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# 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.

Model 1648 holds 3 cubic feet of abrasive providing 15 minutes of blasting at 100 psi with a No. 6 (3/8-inch) nozzle.

### 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 of 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, medium-duty, industrial, single-chamber blast machine rated at 150 psi working pressure. Model 1648 has 1-1/4 inch piping and holds 3 cubic feet of media (300 lbs expendable, mineral abrasive). This unit is equipped with FSV abrasive metering valve and remote controls. Complete system includes coupled hose, nozzle, supplied air respirator, and many accessories.

# 3 Cuft Classic Blast Machine Systems



### 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

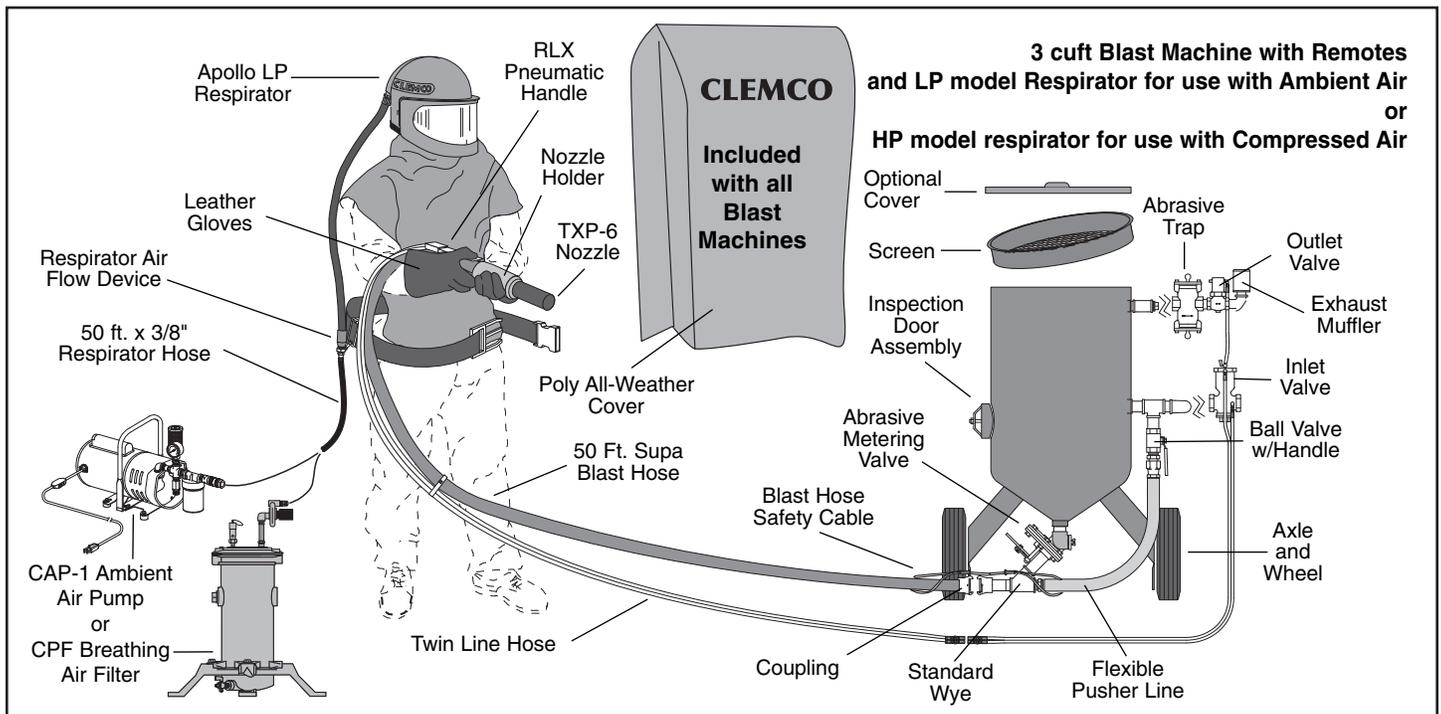
Clemco's quality management system is ISO 9001-2000 certified.

Blast machine pressure vessel built to American Society of Mechanical Engineers (ASME) specifications for 150-psi working pressure. Vessel is hydrostatically tested and National Board-certified.

Remote control system complies with OSHA regulation 1910.244 (b).

### Advantages

- Field-portable, industrial-quality blast machine manufactured to ASME code.
- 1-1/4-inch piping allows up to 50 percent more air flow when compared with 1-inch piping.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- FSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.



**Model 1648: 3 cuft Blast Machine, Classic with 1-1/4" piping; 150 psi working pressure**

Item Description	Stock No.	Wt.
<b>Without remotes:</b>		
<b>with FSV abrasive metering valve</b>		
portable .....	01181	330
stationary .....	01180	330
<b>With TLR 300 remotes:</b>		
<b>and FSV abrasive metering valve</b>		
portable .....	01179	335
<b>and Manual Quantum metering valve</b>		
portable .....	23767	325
<b>and Sentinel abrasive metering valve with ACS (abrasive cut-off switch)</b>		
portable .....	21062	345
stationary .....	21066	345
<b>Systems</b>		
<b>1648-300-CA .....</b>	<b>11260</b>	<b>475</b>
Includes: 1-1/4" piping, Blast machine 01178, Apollo 600 HP DLX (for use with compressed air) respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
<b>1648-ACS-CA .....</b>	<b>23909</b>	<b>485</b>
Includes: 1-1/4" piping, Blast machine 21062, Apollo 600 HP DLX respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
<b>1648-300-AA .....</b>	<b>23894</b>	<b>475</b>
Includes: 1-1/4" piping, Blast machine 01178, Apollo 600 LP DLX (for use with ambient air) respirator with Constant Flow Connector (CFC), 50 ft. respirator hose, and Accessory Package		

Item Description	Stock No.	Wt
<b>Accessory Package</b>		
1-1/2" Air filter w/ manual drain .....	22363	
50 ft. x 1-1/4" Supa hose w/ NHP-2 and CQPS-2 .....	23481	42
Blast hose safety cable .....	15013	1.5
TXP-6 nozzle .....	23525	
Blast machine screen, 16" .....	03099	
Poly all-weather cover .....	15143	
Leather gloves, 1 pair .....	02243	.5
Nylon ties, 8 ea. ....	02195	
CQGP-3 gaskets, pk of 10 .....	08853	.5
NW-32 nozzle washers, pk of 10 ....	91026	<.5
Abrasive trap screens, (6) .....	02012	<.5
Helmet outer lenses, pk of 25 .....	04361	1
<b>Options/Accessories</b>		
Blast machine cover, 16" .....	02335	6
Metering valve, manual Quantum ..	22845	9
Carbon monoxide alarm, CMS-2.....	22894	9
<b>Ambient Air Pumps</b>		
CAP-1, sgl operator .....	22383	65
CAP-4, 4 operators w/ frame.....	22530	175
CAP-4C, 4 operators w/ cart .....	22384	205
<b>Blast suit, heavy cotton/leather</b>		
S (08920), M (08921), L (08922), XL (08923) XXL (24201), XXXL (24202)		
<b>Blast suit, seasonal cotton/nylon</b>		
S (22913), M (22914), L (22915), XL (22916), XXL (22917), XXXL (25022)		
<b>Manuals</b>		
Blast Machine without Remotes .....	06160	
Blast Machine with TLR300 Remotes.....	22501	
TLR300 with ACS .....	21260	
Sentinel Valve .....	20951	

ISO 9001:2000 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.