



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 6 cubic feet of abrasive for up to 30 minutes of continuous blasting at 100 psi with standard No. 6 nozzle (3/8-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
- Blast suit and work boots
- Abrasive blast media - consult abrasive supplier for appropriate media for your application
- Compressed air source capable of delivering 20 cfm (at 90 to 100 psi) of Grade D breathing-air 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 system, rated at 150 psi, for one operator. Holds 6 cubic feet of blast media. Equipped with Millennium pneumatic remote controls. Components listed on next page.



Contractor System Accessories



Operator Safety Equipment

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
- 1-1/4-inch piping allows up to 50 percent increase in air flow, when compared to standard 1-inch piping
- 29-inch width fits through standard doorways with moisture separator removed
- CPF-20 breathing air filter, installed
- Four-wheel integrated 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
- High-efficiency moisture separator helps keep abrasive dry
- Weather-resistant storage area holds manuals, paperwork and small parts
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.

Contractor System 2006 CA with Apollo 600 HP Respirator

Stock No. 21549



6 cu ft Contractor Blast Machine with CPF-20 Air Filter Installed

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.

Apollo 600 helmet is NIOSH-approved type-CE air fed respirator and is recognized by OSHA as having an assigned protection factor (APF) against lead dust of 1000 times the permissible exposure limit (PEL).

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

NOTE: Prior to use, ensure that Apollo, type-CE, continuous-flow, supplied-air respirator is appropriate for your specific blasting conditions and requirements.

Description

Options and Accessories

Carbon monoxide alarm, CMS-2.....22894

A detailed line drawing of a firefighter in a full protective ensemble. The firefighter is wearing a helmet with a 'PULMONO' label (9), a large clear visor (13), and a hood. They are holding a tool (5) with a handle (12). A large air cylinder is mounted on their back (10), connected by a hose (15) to a breathing apparatus (4). A shoulder strap (16) is also visible. The suit is shown with dashed lines indicating its full coverage.

65"
35"
52"

68.5 cuft
680 lbs

Item	Description
------	-------------

Job No. 1195-1295 • Rev. D: 06/09

System Components and Options

CONTRACTOR SYSTEMS		Contractor Blast Machine Systems with Apollo HP Respirator			Contractor Blast Machine Systems with Apollo LP Respirator		
Model	2016 CA	2020 CA	2024 CA	2016 AA	2020 AA	2024 AA	
Machine Diameter	16 inches	20 inches	24 inches	16 inches	20 inches	24 inches	
Machine Capacities - Volume in Cu Ft and Lbs of Mineral Abrasive	2 200	4 400	6 600	2 200	4 400	6 600	
System Stock No.	21547	21548	21549	21840	21841	21842	
System Weight	450	550	685	430	530	665	
Note: All Contractor Machines include Millennium Remote Controls with RLX Handle and Quantum Abrasive Metering Valve.							
Blast Machine with CPF Filter	21544	21545	21546				
Blast Machine w/o CPF Filter				21490	21505	21610	
Contractor Systems are equipped with the following:							
Quantum Metering Valve	22845	22845	22845	22845	22845	22845	
Abrasive Trap	02011	02011	02011	02011	02011	02011	
RLX Handle Assembly	10565	10565	10565	10565	10565	10565	
Blast Nozzle	TMP-4 23520	TMP-5 23521	TXP-6 23525	TMP-4 23520	TMP-5 23521	TXP-6 23525	
Blast Hose, SUPA, 50 ft, coupled	1-inch ID 23480	1-inch ID 23480	1-1/4-inch ID 23481	1-inch ID 23480	1-inch ID 23480	1-1/4-inch ID 23481	
Nozzle Holder	NHP-1 04106	NHP-1 04106	NHP-2 04127	NHP-1 04106	NHP-1 04106	NHP-2 04127	
Coupling	CQPS-1 21088	CQPS-1 21088	CQPS-2 08413	CQPS-1 21088	CQPS-1 21088	CQPS-2 08413	
Air Filter with Manual Drain	1-inch 22424	1-1/2 inch 22363	1-1/2 inch 22363	1-inch 22424	1-1/2 inch 22363	1-1/2 inch 22363	
Safety Cable	15013	15013	15013	15013	15013	15013	
Coupling Gaskets, 10-pk	21584	21584	08853	21584	21584	08853	
Nozzle Washers, 10-pk	91024	91024	91026	91024	91024	91026	
Abrasive Trap Screen, 6, shown each	02012	02012	02012	02012	02012	02012	
Nylon Tie, 8, shown each	02195	02195	02195	02195	02195	02195	
Poly All-weather Cover	15097	15143	15143	15097	15143	15143	
Blast Machine Screen	03099	20357	03100	03099	20357	03100	
Apollo 600 with DLX Suspension	25194	25194	25194	25195	25195	25195	
Apollo Respirator Hose, 50 ft.	04415	04415	04415	22510	22510	22510	
CPF-20 Breathing-Air Filter without Base Bracket	22540	22540	22540	Not incl.	Not incl.	Not incl.	
Apollo Lenses - outer, 25-pk	04361	04361	04361	04361	04361	04361	
Apollo lenses - intermediate, 10-pk	24943	24943	24943	24943	24943	24943	
Leather Gloves	02243	02243	02243	02243	02243	02243	
OPTIONAL ITEMS							
Blast Machine Steel Cover	02335	20358	02336	02335	20358	02336	
Carbon Monoxide Monitor/Alarm, CMS-3 Pkg	24612		For Use with ALL Apollo Respirator Models				
Ambient Air Pump, Single-Operator, CALIPSO	25908		For Use with Apollo LP Respirators Only				
Ambient Air Pump, 4-Operator, CAP-4	22530		For Use with Apollo LP Respirators Only				
Ambient Air Pump with Integral Cart, 4-Operator, CAP-4C	22384		For Use with Apollo LP Respirators Only				
Contractor Machines with Millennium Remote Control Options (Factory-Installed)							
	Electric		Abrasive Cut-Off			Pressure-Hold	
	12 Volts	120 Volts	Pneumatic	12 Volts	120 Volts	Pneumatic	E-12 Volts E-120 Volts
4 cu ft	21509	21538	22554	22541	22543	22545	22547 22549
6 cu ft	21543	21606	22555	22542	22544	22546	22548 22550
Field-Installed Millennium Remote Control Options							
	Converting to Electric		Adding Abrasive Cut-off				
4 cu ft	21678	21679	22551				
6 cu ft	21678	21679	22551				