CLEMCO® Easy Load Systems

and Closed Circuit Blaster
Clemco Easy Load Systems eliminate the awkward, back-breaking and potentially injury-causing practice of lifting and maneuvering heavy bags of abrasive. One of five basic flexible system configurations is sure to suit your job site needs.

With an Easy Load, you can:

• Reduce risk of work injury
• Load fresh abrasives
• Recover spent materials for disposal or reuse
• Speed job site clean-up
• Reduce labor costs
• Blast and recover simultaneously for abrasive- or dust-sensitive job sites
Systems for Expendable or Recyclable Abrasives

**ELS-2-290**
*Application: Loading abrasive from a pile or from the loading hopper into a 6 cubic foot storage hopper.*

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**ELS-4-290**
*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.*
**Systems for Expendable Abrasive Disposal**

*ELS-6-290*

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

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**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 brush which provides a tight seal against the surface. Additional brushes for inside- and outside-corners are included for jobs involving angle-iron or other objects or structures with corners, edges or other geometries.

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**Faster Jobsite Clean-up**

A Clemco ELS System with closed-circuit blaster accessory is designed for jobs requiring containment of blast abrasives during the blasting process.
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.

The ELS-CCB system includes the CCB tool, a durable recovery head fitted with a brush that presses against the blast surface. The CCB head assembly comprises a blast nozzle, and vacuum hose, which evacuates dust and the rebounding abrasive following its contact with the blast surface. This tough tool contains the abrasive and keeps the surrounding area clean.

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.

Closed-Circuit Blaster
The Easy Load Components

**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.

**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 option: a flare-shaped tool for vacuuming abrasive from the ground or floor, and a crevice tool, designed for recovering abrasive from corners or cracks.

**Six cu ft Blast Machine**

The ELS-CCB-BM-1 is supplied with a single-chamber blast machine rated at 150 psi working pressure. Model 2452 has 1-1/4 inch piping and holds 6 cubic feet of media (600 lbs mineral abrasive). This unit is equipped with FSV abrasive metering valve and remote controls and can be ordered with any ELS system.
**Collection Container and Storage Hoppers**

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 or 17 cubic feet 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. The 6 cubic feet collection container is for ground-level storage or collecting spent media for disposal.

**Reverse-Pulse Dust 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.
## 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.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>System Stock No.</th>
<th>Bulk Pick-up Tool</th>
<th>Loading Hopper</th>
<th>CCB Tool</th>
<th>Collection Container</th>
<th>Storage Hopper 6 cuft</th>
<th>Storage Hopper 17 cuft</th>
<th>RP Dust Collector</th>
<th>Blast Machine 6 cuft</th>
<th>System Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component Stock No.</td>
<td>04275</td>
<td>07556</td>
<td>11411</td>
<td>20418</td>
<td></td>
<td>07568</td>
<td>10793</td>
<td>20416</td>
<td>21068</td>
<td>1175 lbs</td>
</tr>
<tr>
<td>ELS-2-290</td>
<td>21079</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1360 lbs</td>
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<tr>
<td>ELS-4-290</td>
<td>21080</td>
<td>✓</td>
<td>✓</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>1190 lbs</td>
</tr>
<tr>
<td>ELS-CCB-1</td>
<td>11416</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1660 lbs</td>
</tr>
<tr>
<td>ELS-CCB-BM-1 (System also includes 50 ft coupled blast hose)</td>
<td>11418</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1220 lbs</td>
</tr>
</tbody>
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<th>Blast Machine 6 cuft</th>
<th>System Weight</th>
</tr>
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<tbody>
<tr>
<td>Component Stock No.</td>
<td>04275</td>
<td>07556</td>
<td>11411</td>
<td>20418</td>
<td></td>
<td>07568</td>
<td>10793</td>
<td>20416</td>
<td>21068</td>
<td>1175 lbs</td>
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<tr>
<td>ELS-6-290</td>
<td>20431</td>
<td>✓</td>
<td>✓</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>1220 lbs</td>
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</table>

### Easy Load Components

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

### Accessories

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

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.

**Authorized Distributor:**

**Houston Office:**
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dallas@clemtex.com
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**ISO 9001 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.**

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