	700RBKT	SW-15K-7

Patent No. 5,636,789