

# Hand Lances

## Rotating Lances

For ultra-high pressure water jetting in a wider spray pattern, the best choice is usually a **rotating lance** with one of our specially-designed **multi-orifice heads**. The NCG8450A-3 and NCG8450LA-3 lances feature an air-driven swivel that drives the nozzle assembly. Use requires a **Bi-Mode™ valve** and a DM14150 hose assembly to connect them. A Bi-Mode™ valve lets two operators run lances from a single pump unit. (Dual lance operation also requires a CM13027 "Y" adapter. See Page 28.)

Key features of the NCG8450A-3 rotating lance include:

- Variable speed rotation, up to 3,000 rpm
- Field-repairable
- Dual-trigger actuation for operator protection
- Instant dump to low pressure when trigger is released
- Lightweight, ergonomic design



**NEW!**



### NCG8450A-3 and NCG8450LA-3

Max. Pressure	Rotation Speed Up to	Air	Inlet Connection	Barrel Connection	Barrel Length	Weight
<b>NCG8450A-3</b>						
40,000 psi (2,800 bar)	3,000 rpm	22 cfm @ 90 psi (10.4 l/s @ 6 bar)	9/16" - 18	9/16" - 18 RH	36" (91.4 cm)	16 lbs. (7.3 kg)
<b>NCG8450LA-3</b>						
40,000 psi (2,800 bar)	3,000 rpm	22 cfm @ 90 psi (10.4 l/s @ 6 bar)	9/16" - 18	9/16" - 18 RH	48" (1.2 m)	18 lbs. (8.2 kg)

## Bi-Mode™ Valve

The field-repairable NLB Bi-Mode™ valve can significantly improve UHP system productivity. It uses the same quick-change cartridge valve as our 286 series lances and foot controls. User-friendly features include:

- 60-second cartridge replacement
- switch from 1-lance to 2-lance operation with a simple nozzle change
- rounded frame for easier carrying

A DM14150 hose assembly is required to connect a rotating lance to a Bi-Mode™ valve.



**NEW!**



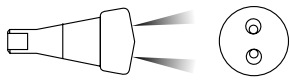
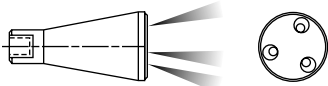
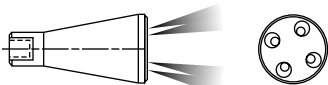
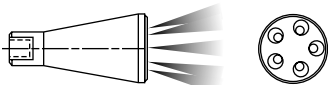
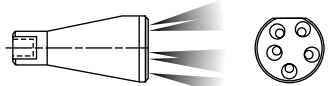
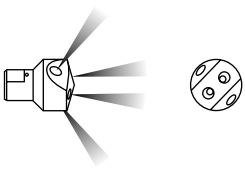
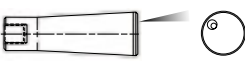
### NLB8488

Max. Pressure	Inlet Connection	Outlet Connection	Weight	Cartridge
40,000 psi (2,800 bar)	1-1/8" - 12 UNF	9/16" - 18 male	55 lbs. (25 kg)	BM 24521

## UHP Rotating Heads

NLB offers a wide selection of multi-orifice heads for the NCG8450A-3

rotating lance. All use our standard BN3539 0° nozzles and BA3894 nozzle

	Part No.	Orifices	Applications	Features/Benefits
	<b>BM16592</b>	2	Thick coatings, heavy deposits	Greater nozzle stand-off for operator flexibility
	<b>BN10096-1</b>	3	Medium coatings	Can remove coatings one layer at a time
	<b>BN10096-2</b>	4	Thin-to-medium coatings and deposits	Smaller orifices reduce impact, simplify removal in layers
	<b>BN10096-3</b>	5	Quick removal of thin coatings	Ideal for steel and other flat substrates
	<b>DN12560</b>	5	Quick removal of thin coatings	Offset nozzle pattern (15° and 60° off centerline) ideal for irregular surfaces
	<b>CN12094-1</b>	4	I-beams, H-beams, interior corners	Two 15° orifices, two 60° orifices
	<b>CN12094-2</b>	4	I-beams, H-beams, interior corners	Two 15° orifices (different offsets), two 60° orifices
	<b>CN12094-3</b>	4	Tight spaces - I-beams, H-beams, interior corners	Two 15° orifices, two 90° orifices
	<b>CM27174</b>	1	Extra-thick coatings	Single orifice maximizes impact force

**NEW!**

## Vacuum Lances



The NLB VaLance 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).