

# Abrasive Nozzles



The NLB wet abrasive blasting systems combine the force of a high-pressure water jet with the cleaning action of abrasive media — without the dust, costs or health and environmental hazards associated with dry sand blasting.

Wet abrasive blasting can clean steel to a white metal finish or remove

tightly bonded paint from concrete, steel or masonry. NLB offers 10,000 psi, 20,000 psi and 40,000 psi **abrasive nozzles (700, 1,400 and 2,800 bar)**, with **rebuild kits**. A **hopper** is required to hold the abrasive media, whose flow rate is variable with the **metering disc** used (see next page for hoppers and discs).

## PROFILER™ LETS YOU ABRASIVE BLAST AT ULTRA-HIGH PRESSURES

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.

### Profiler™

- 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
<b>BM17994*</b>	20,000 psi (1,400 bar)	9/16" MP LHF	N/A	N/A	PM18673
<b>BM17994</b>	40,000 psi (2,800 bar)	9/16" HP LHF	PM18671	PM18672	N/A

\*at 20,000 psi, requires BM24622 adapter

## NSB-25



### 10,000 psi (700 bar)

Part Number	Spool No.	Max. Flow	Inlet Connection	Rebuild Kit
NSB-25-1	NSB-25-03-1	14 gpm (53 lpm)	1/2" NPT Female	BV2177-1
NSB-25-2	NSB-25-03-2	16 gpm (61 lpm)	1/2" NPT Female	BV2177-2
NSB-25-3	NSB-25-03-3	19 gpm (72 lpm)	1/2" NPT Female	BV2177-3
NSB-25-4	NSB-25-03-4	6.5 gpm (25 lpm)	1/2" NPT Female	BV2177-4
NSB-25-5	NSB-25-03-5	4.5 gpm (17 lpm)	1/2" NPT Female	BV2177-5
NSB-25-6	NSB-25-03-6	10 gpm (38 lpm)	1/2" NPT Female	BV2177-6

## NSB-25-20K



### 20,000 psi (1,400 bar)

Max. Pressure	Nozzle	Max. Flow	Inlet Connection
20,000 psi (1,400 bar)	S-7-0002-M	4.5 gpm (17 lpm)	Slip Fit/Set Screw
	S-7-0003-M	6.5 gpm (25 lpm)	
	S-7-0004-M	9.0 gpm (34 lpm)	
	S-7-0005-M	11 gpm (42 lpm)	

## Abrasive Hopper

- NLB-300-AC hopper holds 300 lbs. (136 kg) of abrasive; NLB-600-AC holds 600 lbs. (272 kg)
- Includes NLB kit DM5820-05 to meter abrasive at adjustable rate (see chart for meter discs included)
- Pressurized hoppers available



NLB-300-AC

## Metering Disc Kit

Part Number	Disc Size	Flow Rate Per Minute, #36 or #50 Garnet	Flow Rate Per Minute, #80 Garnet*	Flow Rate Per Minute, Silica Sand**
CA2031	10	1 lb./min. (0.5 kg/min.)	1.1 lbs./min. (0.5 kg/min.)	0.7 lbs./min. (0.3 kg/min.)
CA2032	15	1.5 lbs./min. (0.7 kg/min.)	1.6 lbs./min. (0.7 kg/min.)	1.1 lbs./min. (0.5 kg/min.)
CA2033	20	2 lbs./min. (0.9 kg/min.)	2.1 lbs./min. (0.9 kg/min.)	1.5 lbs./min. (0.7 kg/min.)
CA2034	30	3 lbs./min. (1.4 kg/min.)	3.2 lbs./min. (1.5 kg/min.)	2.2 lbs./min. (1.0 kg/min.)
CA2035	40	4 lbs./min. (1.8 kg/min.)	4.2 lbs./min. (1.9 kg/min.)	2.9 lbs./min. (1.3 kg/min.)
CA2036	50	5 lbs./min. (2.3 kg/min.)	5.3 lbs./min. (2.4 kg/min.)	3.7 lbs./min. (1.7 kg/min.)
CA2037	60	6 lbs./min. (2.7 kg/min.)	6.4 lbs./min. (2.9 kg/min.)	4.4 lbs./min. (2.0 kg/min.)
CA2038	70	7 lbs./min. (3.2 kg/min.)	7.4 lbs./min. (3.4 kg/min.)	5.1 lbs./min. (2.3 kg/min.)
CA2039	80	8 lbs./min. (3.6 kg/min.)	8.5 lbs./min. (3.8 kg/min.)	5.6 lbs./min. (2.5 kg/min.)
CA2040	90	9 lbs./min. (4.1 kg/min.)	9.5 lbs./min. (4.3 kg/min.)	6.6 lbs./min. (3.0 kg/min.)
CA2041	100	10 lbs./min. (4.5 kg/min.)	10.6 lbs./min. (4.8 kg/min.)	7.3 lbs./min. (3.3 kg/min.)

\*The flow rate of #80 Garnet is approximately 6% higher than #36 or #50.

\*\*Silica sand is used for wet abrasive blasting, but not recommended for abrasive cutting.