DUSTLESS BLASTING

WETBLAST FLEX™
ALL-IN-ONE WETBLAST SYSTEM

Our all-in-one WETBLAST FLEX™ system gives you convenience you don't get from traditional slurry systems. Its design and simplified set up and operation make for easier end-of-shift shutdown. By mixing the abrasive and water after it leaves the blast machine, you never have to empty a machine of a messy water/abrasive mix.

Flexible set up options allow you to position the water injector either at the base of the blast machine or at the nozzle _ your choice. With the injector at the nozzle, you can adjust the water/abrasive mix at any time.

You can dry-blast with the FLEX, simply remove the injector adaptor mounted at the base of the machine, and turn off air to the pump.

SKID MOUNTED
All in one convenient design with fork lift pockets and lifting eyes.

WATER SOURCE
Use the on board water tank or connect the system to a municipal water source.

ABRASIVE CUT OFF SWITCH
With injector and ACS at the nozzle, you can control wash down and surface blow off without a trip to the blast machine.

NO POT TENDER NEEDED
With the injector adaptor and ACS mounted at the nozzle, there's no need for a pot tender.

CLEMCO®

FLEX - *BASE UNIT $14,950

- 6 ft³ Blast Machine with Pneu Remotes and 50 ft Control Line
- 120 Gallon Water Tank
- Wetblast Injector™ Pump Module
- Base-Mount Wetblast Injector™
- Standard Wetblast Injector™ with 50' Hose
- Abrasive Cut-Off Switch
- Blast Machine Screen & Cover
- 1 ½" Pressure Regulator & Air Filter

Contractor Thread : Stock No. 28434
1-1/4" Thread: Stock No. 28436

FLEX - PACKAGE $16,250

- Base Unit
- #8 Long-Venturi Nozzle
- Clem-Cool Air Conditioner
- CPF-20 (installed on skid)
- 50' Coupled Supa Hose
- Apollo 600 HP DLX
- 50' Respirator Hose
- Nominal Spares

Contractor Thread : Stock No. 28435
1-1/4" Thread: Stock No. 28437

Dimensions: 68" L x 46" W x 52" H
Base Weight: 1450 LBS
Package Weight: 1550 LBS

* Systems differ with choice of nozzle injector adaptor _ contractor or fine thread.

Stock No. 28426

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Wetblast Injector Systems

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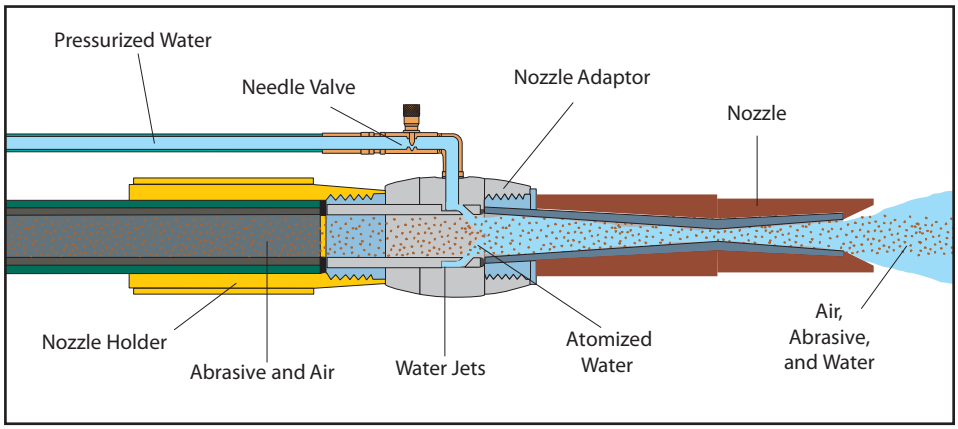
High-Performance Dust Reduction For Blast Cleaning

- Reduces airborne job site dust
- May eliminate need for costly containment
- Improves coating adhesion by removing soluble salts and corrosives
- Reduces premature coating failures



The Clemco Wetblast Injector System adds the dust-suppressing power of water to any blast machine with a pump-driven system that injects water into the abrasive stream before it exits the nozzle. The system allows the operator to meter the desired amount of water into the high-velocity air/abrasive stream for hard-hitting, high-performance blasting and a dramatic reduction of airborne dust normally present in dry abrasive blasting.

Because the Clemco Wetblast Injector System introduces water into the abrasive before it exits the nozzle, each abrasive particle is wet. This feature greatly improves blast surface visibility for the operator and outperforms water ring systems.

Operation

The power behind Clemco's Wetblast Injector rests in our exclusive 10:1 pump. It uses compressed air to inject water into the high-velocity abrasive/air stream at the nozzle. A single pump can easily operate two nozzles, each with independent controls. Simply purchase an additional nozzle adaptor and add one more hydraulic hose to the water outlet.

The Wetblast Injector System requires no electric power, so there are no wires and no connections to short or shock.

Because the system has its own pump and uses relatively small amounts of water, any source of clean water will work — household tap, water tower, or low-lying tank.

A regulator with pressure gauge, mounted inside the control box, controls water pressure. The operator adjusts the water volume with a fine-thread needle valve at the nozzle.

The versatile Wetblast Injector lets the operator blast in wet or dry mode. When the machine is equipped with an abrasive cut-off system, the operator can rinse the surface with air and water, then dry the surface with high-pressure air.

Applications

A blast system with Clemco's Wetblast Injector quickly cleans structural steel to any degree of cleanliness from brush-off to white metal. After blasting, the water-and-air rinse removes soluble salts and other corrosives that can cling to the surface. If flash rust is a problem, the pump can siphon clean water from a static-holding tank that contains a pre-mixed rust inhibitor solution to retard rust development on exposed steel.

With so many variables - blast pressure, water pressure and volume, blast media, and operator technique – The Wetblast Injector enhances the versatility of any abrasive blast system.

NOTE: All components of the Wetblast Injector System are required for proper operation. The nozzle adaptor cannot be used independently.

Breathing dust from abrasive blasting, even when using the Wetblast Injector System, can be hazardous. Wear a NIOSH approved blast respirator. Follow the instructions provided with the respirator.

Specifications

Wetblast Enclosure	Dimensions	20" x 20" x 8-5/8"	51 cm x 51 cm x 22 cm
Water Pump	Air-operated, positive displacement, Self priming; nominal 10:1 ratio		
Air Consumption		28 cfm @ 100 psig	793 ltr/min @ 6.8 bar
Pump Capacity @ maximum flow (controlled by needle valve at the nozzle)		2.8 gpm @ 60 psig	10.6 ltr/min @ 4.1 bar
		3.6 gpm @ 80 psig	13.6 ltr/min @ 5.5 bar
		3.9 gpm @ 100 psig	14.7 ltr/min @ 6.8 bar
Hydraulic Hose	Dimensions	50 ft x 3/8" dia.	15 meters x 9 mm dia.
	Working pressure	1000 psig	68 bar
Fittings	Air Inlet	1/2"	13 millimeters
	Water Inlet	3/4"	19 millimeters
	Main water outlet	1/2" teed to two 1/4" connections	12 mm teed to two 6 mm connections
	Individual water outlet	1/4"	6 millimeters
System Shipping Weight	One-operator systems	85 lb	38.6 kg
	Two-operator systems	95 lb	43.2 kg

All Clemco Wetblast Injector Systems include the wetblast enclosure, pump, nozzle adaptor assembly, and hydraulic hose. Systems are offered to fit three nozzle styles. Select the system that fits the thread and entry of the nozzle you intend to use.Order nozzles separately.

Ordering Information

System Descriptions	Stock Nos. One Operator [1]	Two Operators [2]
Fits nozzles with 1-1/4" thread, 1" entry. (For SSD, SJD, SSR, SJR, CSD, CJD, TSP & TJP nozzles)	05500	05501
Fits nozzles with contractor thread, 1" entry. (For SMD, SYD, SMR, SYR, TMP & TYP nozzles)	07750	07751
Fits nozzles with contractor thread, 1-1/4" entry. (For SXD, SXR, TXD & TXP nozzles)	07752	07753

[1] One-operator systems include one nozzle adaptor assembly & one 50 ft length of hydraulic hose.

[2] Two-operator systems include two nozzle adaptor assemblies & two 50 ft lengths of hydraulic hose.

CLEMCO

Clemco is committed to continuous product improvement.
Specifications are subject to change without notice. ISO 9001:2008 certified

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