

# CLEMCO® EASY LOAD SYSTEMS



**and Closed Circuit Blaster**

# CLEMCO EASY LOAD SYSTEMS

Simple Systems Designed to Speed Abrasive Loading and Clean-up Under Harsh Industrial Conditions



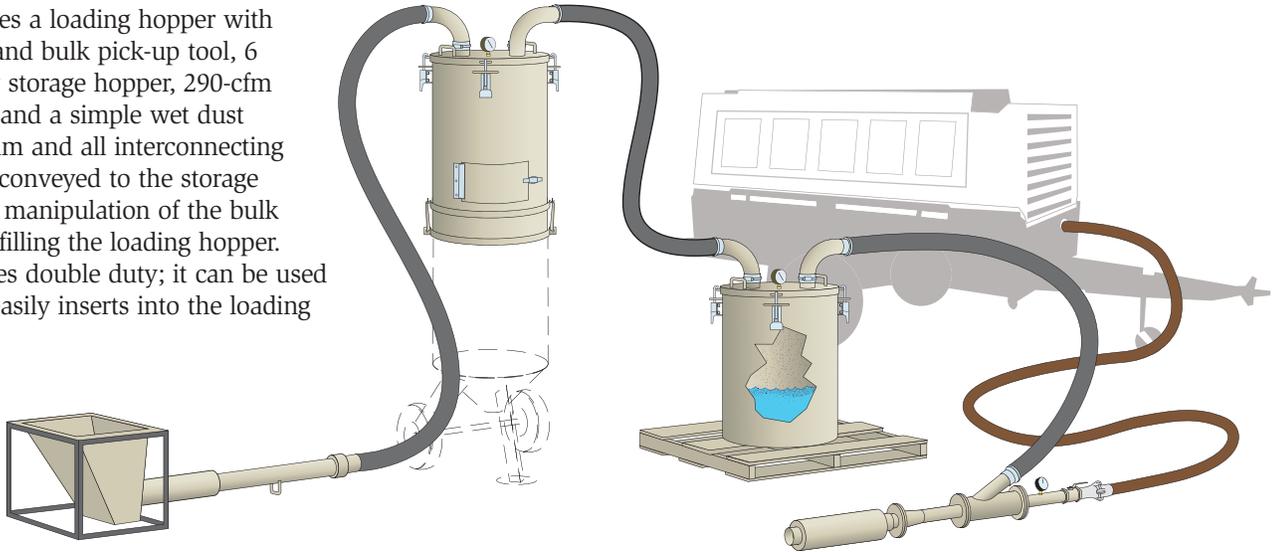
*The Clemco Easy Load Systems are designed to eliminate the awkward, back-breaking and potentially injury-causing practice of lifting and maneuvering heavy bags of abrasive into the concave dish of the blast machine. Loading fresh abrasive and recovering spent material are efficiently handled with these purpose-built systems. Components connect with flexible hoses, so equipment layout can conform to each job site. Eight basic system configurations suit a wide variety of jobsite tasks, abrasive materials, and environmental requirements contractors encounter every day. One of these systems will provide the optimal arrangement needed for your job and greatly reduce labor costs associated with abrasive loading or disposal.*

# SYSTEMS USED FOR EXPENDABLE OR RECYCLABLE ABRASIVES

## ***ELS-1 and ELS-2***

***Application: Loading abrasive from a pile or from the loading hopper into a 6 cubic foot storage hopper; used with optional 6 cubic foot capacity blast machine.***

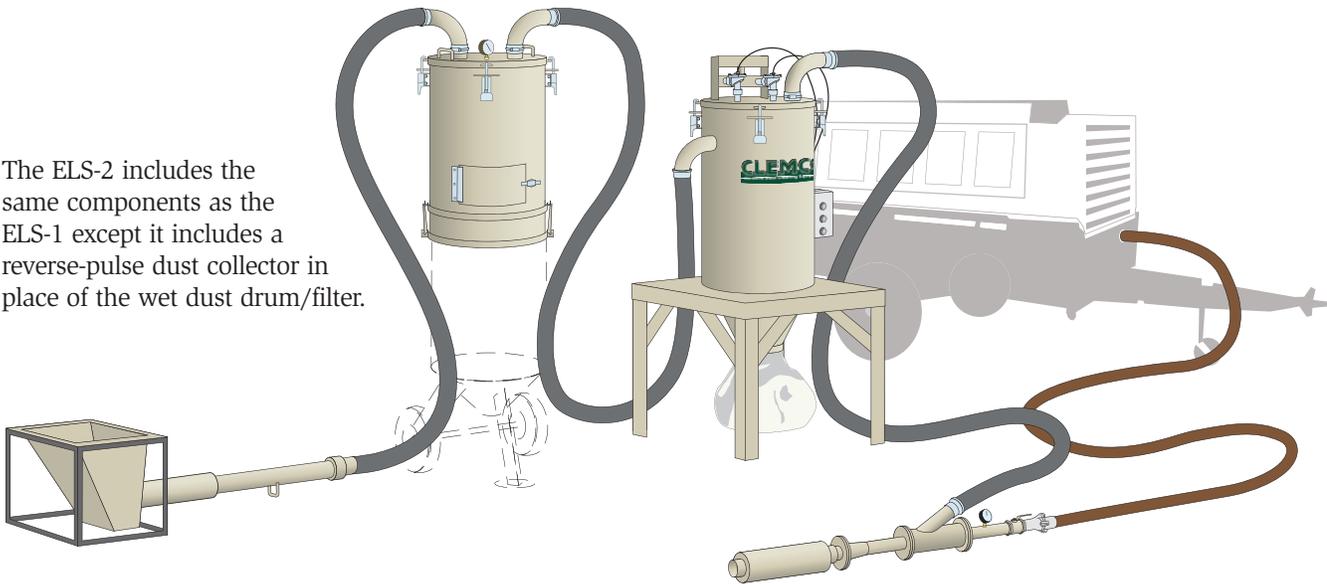
The ELS-1 features a loading hopper with screen and cover, and bulk pick-up tool, 6 cubic foot capacity storage hopper, 290-cfm vacuum producer, and a simple wet dust drum\*, plus vacuum and all interconnecting hoses. Abrasive is conveyed to the storage hopper by manual manipulation of the bulk pick-up tool or by filling the loading hopper. The bulk tool serves double duty; it can be used independently or easily inserts into the loading hopper. The bulk tool serves double duty; it can be used independently or easily inserts into the loading hopper.



ELS-1-290

*\* Systems with wet dust drums are suited for occasional use, such as one day per week, in non-corrosive environments, and in areas where a muddy slurry-like discharge from the VPR can be tolerated.*

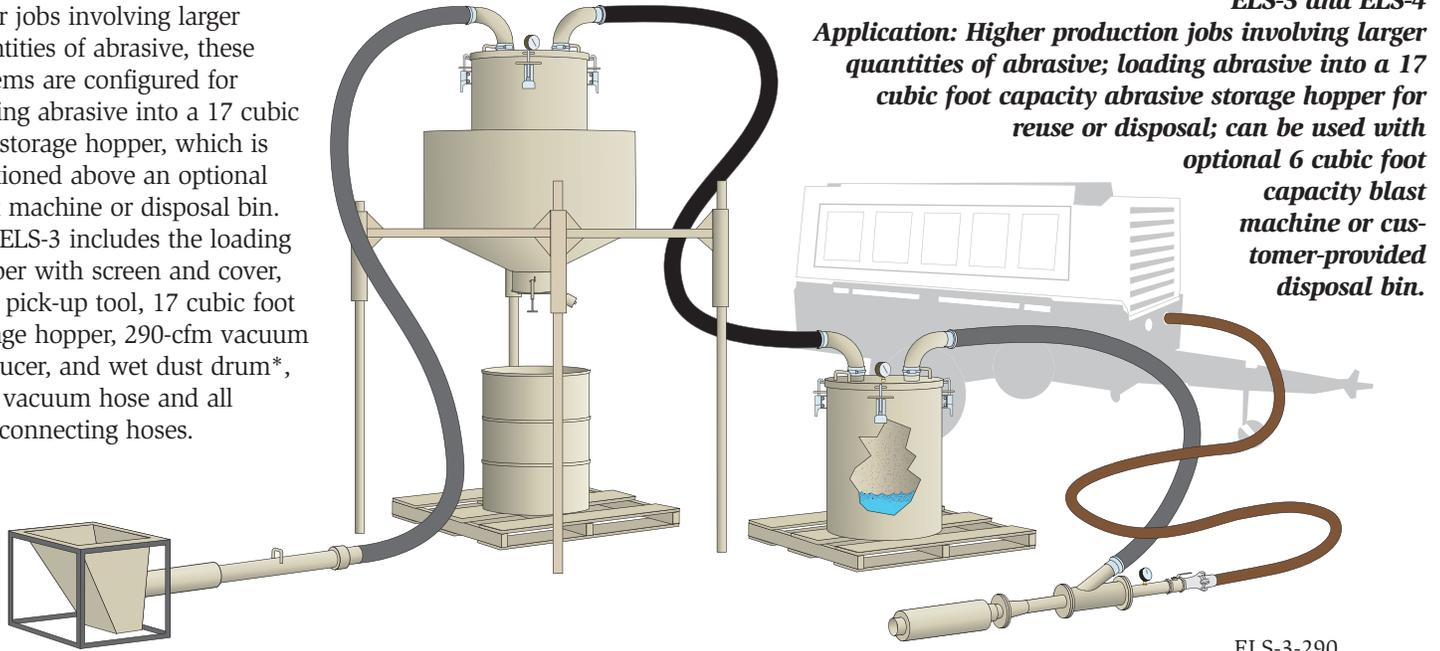
The ELS-2 includes the same components as the ELS-1 except it includes a reverse-pulse dust collector in place of the wet dust drum/filter.



ELS-2-290

# EASIER ABRASIVE LOADING

For jobs involving larger quantities of abrasive, these systems are configured for loading abrasive into a 17 cubic foot storage hopper, which is positioned above an optional blast machine or disposal bin. The ELS-3 includes the loading hopper with screen and cover, bulk pick-up tool, 17 cubic foot storage hopper, 290-cfm vacuum producer, and wet dust drum\*, plus vacuum hose and all interconnecting hoses.

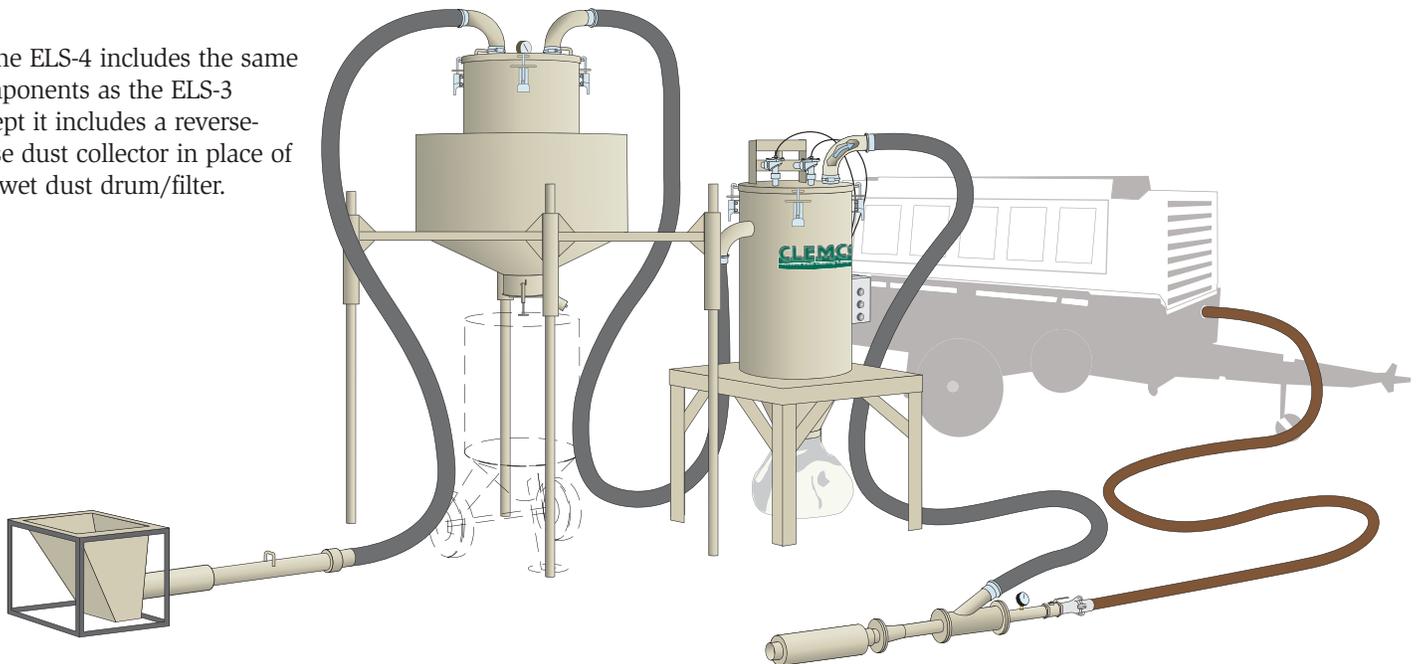


**ELS-3 and ELS-4**  
**Application: Higher production jobs involving larger quantities of abrasive; loading abrasive into a 17 cubic foot capacity abrasive storage hopper for reuse or disposal; can be used with optional 6 cubic foot capacity blast machine or customer-provided disposal bin.**

ELS-3-290

*\* Systems with wet dust drums are suited for occasional use, such as one day per week, in non-corrosive environments, and in areas where a muddy slurry-like discharge from the VPR can be tolerated.*

The ELS-4 includes the same components as the ELS-3 except it includes a reverse-pulse dust collector in place of the wet dust drum/filter.



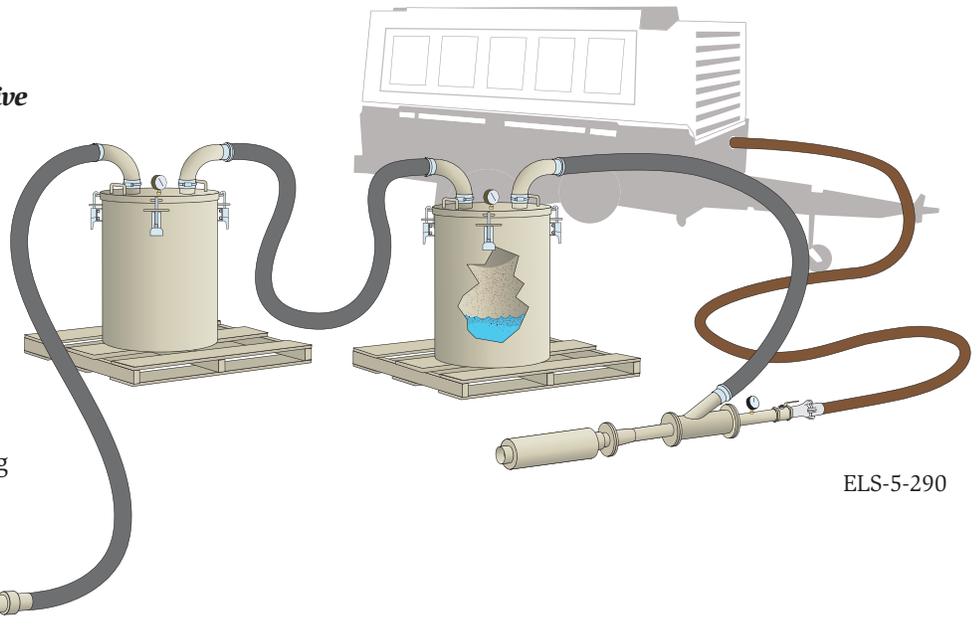
ELS-4-290

# RECOVERING EXPENDABLE ABRASIVES FOR DISPOSAL

## **ELS-5 and ELS-6**

**Application: Small jobs, simple vacuuming of accumulated abrasive into a collection container.**

The simplest, most economical system is for abrasive pick-up and disposal of expendable abrasives. The ELS-5 is configured with a bulk pick-up tool for manual collection in a 6 cubic foot capacity collection container, and a wet dust drum\*, 290-cfm vacuum producer, plus vacuum hose and all interconnecting hoses.

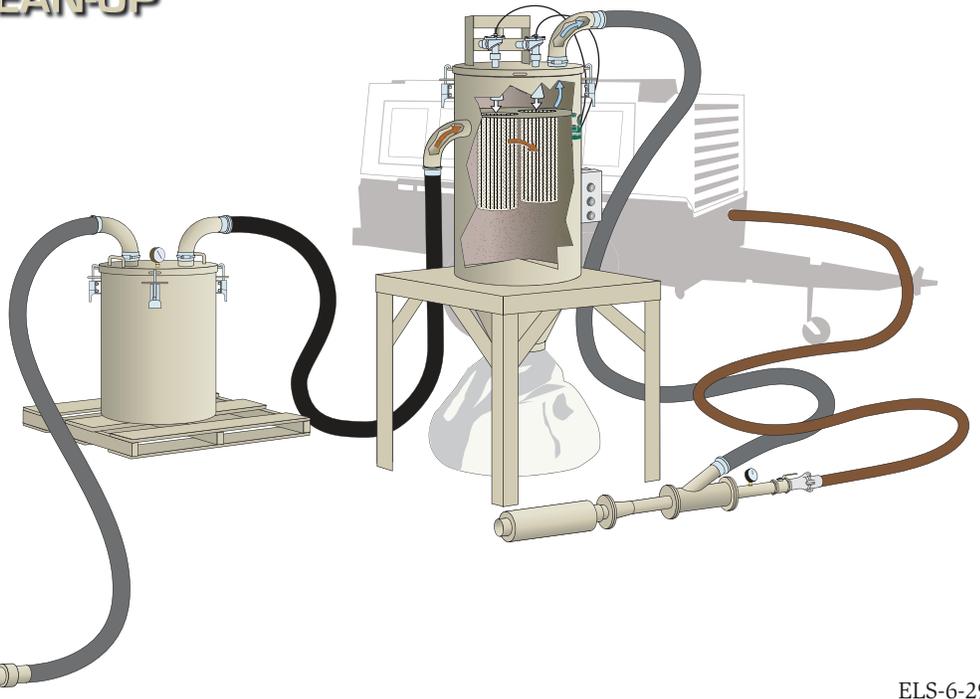


ELS-5-290

*\* Systems with wet dust drums are suited for occasional use, such as one day per week, in non-corrosive environments, and in areas where a muddy slurry-like discharge from the VPR can be tolerated.*

## FASTER JOB-SITE CLEAN-UP

The ELS-6 offers the same set-up as the ELS-5 but includes the highly-efficient reverse-pulse dust collection system in place of the wet dust drum.



ELS-6-290

# CONTROLLING JOB-SITE DUST



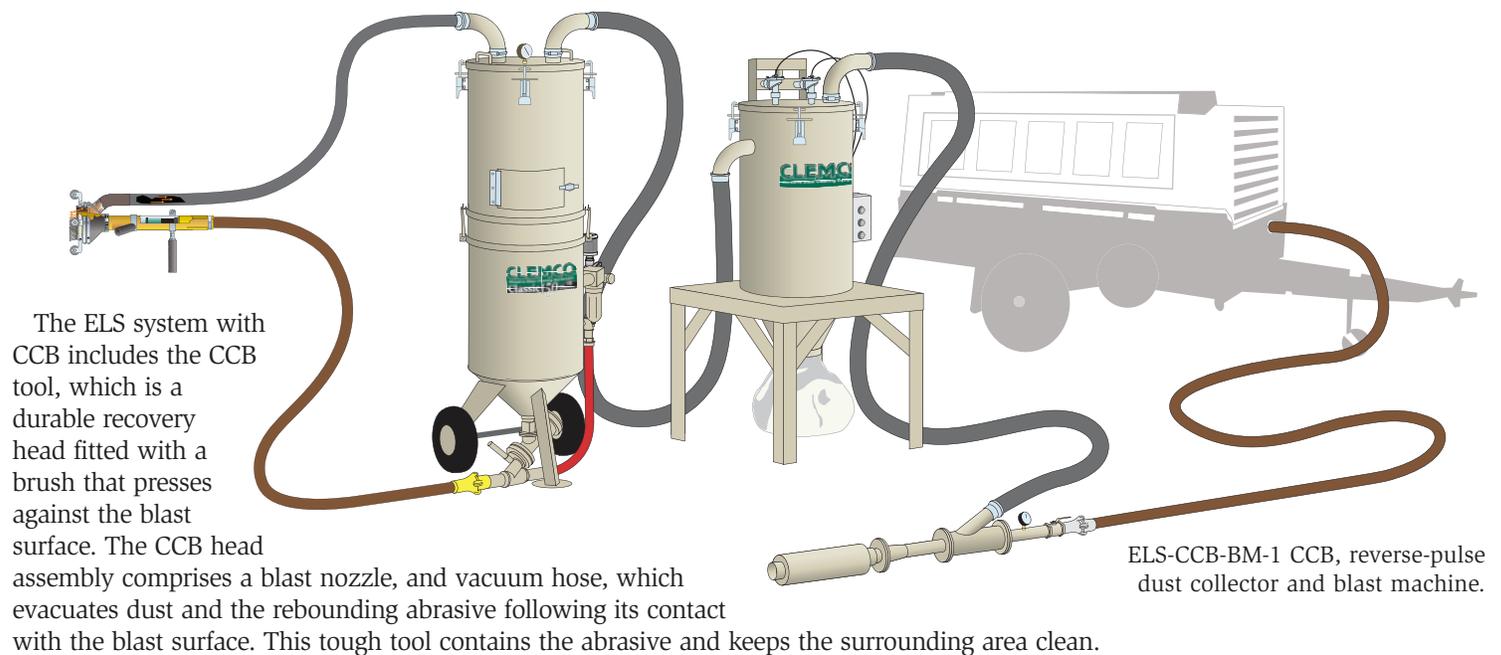
## ***Closed-Circuit Blaster***

The Clemco closed-circuit blaster, the CCB, puts the blast process in the operator's hands—blasting, containing the dust, and recovery—keeping the blast area clean, and protecting both the operator and the environment. Incorporated into the assembly are a 1/4-inch orifice rubber-jacketed tungsten-carbide-lined nozzle, adjustable handles, and a nylon-bristle short, straight brush which provides a tight seal against the surface. Additional brushes for inside- and outside-corners are also included for jobs involving angle-iron or other objects or structures with corners, edges or other geometries.

## ***ELS-CCB-1 and ELS-CCB-BM-1***

***Application: Jobs where blast abrasive must be contained while blasting is in progress. The CCB tool provides a closed-circuit system for blasting, recovering, and disposing of or reusing abrasive.***

A Clemco ELS System with closed-circuit blaster accessory, or CCB, is designed specifically for jobs requiring containment of blast abrasive during the blasting process.



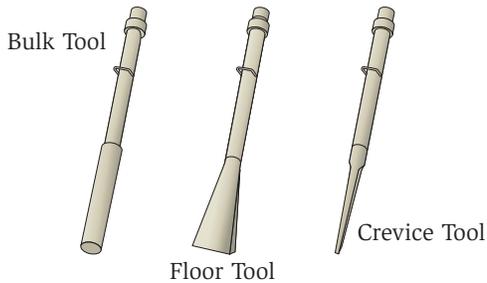
The CCB has two ergonomic adjustable handles, which can be rotated or otherwise repositioned to suit the operator. The standard tool is fitted with a ring that provides stand-off distance from the surface and can be used with or without the wheels, as dictated by the blast surface.

The ELS-CCB-1 is identical to the ELS-CCB-BM-1 shown above but does not include the 6 cuft blast machine.

# THE EASY LOAD COMPONENTS

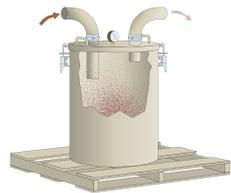
## Pick-up Tools

The standard bulk pick-up tool inserts into the loading hopper or can be used independently for manual abrasive pick up. Two specialized tools are available as options: a flare-shaped tool for vacuuming abrasive from the ground or floor, and a crevice tool, designed for recovering abrasive from corners or cracks.



## Collection Container and Storage Hoppers

Used with systems designed for use with expendable abrasive, the collection container holds 6 cubic feet of spent abrasive destined for disposal.

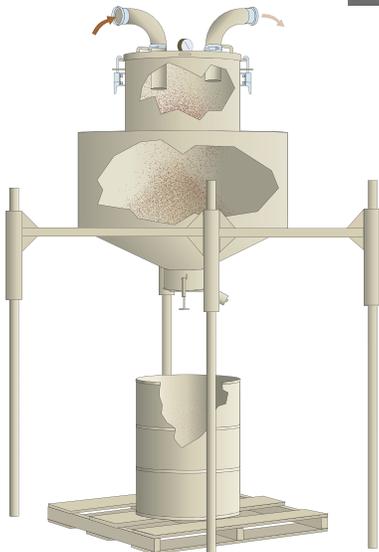


Collection Container

The scope of the job will dictate which size storage hopper is best for the application. Storage hoppers come in two standard sizes: 6 cubic feet capacity, ground level storage, or 17 cubic foot capacity free-standing hopper mounted on adjustable legs (provides 30 to 57 inches of clearance) to be used above a disposal drum or blast machine.



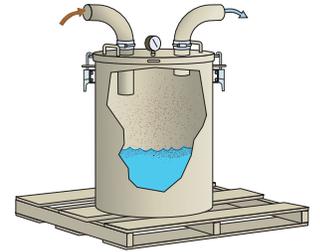
6 cuft Hopper



17 cuft Hopper

## Dust Collection, Wet Dust Drum

Depending upon the available budget or how frequently the system will be used or the outdoor environment where the system will be used, there are two choices in dust collection. The wet dust drum offers the lowest purchase price and is recommended for occasional use. The wet drum features a heavy-duty lid, with gasket, and positive-seal latches.



Wet Dust Drum

## Reverse-Pulse Dust Collector

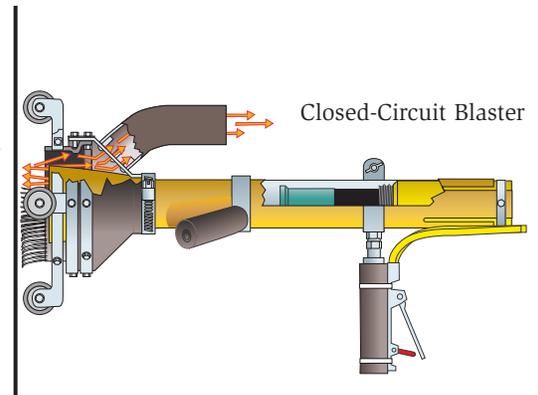


RP Collector

Clemco's reverse-pulse cartridge-style dry dust collector contains dust generated during abrasive recovery or abrasive transfer—protecting workers in the vicinity and the environment. The RP dust collector helps contractors meet state and federally-mandated dust containment requirements. An all-pneumatic cycle timer actuates the pulse cleaning of the cartridge for maximum efficiency under dust-loading conditions. The collector hopper is fitted with a collar for dust-tight attachment of a bag or other dust container. A six-inch diameter manual dump valve rapidly empties the hopper. The RP collector can be fitted with optional HEPA filter for applications or environments sensitive to dust emissions.

## Closed-Circuit Blaster

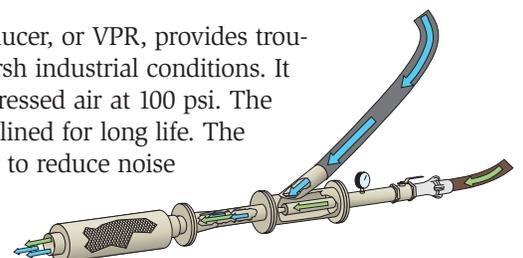
The Clemco closed-circuit blaster, the CCB, puts the blast process in the operator's hands—blasting, containing the dust, and recovery—keeping the blast area clean, and protecting both the operator and the environment. Incorporated into the assembly are a 1/4-inch orifice rubber-jacketed tungsten-carbide-lined nozzle, adjustable handles, and a nylon-bristle short, straight brush which provides a tight seal against the surface. Additional brushes for inside- and outside-corners are also included for jobs involving angle-iron or other objects or structures with corners, edges or other geometries.



Closed-Circuit Blaster

## Vacuum Producer

The Clemco vacuum producer, or VPR, provides trouble-free operation under harsh industrial conditions. It consumes 290-cfm of compressed air at 100 psi. The interior surfaces are rubber-lined for long life. The VPR is fitted with a silencer to reduce noise created by the air stream.



VPR-290

# CLEMCO® EASY LOAD SYSTEMS

## Ordering Information

**For Expendable or Recyclable Abrasives** all Systems include: 290 cfm VPR, 24" blast machine attachment kit, all vacuum and interconnecting hoses.

Model Number	System Stock No.	Bulk Pick-up Tool	Loading Hopper	CCB Tool	Collection Container	Storage Hopper 6 cuft	Storage Hopper 17 cuft	Dust Drum, Wet	Dust Collector RP	Blast Machine 6 cuft	Weight
<b>Component Stock No.</b>		04275	07556	15500	20418	07568	10793	20418	20416	21068	
ELS-1-290	07578	x	x			x		x			800 lbs
ELS-2-290	21079	x	x			x			x		1175 lbs
ELS-3-290	07498	x	x				x	x			980 lbs
ELS-4-290	21080	x	x				x		x		1360 lbs
ELS-CCB-1	11416			x		x			x		1190 lbs
ELS-CCB-BM-1 System also includes: 50 ft coupled blast hose	11418			x		x			x	x	1660 lbs

**For Expendable Abrasives** all Systems include: 290 cfm VPR, 24" blast machine attachment kit, all vacuum and interconnecting hoses.

Model Number	System Stock No.	Bulk Pick-up Tool	Loading Hopper	CCB Tool	Collection Container	Storage Hopper 6 cuft	Storage Hopper 17 cuft	Dust Drum, Wet	Dust Collector RP	Blast Machine 6 cuft	Weight
<b>Component Stock No.</b>		04275	07556	15500	20418	07568	10793	20418	20416	21068	
ELS-5-290	20430	x			x			x			760 lbs
ELS-6-290	20431	x			x				x		1220 lbs

### Easy Load Components

Description	Dimensions	Stock No.	Weight
Loading Hopper with screen and cover	24" wide x 24" deep x 24" high	07556	110 lbs
Storage Hopper, 6 cuft	24" dia. x 46" high w/lid	07568	200lbs
Storage Hopper, 17 cuft	70" wide x 63" deep x 116" high	10793	995 lbs
Collection Container/Wet Drum	24" dia. x 46" high w/lid	20418	140 lbs
Dust Collector, RP	44" wide x 44" deep x 87-1/2" high	20416	600 lbs
Blast Machine (model 2452)	24" dia. x 52" high	21068	465 lbs

### Accessories

Description	Stock No.	Weight
VPR, 290 cfm, with silencer	07585	80 lbs
CCB Tool with TMP-4 nozzle, NHP-2 holder, short straight, inside- and outside-angle brushes	11411	18 lbs
CCB Tool as described for 11411, also with 2" x 50 ft vacuum hose	11412	155 lbs
CCB Tool as described for 11412, also with 1-1/4" x 50 ft blast hose, CQPS-2 coupling	11414	215 lbs
Bulk Pick-up tool, standard	04275	20 lbs
Crevice tool, optional	04271	20 lbs
Floor tool, optional	04273	21 lbs
HEPA Filter for RP Dust Collector	24588	187 lbs
Hopper attachment kit, 24" diameter, blast machine	10289	14 lbs

All collection containers, storage hoppers and dust collection components are engineered for high-vacuum and fabricated of heavy-gauge steel, which can withstand vacuum drawn at up to 27 inches of mercury.

Note: Wet dust drum and collection container are identical; same stock number.

Authorized Distributor:

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