



# CLEMCO®

...the performance system.

## 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](http://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

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.

# 1 Cuft Classic Blast Machine System with 1/2" piping



*Model 1042 with  
HP respirator and  
accessories*

### 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.

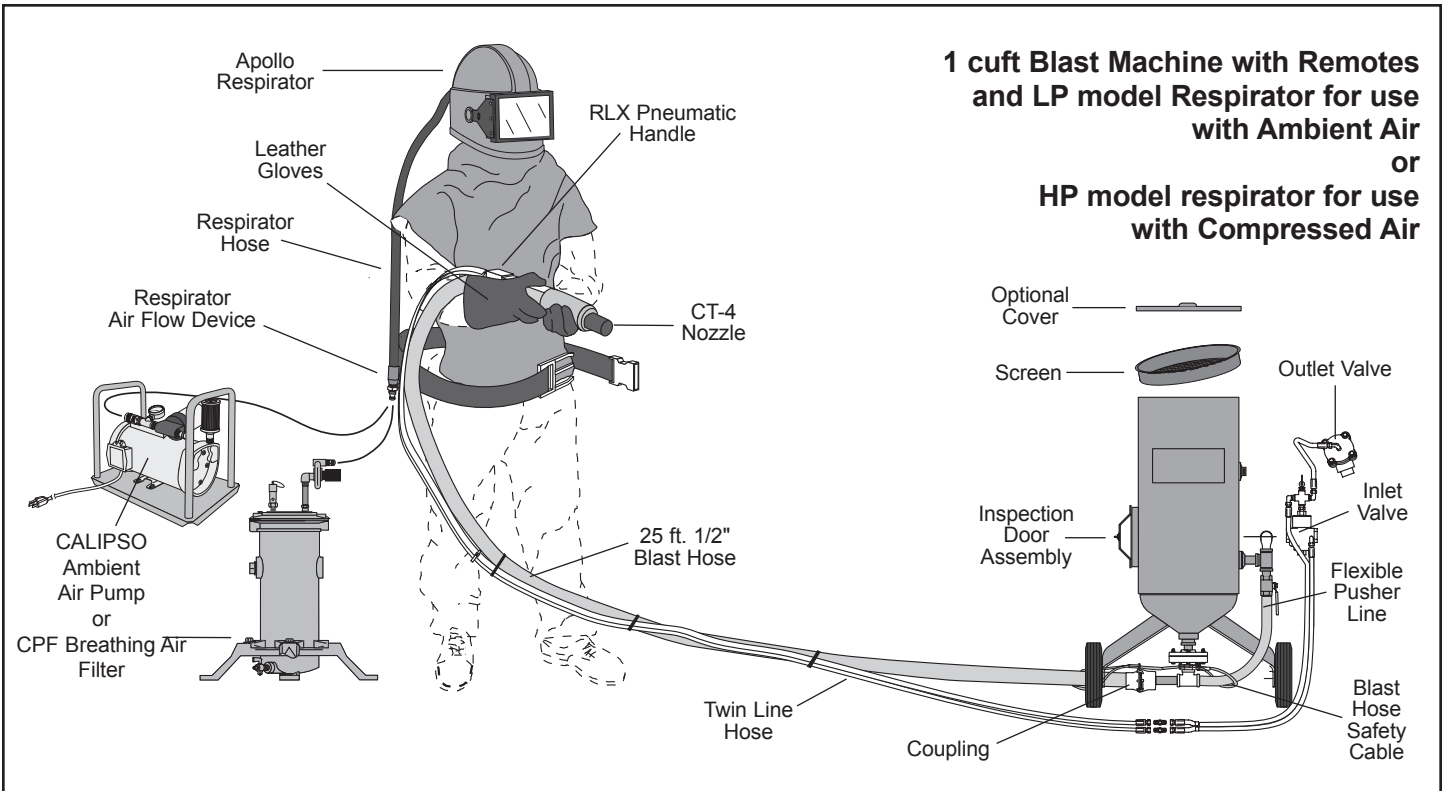
### Approvals and Certifications

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).

### 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.



**Model 1042: 1 cuft Blast Machine, Classic with 1/2" piping, 125 psi working pressure**

Item Description	Stock No.	Wt
<b>Without remotes</b> .....	<b>21052</b>	110
Includes MSV 1/2" abrasive metering valve		
<b>With TLR50 Remote Controls &amp; MSV</b> .....	<b>21053</b>	130
<b>Systems</b>		
<b>1042-50-AA w/LP respirator</b> .....	<b>23891</b>	205
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		
<b>1042-50-CA w/HP respirator</b> .....	<b>01039</b>	205
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		

Authorized Distributor:

Item Description	Stock No.	Wt
<b>Accessory Package</b>		
1/2" Air filter w/ manual drain.....	01308	
25 ft. x 1/2" ID blast hose coupled with CHE-1/2 aluminum nozzle holder and CQA-1/2 aluminum quick coupling .....	01268	
Blast hose safety cable .....	15012	
CT-4 blast nozzle .....	01353	
Blast machine screen, 10".....	03362	
Leather gloves, 1 pair .....	02243	.5
Helmet outer lenses, pk of 25 .....	21411	
CQG coupling gaskets, pk of 10 .....	00850	
NW-1 nozzle washers, pk of 10.....	21580	
Outlet valve diaphragms (3).....	02511	
<b>Options/Accessories</b>		
Steel blast machine cover, 10" .....	03107	3
Carbon monoxide alarm, CMS-3 pkg..	24612	4
Ambient Air Pump		
CALIPSO, sgl operator .....	25908	73
CAP-4, 4 operators w/ frame.....	22530	175
with 2 wheel cart .....	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		5
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		3
<b>Operation Manuals</b>		
1042 without remotes .....	04124	
TLR50 Remotes.....	03358	

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