

Clemco Blast Machine

4 cu ft Contractor

Description

Field portable, high-production, single chamber blast machine, rated at 150psi, (for one operator). Holds 4 cubic feet of blast media. Equipped with Millennium pneumatic remote controls, and Quantum manual metering valve.

Purpose

High-performance blast cleaning system removes 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. Machine holds 4 cubic feet of abrasive for up to 30 minutes of continuous blasting at 100psi with standard No. 5 nozzle (5/16" orifice).

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. See Air Consumption Chart in Blast Off 2 booklet.
- Maximum working pressure 150psi
- Minimum pressure 30psi needed to operate OSHA-required remote control valves
- NIOSH-approved supplied-air respirator
- Grade D breathing-air supply as defined by the Compressed Gas Association Commodity Specification: G-7.1 (www.cganet.com)
- Blast suit and work boots
- Abrasive blast media - consult abrasive supplier for appropriate media for your application.

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.



Advantages

- Rated for 150psi working pressure
- 1-1/2" Millennium valve provides unrestricted air flow
- Quantum metering valve maintains smooth, consistent flow; adjustment knob allows precise control of media flow
- 1-1/4" piping allows up to 50 percent increase in air flow; when compared to 1" piping
- 29" width fits through standard doorways
- Four-wheel integral cart for ease of moving
- Robust handles act as skid for loading machine into pickup or trailer and protect valves and piping from damage
- Central hookup point for blast hose and remote controls
- Weather-resistant storage area holds manuals, paperwork and small parts

Approvals and Certifications

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

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

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Options & Accessories

- Blast machine cover, 20"
- Blast machine screen, 20"
- Supa blast hose, 1" x 50ft, coupled with nozzle holder, NHP-1 and coupling, CQPS-1
- TMP-5 nozzle
- 1-1/2" air filter/moisture separator w/manual drain
- CPF-20 air filter w/pressure regulator & gauge
- Blast hose safety cable
- Apollo 600 HP DLX respirator with Clem-Cool air conditioner and 50ft x 3/8" respirator hose
- Carbon monoxide alarm, CMS-3 pkg
- Heavy cotton/leather blast suit
S, M, L, XL, 2XL, 3XL
- Seasonal cotton/nylon blast suit
S, M, L, XL, 2XL, 3XL, 4XL
- Leather gloves

Nominal Dimensions

	Unit Size	Shipping Size Includes Skid
Height (floor to highest point)	49"	54"
Width (outside hub to hub)	29"	35"
Length (hose coupling to handle)	46"	48"
Machine diameter	20"	
Net weight	382lb	
Shipping Volume	52.5 cu ft	
Shipping Weight	454lb	

Included Accessories

1	4 cu ft contractor blast machine
2	1-1/2" Millennium valve
3	Quantum abrasive metering valve
4	Abrasive trap
(-)	RLX pneumatic handle
(-)	50ft twinline hose

