

# CLEMCO®

## Wetblast Injector Systems

High-Performance Dust Suppression  
for Abrasive Blasting

**Clemco has earned its reputation for quality and customer support over six decades of service to industry.**

ISO 9001 Certified



# Clemco Wetblast Systems Help Contractors Minimize Job Site Blast Dust

## **The Wetblast FLEX™**

All-in-one wetblasting system includes 6 cubic-foot-capacity blast machine, 120-gallon water storage tank, and pump module mounted on a portable framed platform.

The FLEX is engineered to provide high-performance blasting with maximum dust suppression.



## Feature-Packed

- ⓧ Set up—a single air connection controls all pneumatic functions
- ⓧ Water and abrasive mix outside the blast machine
- ⓧ Rugged, portable skid-mounted system with fork pockets and lifting eyes
- ⓧ Water-to-abrasive ratio control at the machine or at the nozzle
- ⓧ Control media ON and OFF with abrasive cut-off system
- ⓧ Connect to water—use from the tank or a municipal supply
- ⓧ Place controls at the nozzle or at the blast machine
- ⓧ Blast dry or wet.
- ⓧ Fits in the back of most full-size pick-up trucks

## Familiar Technology

Contractors have relied upon Clemco blast machines to get work done quickly and easily for many decades. The FLEX incorporates proven technology, combined in a new way, providing the same quality and productivity-enhancing features for day-in day-out service.

## Simple to Operate

Fill the blast machine with dry abrasive, fill the water tank, add rust inhibitor if desired, or simply connect to a municipal water supply. Connect compressed air, adjust the metering valve, blast pressure, and water pressure. A single air connection supports all pneumatic equipment. It's that easy.

## Choosing a System

**Systems are available as a Base Unit or Package.** Standard systems operate from 50 to 120 psi; low pressure (LP) systems with an extended operational range from 5 to 120 psi are available.

Purchase a **FLEX Base Unit** when you already own coupled blast hoses (min. 1" ID), nozzles, and operator safety equipment. Choose your base unit to suit the threading of the nozzle you intend to use.

Purchase a **FLEX Package** for a complete blast system. The packages include a base unit plus 50 feet of coupled Supa™ blast hose, a 7/16-inch orifice long-venturi nozzle, and operator safety equipment — Apollo 600 HP DLX with Clem-Cool air conditioner and CPF-20 breathing-air filter.



## SPECIFICATIONS & ORDERING INFORMATION

### FLEX Base Units

The Wetblast FLEX has an operational pressure range of 50 to 120 psi. A low pressure model, the FLEX LP is also available. It features an extended blasting pressure range of 5 to 120 psi. LP units allow frequent start/stop, maintaining lower blast pressure.

*All base units come with two injector assemblies (either 1¼" fine thread or 50mm Contractor thread), one that can be located at the metering valve an alternate that can be located at the nozzle. Customers choose which one to install depending upon where they wish to locate the operator controls for water flow and abrasive on/off.*

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<b>Blast Machine:</b>	Model 2448, 6 CF capacity, with 1¼" piping, built to ASME-code, National Board approved, rated 150 psi maximum working-pressure
<b>Remote Controls:</b>	Pneumatic-type: Millennium Inlet Valve, TLR Outlet Valve, RLX Control Handle, Abrasive Cut-off, 52 ft twin-line hose, 52 ft ACS hose
<b>Metering Valve:</b>	AQV AutoQuantum
<b>WetBlast Injector Pump Module:</b>	See specification of Wetblast Injector Pump Assembly
<b>Pipe Injector Assembly:</b>	1¼" fine thread x 1" entry or Contractor thread 50 mm x 1¼" entry, and 52 feet water hose
<b>Water Storage Tank:</b>	120-gallon capacity
<b>Base Unit Accessories:</b>	24" diam. Screen, 24" diam. Cover, 1½" Pressure Regulator, 1½" Air Filter, Safety Cable
<b>Nozzle Injector Assembly:</b>	1¼" fine thread x 1" entry or Contractor thread 50 mm x 1¼" entry
<b>Nozzle:</b>	Not included with Base Units; order separately or order a FLEX package.

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### FLEX Packages

Packages include FLEX Base Unit plus 50ft x 1¼" ID Supa™ hose fitted with nylon holder and nylon coupling, 7/16"-orifice silicon-carbide-lined rubber-jacketed nozzle, Apollo 600 HP DLX NIOSH-approved supplied-air respirator, ClemCool™ air conditioner, CPF-20 breathing-air filter, 50 ft respirator hose, Apollo 600 outer lenses (pk of 25), Apollo 600 intermediate lenses (pk of 5), 1 pair leather gloves, abrasive-trap screens (6), coupling gaskets (pk of 10), nozzle washers (pk of 10), nylon ties (8).



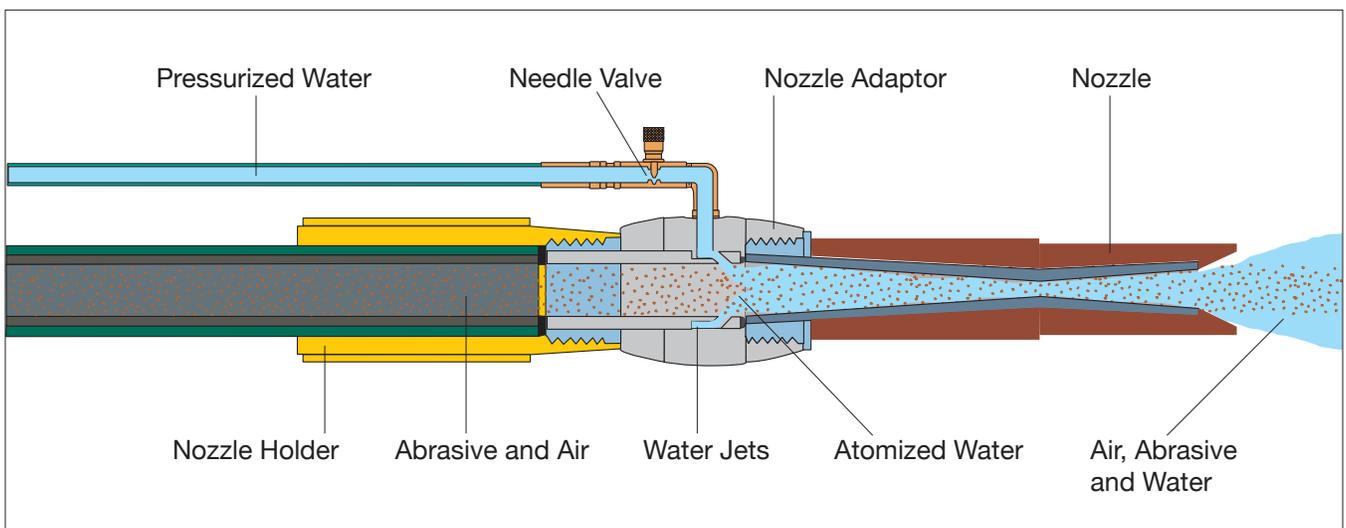
Wetblast FLEX™: All-in-One Wetblast System

Description	Stock Nos.	Stock Nos.
<b>FLEX Base Units</b> With Choice of Nozzle Injector Assembly	<b>Nozzle Thread</b> 1¼" Fine 1" Entry	<b>Nozzle Thread</b> Contractor 50mm 1¼" Entry
<b>FLEX 2448 Base Unit</b> Pressure Range 50 to 120 psi	28436	28434
<b>LP FLEX 2448 Base Unit</b> Pressure Range 5 to 120 psi	28633	28632
Shipping Weight	1500 lbs	1500 lbs
Shipping Dimensions	68" Long x 46" Wide x 52" High	

Description	Stock Nos.	Stock Nos.
<b>FLEX Packages</b> With Choice of Nozzle Injector Assembly	<b>Nozzle Thread</b> 1¼" Fine 1" Entry	<b>Nozzle Thread</b> Contractor 50mm 1¼" Entry
<b>FLEX 2448 Package</b> Pressure Range 50 to 120 psi	28437	28435
<b>LP FLEX 2448 Package</b> Pressure Range 5 to 120 psi	28635	28634
Shipping Weight	1575 lbs	1575 lbs
Shipping Dimensions	68" Long x 46" Wide x 52" High	



## THE WETBLAST INJECTOR



The Wetblast Injector is an economical kit that adds wet-blasting capability to most conventional dry-blast machines.

- ⊕ Mixes water and abrasive at the nozzle for maximum operator control
- ⊕ Dramatically reduces job site dust
- ⊕ Eliminates need for costly containment
- ⊕ Allows surface rinsing and drying
- ⊕ Works with blast machines, 2 CF and larger



### Durable Components

The Clemco Wetblast Injector provides the dust-suppressing power of water to any 2 CF or larger blast machine. Its 10:1 ratio pump and our exclusive injector work together to combine air, abrasive, and water immediately before the nozzle for a powerful, dust-controlled blast stream.

### Simple to Operate

The Clemco Wetblast Injector is easy to set up. With your existing 2 CF or larger blast machine, install the injector assembly at the nozzle, fill the blast machine with dry abrasive and connect air and water. Abrasive flow volume is adjusted at the metering valve and water injection is controlled at the nozzle. If your blast machine is equipped with an abrasive cut-off switch, you have the ability to blast, rinse, and dry the surface, with all controls at the nozzle.

## SPECIFICATIONS & ORDERING INFORMATION

### Wetblast Injector

Nozzle injector body, water hose and air-operated self-priming injector pump, which consumes 28 cfm at 100 psi. Water consumption is controlled by a needle-valve — approximately 0.25 gpm at 60 psi during blasting. Water consumption may be slightly higher or lower based on variables such as nozzle size, blast pressure, condition of surface, material being removed by blasting, and friability of the abrasive. During blasting, water flow can be adjusted to use just enough to control the dust; for wash-down, water flow can be adjusted to a maximum flow of 2.8 gpm. Fittings: 1/2" air inlet, 3/4" water inlet, 1/2" teed to two 1/4" main water outlet connections; 1/4" individual water outlet. Water hose: 3/8" ID x 50 ft, rated 1000 psi.

Description	Stock Nos.	Stock Nos.
<b>Wetblast Injector</b>	<b>Single Operator</b>	<b>Dual Operator</b>
For use with 1 1/4" fine thread x 1" entry nozzle	05500	05501
For use with Contractor 50 mm thread x 1" entry nozzle	07750	07751
For use with Contractor 50 mm thread x 1 1/4" entry nozzle	07752	07753
Shipping Weight	85 lbs	95 lbs

### Notes

All components of the Wetblast Injector Assembly are required for proper operation. The injector body cannot be used independently. Breathing dust from abrasive blasting, even when using the Wetblast Injector Systems, can be hazardous. Always complete a job-site hazard analysis and ensure operators wear proper NIOSH-approved respiratory protection as required. Follow all of the instructions in the operation manual and consult OSHA regulations.



**Committed to extraordinary products, technical support and service.**

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