



# 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-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 with 1" Piping



*Model 1648 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.

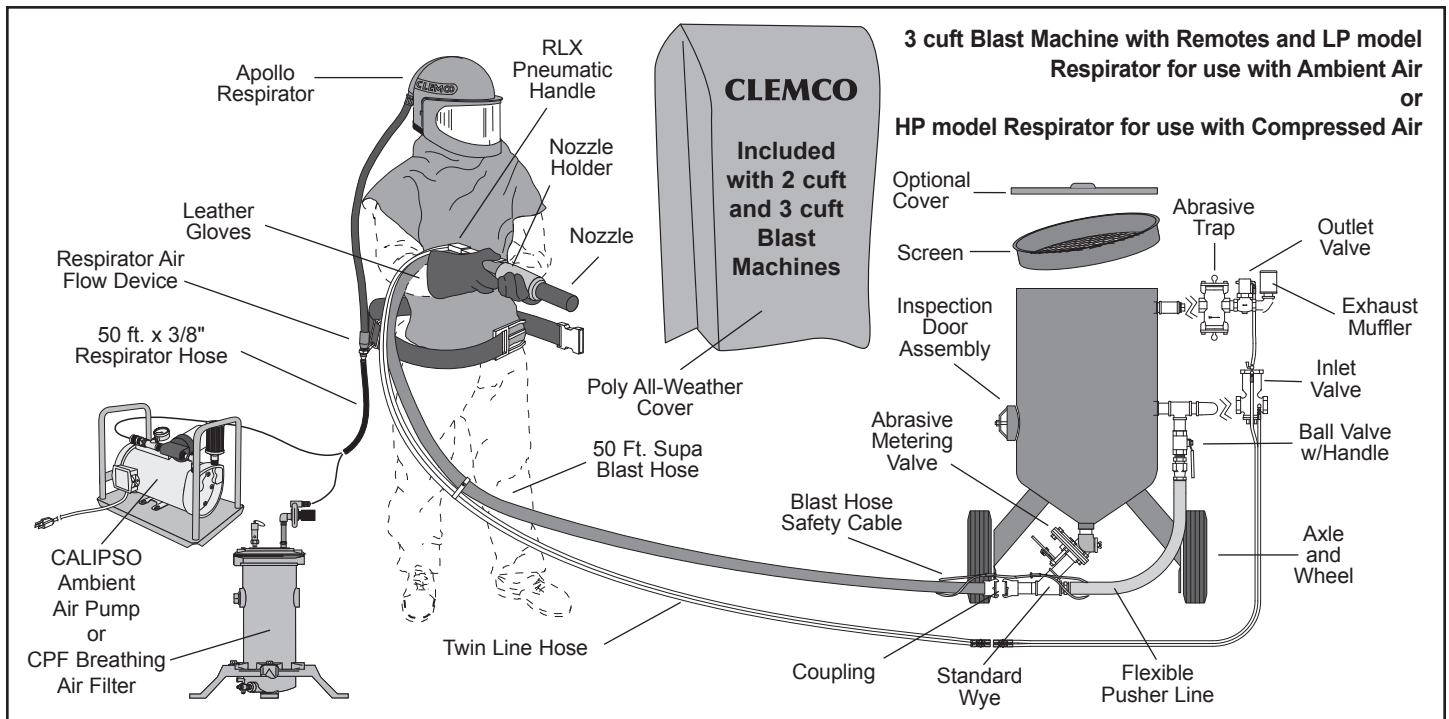
### Approvals and Certifications

Blast machine pressure vessel built to American Society of Mechanical Engineers (ASME) specifications for 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.
- 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\"**

Item Description	Stock No.	Wt.
<b>Without remotes:</b>		
<b>with FSV abrasive metering valve</b>		
portable .....	00884	325
stationary .....	00882	325
<b>With TLR 100 remotes:</b>		
<b>and FSV abrasive metering valve</b>		
portable .....	01178	330
<b>and Manual Quantum metering valve</b>		
portable .....	23766	325
<b>and Sentinel abrasive metering valve with ACS (abrasive cut-off switch)</b>		
portable .....	21061	340
stationary .....	21064	340
<b>Systems</b>		
<b>1648-100-CA</b> .....	00912	435
Includes: 1\"		
<b>1648-ACS-CA</b> .....	23908	435
Includes: 1\"		
<b>1648-100-AA</b> .....	23893	435
Includes: 1\"		

Item Description	Stock No.	Wt
<b>Accessory Package</b>		
Complete accessory package .....	24194	
1\"	22424	3
50 ft. x 1\"		
and CQPS-1 .....	23480	30
Blast hose safety cable .....	15013	1.5
TMP-5 nozzle .....	23521	1.5
Blast machine screen, 16\"	03099	6
Poly all-weather cover .....	15097	2
Leather gloves, 1 pair .....	02243	.5
Nylon ties, 8 ea. ....	02195	<.5
Coupling gaskets, pk of 10 .....	21584	.5
NW-25 nozzle washers, pk of 10 .....	91024	<.5
Abrasive trap screens, (6) .....	02012	<.5
Helmet outer lenses, pk of 25 .....	04361	1
Helmet Int. lenses, pk of 25 .....	24373	2
<b>Options/Accessories</b>		
Blast machine cover, 16\"	02335	6
Metering valve, manual Quantum .....	22845	9
Carbon monoxide alarm, CMS-3 pkg .....	24612	4
<b>Ambient Air Pumps</b>		
CALIPSO, sgl operator .....	25908	73
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),		
2XL (24201), 3XL (24202)		4.5 (avg.)
<b>Blast suit, seasonal cotton/nylon</b>		
S (22913), M (22914), L (22915), XL (22916),		
2XL (22917), 3XL (25022), 4XL (24689)		3 (avg.)
<b>Operation Manuals</b>		
Blast Machine without Remotes .....	06160	
Blast Machine with		
TLR300 Remotes .....	22501	
TLR300 with ACS .....	21260	
Sentinel Valve .....	20951	

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