



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 2 cubic feet of abrasive for up to 30 minutes of continuous blasting at 100 psi with standard No. 4 nozzle (1/4-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.
- Minimum 30 psi needed to operate OSHA-required remote control valves
- NIOSH-approved supplied-air respirator
- Blast suit and work boots
- Abrasive blast media - consult abrasive supplier for appropriate media for your application
- Grade D breathing-air supply as defined by the Compressed Gas Association Commodity Specification: G-7.1 (www.cganet.com)

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 2 cubic feet of blast media. Equipped with Millennium pneumatic remote controls, Quantum manual metering valve, and CPF air filter.

2 Cu Ft Contractor Blast Machine with CPF Filter

Stock No. 21544



Advantages

- Rated for 150-psi maximum working pressure
- 1 1/2-inch Millennium valve provides unrestricted air flow
- Quantum metering valve maintains smooth, consistent flow; adjustment knob allows precise control of media flow
- 29-inch width fits through standard doorways
- CPF-20 breathing air filter, installed on models 21544 and 21547
- Two-wheel integrated cart for ease of moving
- Robust handles act as skid for loading machine into pickup or trailer and to protect valves and piping from damage
- Central hookup point for blast hose and remote controls
- High-efficiency moisture separator helps keep abrasive dry
- 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

Contractor Series Catalog	21385
Abrasive Blasting Safety Practices	22090
Blast Off 2	09294
Contractor Blast Machine Owner's Manual	21939
CPF filter Owner's Manual	04143

Options & Accessories

Description

Blast machine cover, 16"	02335
Blast machine screen, 16"	03099
Supa blast hose, 1" x 50 ft, coupled w/NHP-1 & CQPS-1	23480
TMP-4 nozzle	23520
1" air filter/moisture separator w/manual drain	22424
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)	

Stock No.

Seasonal cotton/nylon

blast suit.... M (22914), L (22915), XL (22916), XXL (22917)

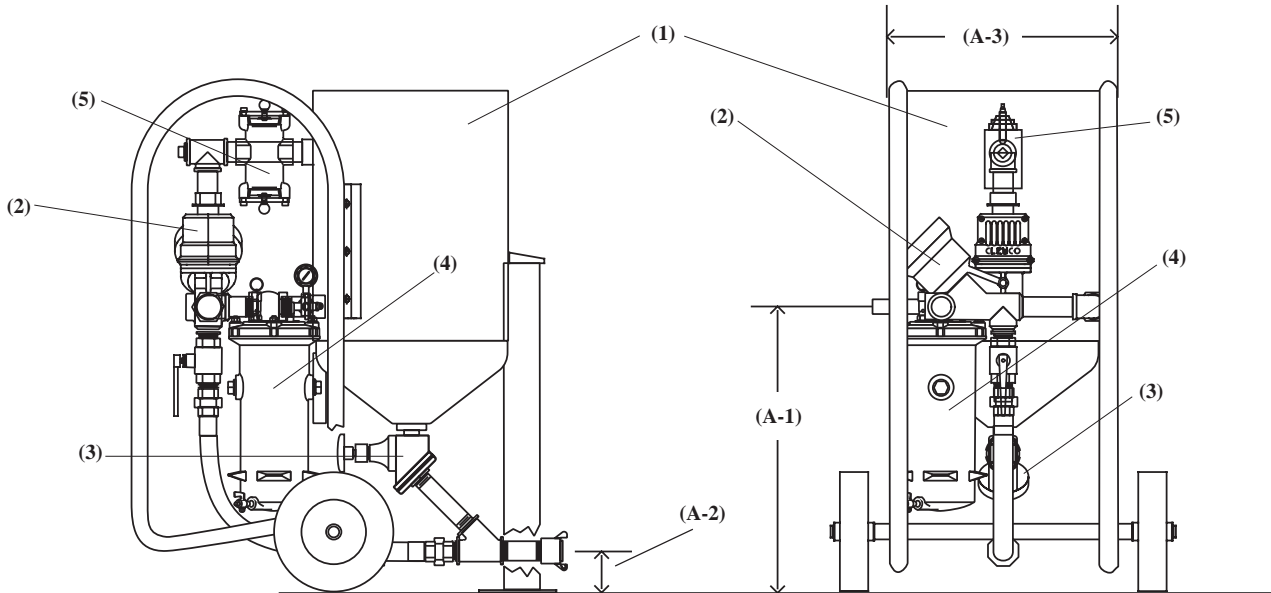
Leather gloves 02243

Included with Stock No. 21544

Item	Description	Stock No.
1.	2 cu ft contractor blast machine	21490
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	24 ³ / ₈ "
A-2 - Floor to center of hose coupling	3 ¹ / ₄ "
A-3 - Width - outside handles	19 ¹ / ₄ "



Nominal Dimensions

	Unit	Shipping (including skid)
Height (floor to highest point):	44"	49"
Width (outside hub to hub):	28 ³ / ₄ "	35"
Length (hose cplg. to handle):	39"	40"
Machine diameter:	16"	
Net weight:	258 lb	
Shipping Volume:		39.7 cu ft
Shipping Weight:	326 lb	342 lb

Packaging

Secured on skid and shrink wrapped

Authorized Distributor:

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

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Stock No. 21949

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