



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 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 100 psi with standard No. 5 nozzle ($5/16$ -inch 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 150 psi
- Minimum pressure 30 psi 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.

Description

Field portable, high-production, single chamber blast machine, rated at 150 psi, (for one operator). Holds 4 cubic feet of blast media. Equipped with Millennium pneumatic remote controls, Quantum manual metering valve, and CPF-20 air filter.

4 Cu Ft Contractor Blast Machine with CPF Filter

Stock No. 21545



Advantages

- Rated for 150-psi working pressure
- 1½-inch Millennium valve provides unrestricted air flow
- Quantum metering valve maintains smooth, consistent flow; adjustment knob allows precise control of media flow
- 1¼-inch piping allows up to 50 percent increase in air flow, when compared to 1-inch piping and hose
- 29-inch width fits through standard doorways
- CPF-20 breathing air filter, installed
- 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 150-psi working pressure. Vessel is hydrostatically tested and National Board certified.

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

Related Clemco Literature

Description	Stock No.
Contractor Series Catalog	21385
Abrasive Blasting Safety Practices	22090
Blast Off 2	09294
Contractor Blast Machine Owner's Manual	21941
CPF Filter Owner's Manual	04143

Options & Accessories

Description	Stock No.
Blast machine cover, 20"	20358
Blast machine screen, 20"	20357
Supa blast hose, 1" x 50 ft, coupled w/ NHP-1 & CQPS-1	23480
TMP-5 Nozzle	23521
1 1/2" air filter/moisture separator w/manual drain	22363
Blast hose safety cable	15013
Apollo 60 HP respirator with Cool Air Tube and 50 ft of hose	10511
Carbon monoxide alarm, CMS-2	22894

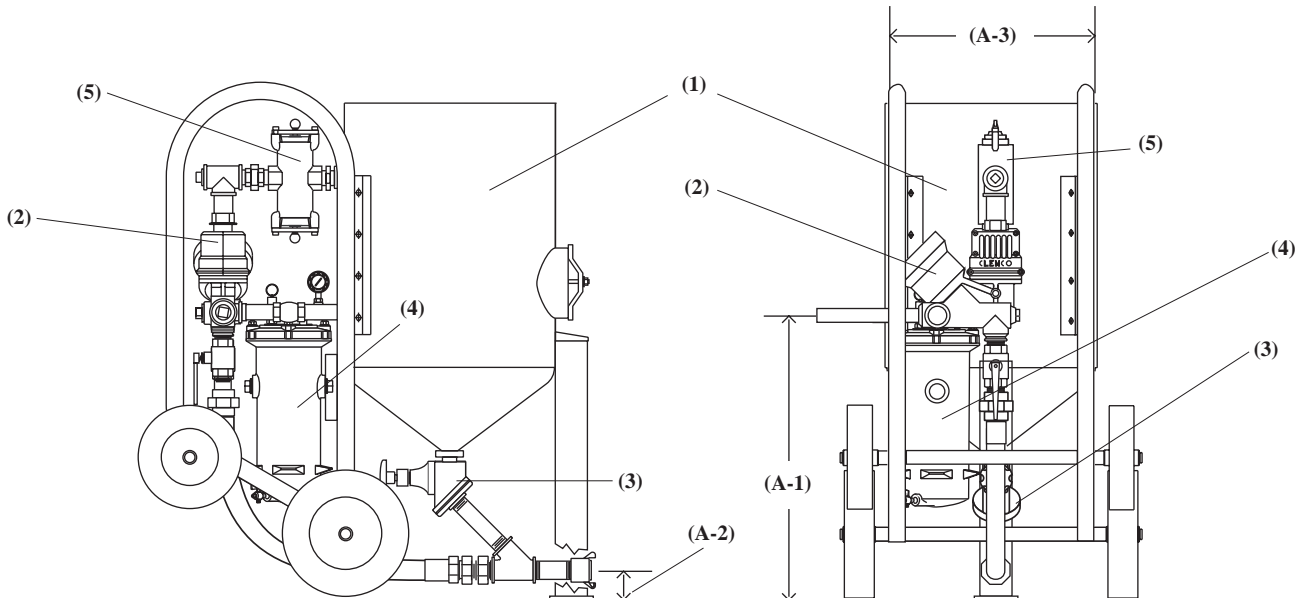
Heavy cotton/leather blast suit	S (08920), M (08921), L (08922), XL (08923)
Seasonal cotton/nylon blast suit	M (22914), L (22915), XL (22916), XXL (22917)
Leather gloves	02243

Included with Stock No. 21545

Item	Description	Stock No.
1.	4 cu ft contractor blast machine	21505
2.	1 1/2" Millennium valve	21336
3.	Quantum abrasive metering valve	22845
4.	CPF-20 air filter w/ pressure regulator & gauge ..	03578
5.	Abrasive trap	02011
(-)	RLX pneumatic handle	10565
(-)	50 ft twinline hose	01951

Installation Dimensions

A-1 - Floor to center of inlet pipe	27 ³ / ₈ "
A-2 - Floor to center of hose coupling	3 ⁵ / ₈ "
A-3 - Width - outside handles	20 ¹ / ₈ "



Nominal Dimensions	Unit	Shipping (including skid)
Height (floor to highest point):	49"	54"
Width (outside hub to hub):	29"	35"
Length (hose cplg. to handle):	47 ³ / ₄ "	48"
Machine diameter:	20"	
Net weight:	401 lb	
Shipping Volume:		52.5 cu ft
Shipping Weight:		473 lb

Packaging

Secured on skid and shrink wrapped

Color

Green

Authorized Distributor:

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

© 2004 Clemco Industries Corp. • One Cable Car Drive • Washington, MO 63090 • Phone (636) 239-4300 • Fax (636) 239-0788

Stock No. 21950

www.clemcoindustries.com

Job No. 1195-1295 • Date of Issue: 06/98 Rev. B: 08/04