



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).
- 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.

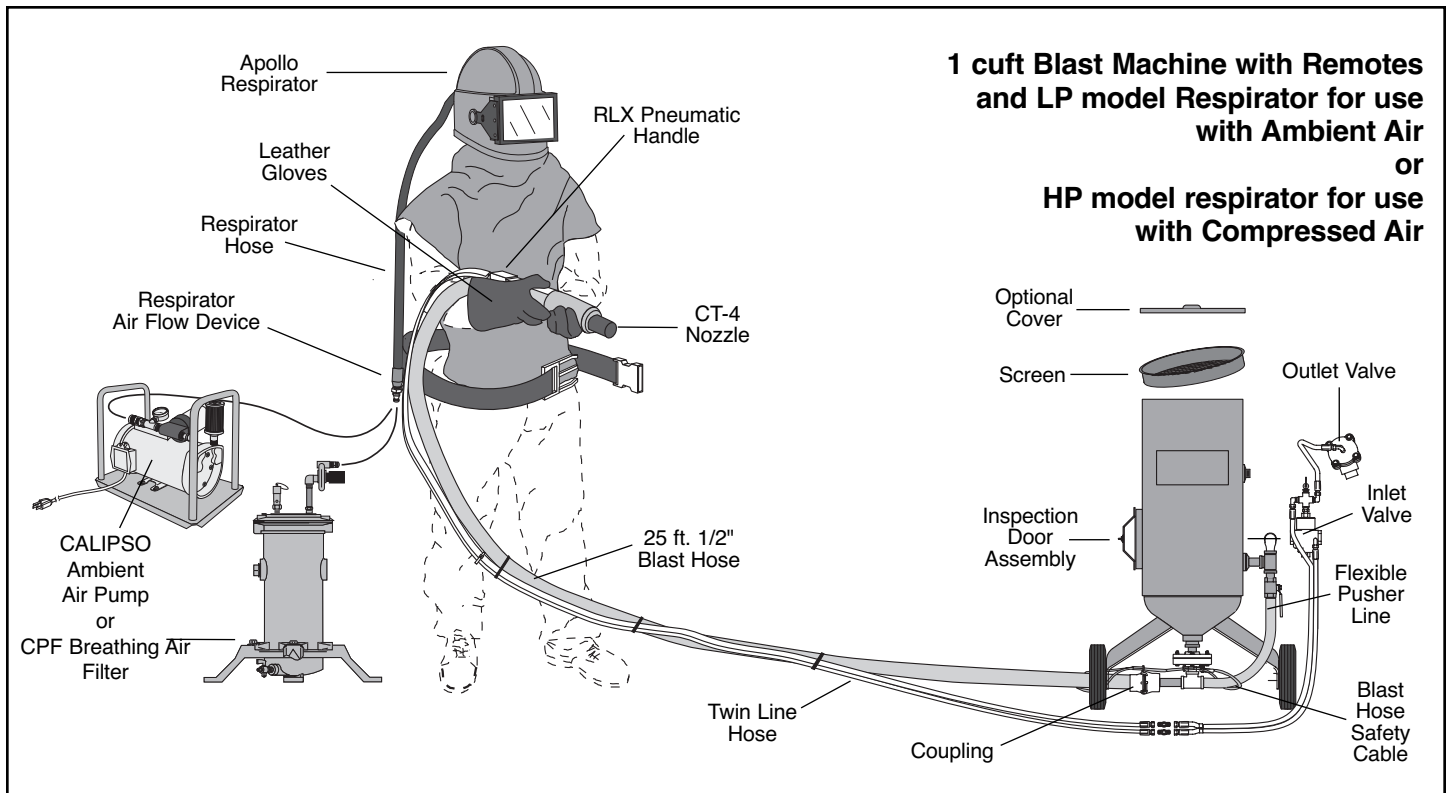
Approvals and Certifications

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.



**1 cuft Blast Machine with Remotes
and LP model Respirator for use
with Ambient Air
or
HP model respirator for use
with Compressed Air**

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

Item Description	Stock No.	Wt
Without remotes	21052	110
Includes MSV 1/2" abrasive metering valve		
With TLR50 Remote Controls & MSV	21053	130
Systems		
1042-50-AA w/LP respirator	23891	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		
1042-50-CA w/HP respirator	01039	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
Accessory Package		
Complete accessory package	27410	20
1/2" Air filter w/ manual drain	01308	2
25 ft. x 1/2" ID blast hose coupled with CHE-1/2 aluminum nozzle holder and CQA-1/2 aluminum quick coupling	01268	12
Blast hose safety cable	15012	.5
CT-4 blast nozzle	01353	.5
Blast machine screen, 10"	03362	4
Leather gloves, 1 pair	02243	.5
Helmet outer lenses, pk of 25	21411	1
CQG coupling gaskets, pk of 10	00850	<.5
NW-1 nozzle washers, pk of 10	21580	<.5
Outlet valve diaphragms (3)	02511	1
Nylon tie (8included) (ea.)	02195	<.5
Options/Accessories		
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)		4.5 (avg.)
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		3 (avg.)
Operation Manuals		
1042 without remotes	04124	
TLR50 Remotes	03358	

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