**Description**

Field-portable, light-duty, industrial, single-chamber blast machine rated at 125 psi working pressure. Model 1042 holds 1 cubic foot of media (100 lbs expendable, mineral abrasive). This unit is equipped with MSV abrasive metering valve.

**Advantages**

- One-man portable industrial-quality blast machines manufactured to ASME code.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- MSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.

**1 Cuft Classic Blast Machine System**

*with 1/2" piping*

Model 1042 with HP respirator and accessories

---

**TECHNICAL DATA SHEET**

*Note: For safe, efficient blasting, read and follow the owner’s manual and seek training for everyone who will use this equipment.*

**Purpose**

High-performance, versatile blast cleaning system removes contamination, corrosion, mill scale, and coatings from most surfaces. Produces a uniform surface texture, and creates a surface profile to increase bonding for coatings. See related literature for additional applications.

Model 1042 holds 1 cubic foot of abrasive providing 15 minutes of blasting at 80 psi with a No. 4 (1/4-inch) nozzle.

This unit can operate with as little as 12 cfm of air volume.

**Requirements for Operation**

These items are required but not included with this equipment:

- Clean, dry, compressed air of sufficient volume to maintain desired pressure at the nozzle. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum 12 cfm at 50 psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically manufactured for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

**Description of Operation**

The operator controls blasting from a remote control handle at the nozzle. Pressing the handle starts blasting; releasing it stops blasting. The blast machine contains abrasive and meters it into the compressed air stream.

**Approvals and Certifications**

Blast machine pressure vessel built to American Society of Mechanical Engineers (ASME) specifications for 125-psi working pressure. Vessel is hydrostatically tested and National Board-certified.

Remote control system complies with OSHA regulation 1910.244 (b).
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Stock No.</th>
<th>Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without remotes</td>
<td>21052</td>
<td>110</td>
</tr>
<tr>
<td>Includes MSV 1/2&quot; abrasive metering valve</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With TLR50 Remote Controls &amp; MSV</td>
<td>21053</td>
<td>130</td>
</tr>
<tr>
<td>Systems</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1042-50-AA w/ LP respirator</td>
<td>23891</td>
<td>205</td>
</tr>
<tr>
<td>Includes: Blast machine 21053, Apollo 20 LP DLX (for use with ambient air) Respirator with Constant Flow Connector, 50 ft. respirator hose, and Accessory Package</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1042-50-CA w/ HP respirator</td>
<td>01039</td>
<td>205</td>
</tr>
<tr>
<td>Includes: Blast machine 21053, Apollo 20 HP DLX (for use with compressed air) Respirator with Constant Flow Connector, 25 ft. respirator hose, CPF 20 breathing-air filter, and Accessory Package</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Authorized Distributor:

---

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

© 2014 Clemco Industries Corp. • One Cable Car Drive • Washington, MO 63090 • Phone (636) 239-4300 • Fax (800) 726-7559

Stock No. 24187