**CLEMCO**<sup>®</sup> Contractor Series Abrasive Blast Machines



Abrasive Blast Cleaning

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## Durability — Designed to Last, Built to Last

Clemco manufactures your Contractor Blast Machine to stand up to years of field use.

The ASME-certified welders at Clemco's plant in Washington, MO have an average of 10 years experience. Using computer-controlled equipment, these craftsmen lay down smooth, continuous welds along every seam, SO the pressure vessel is durable and leak-proof.



The plate steel walls and the spun steel cone

and head meet ASME standards.



# **Contractor Blast Mac**

## **Exclusively from Clemco Industries Corp.**

our Contractor Blast Machine comes mounted on an ergonomic cart made from heavyduty steel tubing. This built-in cart makes it easy to move your blast machine — both at the blast site and onto or off your pickup or trailer.

The cart's handles form a cage that protects the components most likely to be damaged —remote control valves, piping, CPF breathing air filter.

On four-cubic-foot and six-cubic-foot models, large rear tires and smaller front tires make moving your Contractor Blast Machine a breeze. The free wheeling tires roll easily over minor surface irregularities and the cart safely supports the weight to eliminate the strain on your back.

On the lighter two-cubic-foot model, two wheels are provided.



# chine Systems

All Contractor Blast Machines are rated for 150 psi working pressure meeting the demands of high productivity of commercial and industrial jobs.

Higher pressure can safely increase your production rate. Your Contractor Blast Machine is ASME-certified, which is your assurance that the pressure vessel will stand up to years of high-production blasting.

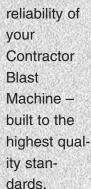


The steel handles double as skids to allow you to pull the blast machine into the truck bed and leave it horizontal, resting on the handles, to reduce your truck's center of gravity

## Contractor Series — Your Key to Efficiency

The Contractor Series concept represents Clemco's commitment to keeping you, the contractor, operating safely and at peak efficiency.

With that in mind, the Contractor Series product line includes safety equipment, nozzles, holders, couplings, and hoses to complement the performance and









## Quality — Our Promise: a Well-made Machine

During final assembly, Clemco employees test each component — then double check the entire blast machine for leaks, remote control operation, and overall fit and

Clemco has been building blast machines for more than 60 years.

function.







Six cubic foot contractor blast machine

#### Not just different ... better

Aside from the pressure vessel, everything else about your Contractor Blast Machine looks different from conventional machines. Our engineers started with a blank screen and a mandate to design a versatile system that is as productive as current technology allows.

Details make the difference. The diameter of the formed steel tubing was selected, not just for its structural properties, but for the way it fits comfortably in the average adult hand. This makes moving the cart easier and safer.

Hookup points for blast hose and remote controls are all mounted on the front leg, and a space is provided for your breathing air line, so you spend less time fumbling with connections and more time blasting.



Two cubic foot contractor blast machine

## **Contractor Blast**

# **Machine Systems**



Four cubic foot contractor blast machine

When your Contractor Blast Machine does need service, you will appreciate our engineer's other mandate — keep it simple.

The unique, Millennium inlet/outlet remote control valve has just two moving parts and can be field serviced with standard tools. The Quantum metering valve handles all conventional abrasives and is designed to be easy to use and easy to maintain.



Convenient hookup points for hoses



Weather-tight storage for manuals

Also in the front leg — a weather-tight storage bin for your owner's manuals, so your operating instructions, maintenance schedule, and replacement parts lists are always at your fingertips.



The large hand hole is reinforced with a ring of 3/8-inch steel, cut to conform to the wall of the blast machine and welded inside and out, leaving fewer nooks and crannies where abrasive can collect.

## Contractor Systems — All You Need For Blasting

Except abrasive, air hose, and compressed air.

Each system includes:

Blast machine **RLX** handle assembly Quantum abrasive valve Abrasive trap Air filter Millennium remotes Nozzle Blast hose Nozzle holder Quick coupling Blast hose safety cable Blast machine screen Apollo respirator\* Air conditioner (CA systems) **Respirator hose** CPF Filter (CA systems) Leather gloves Apollo lenses Coupling gaskets Nozzle washers Abrasive trap screens Nylon ties Poly all-weather cover

\* Not included but recommended is CMS-3 monitor/alarm for continuous monitoring of breathing air to protect operator from dangerous carbon monoxide gas. (Can be used with high pressure and low pressure respirators.)

## Reliability — Integrated Remote Controls and Metering Valves

The Millennium and Quantum valves were designed, tested and refined simultaneously, so they operate at the same pressures and share common air fittings. There's nothing to adapt, no bushings to reduce, no orifice fittings to mismatch.

The Millennium and Quantum valves share a design philosophy. We design them to last and build them with precision. We incorporate

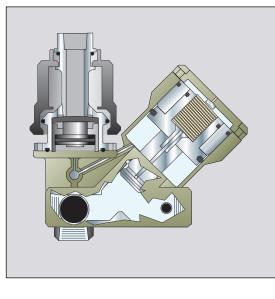
die-cast housings and tough steel actuators.



## Millennium Remote Control System

### Reliable, integrated remote control valve and exhaust muffler

Shown here as a simple pressure-release system, inlet and outlet functions are combined in the Millennium Remote Control Valve.



Millennium Remote Control Valve in closed position.

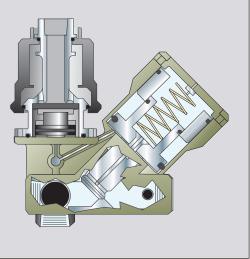
All Contractor Blast Machines come with Clemco's exclusive Millennium pneumatic remote control valve, which combines inlet and outlet functions. It starts and stops faster, so you spend less time waiting, and more time blasting.

Pressing the remote control handle simultaneously actuates both the inlet and outlet portions of the valve. Some systems activate one valve then the other, which can slow response times.

For repetitive short-cycle blasting, order the Contractor Blast Machine configured for pressurehold operation. It eliminates the delay between the time you actuate the remote control and blasting begins. Also, this system includes an abrasive cutoff switch for remote control actuation of the abrasive flow, which allows air-only blasting to dry surfaces after wetblasting.

Millennium Remote Control

Valve in open position.





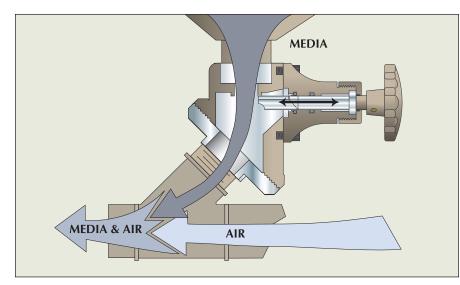
The Millennium pneumatic remote control valve combines inlet and outlet functions.



Optional electric remote controls

## Quantum Metering Valve

Precise manual or automatic control of media



Metering and valve actuation are separate functions in the Quantum. Precision screw control accurately meters all common blast media.

## **For Complete Control**

T he Quantum accurately meters all common blast media — from coarse steel grit to slag to fine glass bead. Just empty the blast machine, pour in the new media, and start blasting.

For contractors, the Quantum's flexibility reduces downtime between jobs that require different blast media. For rental outlets, owning Contractor Series systems makes every blast machine ready to roll out the door regardless of the application. Most common blasting media the customer chooses will be compatible.

Metering and valve actuation are separate functions on the Quantum. In fact, the simple metering portion alone is all that's needed for most contractors with pressure-release applications.

Inside the Quantum, a hardened steel metering plate precisely controls the flow of abrasive. The contractor adjusts abrasive flow by turning the knob.

The metering plate, which receives most of the wear, can be replaced in the field in minutes using standard tools.

The Quantum's remote control actuator section, which is included only on systems equipped for pressure-hold or remote abrasive cutoff, stops the flow of abrasive positively and instantly.

As with all the remote control valves on your Contractor Blast Machine, the Quantum's actuator has a built-in fail-to-safe feature that stops the flow of abrasive if the signal from the remote control handle is interrupted for any reason.



The Quantum Metering Valve features precision adjustment.

## Quantum — Engineered for Lasting Economy

All parts normally exposed to abrasive



flow are made from durable, wear-resistant material. Even the metering adjustment knob is designed and

built to stand up to real world use and abuse.

The Quantum is designed for precise metering and easy maintenance.

Available in models for manual operation, abrasive cut-off, and pressure-hold applications.

## Safety — Anticipation of the Unthinkable

Clemco's over six decades in the blasting business has taught us that when it comes to safety, theory is often overtaken by events.

It isn't possible to plan for every contingency but it is possible to anticipate likely dangers and to design equipment that more than half-way meets the real world head-on.

Abrasive impact, dangerous air-borne compounds, sudden failure of equipment and the ever lurking threat of carbon monoxide.

We know what can happen.

We have it covered!

## **Safety** Standard with Contractor Systems



**Apollo 600 Supplied-Air Respirators**, NIOSH-approved, OSHA-required respiratory protection for the blast operator. HP models are for compressed-air breathing-air supplies; LP models are for use with an ambient air pump. For maximum operator comfort, Apollo DLX models are equipped with a washable and replaceable comfort fit suspension.

**The Clemco CPF 20 and 80 Breathing Air Filter** systems are OSHA-required filtering devices that capture contaminants that may be present in the compressed air supply. It does not remove carbon monoxide (CO). The breathing air should be monitored for the presence of CO. See Clemco CO monitoring equipment in 'Options' below.





**Blast Hose Safety Cable** helps prevent death, injury, or property damage in the event of coupling failure and helps support blast hose when run vertically or across horizontal spans. Prolongs life of hose; comes in two sizes for 1/2" to 1-1/4" OD and 1-1/2" to 3" OD blast hose.



**Clemco Gloves** protect your hands from rebounding abrasive and help keep dust and abrasive from entering the blast suit at the wrists.

## **Popular Options**



**Carbon Monoxide Monitors/Alarms** provide continuous breathing-air monitoring. CMS-2 is field portable for use with high-pressure systems. CMS-3 mounts inside the helmet for use with both high-pressure and low-pressure systems.



**Clemco's Industrial Blast Suit** has a heavy cotton fabric back, durable leather front, protecting workers from rebound and keeping out dust and abrasive.



**Seasonal Blast Suit** represents a cost effective alternative to an industrial suit for occasional or short-term blasting, and for nearby personnel.

**Clemco Ambient Air Pumps,** offered in three models, provide clean air to any NIOSH-approved low-pressure helmet. Ambient air pumps are available for one to four operators.



# Comfort

## **Personal Protection Equipment**

**Clemco Comfort Vest** can perform dual functions — safety *and* comfort. Operators able to control their immediate environment enjoy a level of comfort absent from most blasting operations. Comfort helps them to avoid distractions resulting from excessive heat or cold and aids greatly to increased productivity. Clemco offers a line of devices designed to allow operators to control their personal environments, whether the situation calls for heating or cooling in the desert or the tropics and in the the deep freeze of winter.



**Comfort Vest** 



**Climate Control Tube** 



**Clem-Cool Air Conditioner** 

**Clem-Cool Air Conditioner** offers powerful cooling and is designed with value in mind – economical to replace; no maintenance.

**Climate Control Tube,** which warms or cools incoming air, has been a long-time favorite because of its ability to manage all environments from bitter cold to stifling heat.

## Communication



**WiComm Pro,** Clemco's two-way FM radio system, lets operators communicate with supervisors, pot tenders, and each other without stopping work. This can increase the productivity of experienced operators and reduce the training time required for new personnel.

## Working Conditions — More Than Feeling Comfortable

On a day when the ambient temperature has weather services issuing excessive heat alerts or the wind-chill factor has the mercury down in the single digits, it is comforting to know these extremes can be overcome and the job can be completed by the deadline.

Whether in the desert or under a bridge spanning a frozen river, Clemco has addressed the problem of operator comfort.

A comfortable operator is better able to focus on his job, making him more efficient and better able to concentrate on the job at hand and on potential safety issues as well.

## Performance – The Ideal Combination of Engineering and Energy

Clemco provides the quality tools for your toughest jobs.

Our machine systems are designed for maximum air flow and reduced pressure loss to deliver energy to the blast surface to get the job done — fast.

# Contractor Blast Machine Accessories

### **Rubber-Jacketed Nozzles**

The Contractor Series blast machine systems come with TMP series nozzles. These rubber-jacketed, tungsten-carbide lined nozzles offer hundreds of hours of service. They feature wide, deep-pitched *contractor* threading for quick and easy replacement when changing nozzles mid-job or when replacing worn nozzles. The large thread prevents galling commonly experienced with fine-thread nozzles when trapped dust, dirt, and abrasive particles make nozzle removal extremely difficult.

### Nylon Couplings and Nozzle Holders

Clemco introduced nylon couplings in the early 1980s and they have become the industry standard. The nylon material is fiberreinforced so it springs back from most impacts, making them and excellent choice for a long service life. Built-in locksprings eliminate the need for safety pins.

Nylon nozzle holders and couplings are lightweight, highimpact, and extremely durable – they can even pop back to their original shape after temporary crushing from a car or light truck tire.

### SUPA Blast Hose

Another Clemco innovation, the super-flexible, lightweight, blast hose is made with an SBR rubber tube reinforced with rubber-impregnated fiber winding and treated with a static-dissipating compound. It's outer casing is pin-pricked to prevent the formation of air pockets. Its popularity is unsurpassed

### **Quality Spares & Consumables**

Built to our quality standards, genuine Clemco replacement parts last longer, protect your safety and health, and deliver the maximum performance you demand.

### **Technical Support**

Clemco offers free factory training for every Distributor. For the contractor, we offer detailed operation and maintenance instructions and troubleshooting advice. Every blast machine comes with a complimentary copy of Clemco's Abrasive Blasting Safety Practices booklet to help you protect your workers on the job every day while they perform under the most challenging conditions.













Machine Diameter 16 inches 20 inches 24 inch 16 inches 20 inches 24 inch   Machine Capacities - Volume in Cu FI 2 4 6 2 4 6   and Liso O Inheral Abrasive 200 400 600 600 200 400 600   System Stock No. 21647 21548 21549 21840 21841 2184   System Weight 450 550 655 655 1565 2166 1   Biast Machine with CPF Filter 21844 21545 21845 22846 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 23840 <			System	Comp	onents	and O	ptions		
Machine Diameter     16 inches     20 inches     24 inches     16 inches     20 inches     24 inch       Machine Capacities - Volume in Cu Pt     2     4     6     2     4     6       and Liso of Mineral Azransity     21947     21548     21949     21940     21941     2194       System Winght     21947     21545     21940     21940     21965     550     655     430     550     655     430     550     655     430     500     655       State Additine with OFF Filter     21940     21956     21945     22945 <th colspan="3">CONTRACTOR SYSTEMS</th> <th colspan="3"></th> <th colspan="3"></th>	CONTRACTOR SYSTEMS								
Machine Capacities - Volume in Cu Fl     2     4     6     2     4     6     2     4     6     0     200     600	Model			2016 CA	2020 CA	2024 CA	2016 AA	2020 AA	2024 AA
and Lbs of Mineral Abrasive     200     400     600     200     400     600       System Weight System Weight System Weight System Weight Bast Machine witch # soluble Millennium Remarke Carries with RLX Handle and Cuantum Abrasive Methering Valve.     21844     21844     21844       Blast Machine witch CPF Filter     21545     21845     21845     21845     21845     22845     28460	Machine Diameter	lachine Diameter			20 inches	24 inches	16 inches	20 inches	24 inches
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System Weight     450     550     666     430     530     665       Adde: All Corrector Mechanism Member Methodes with PLX Handle and Chantum Abnasive Methoder Volve.     21546     21546     21545     21545     21545     21640     21555     21565     21565     21565     21565     22645     22845	System Stock No.			21547	21548	21549	21840	21841	21842
Note: 4D contractor Mechanes include Millionitum Renote Cambos with R.Y. Hands and Quantum Abrashe Mekning Valve.     Image: Contractor Systems are excluded Millionitum Renote Cambos with R.Y. Hands and Quantum Mechanes Systems are excluded with the following:       Blast Machine wito CPF Fitter     2154     2145     21480     21505     2161       Contractor Systems are excluded with the following:     Quantum Mechanes Systems are excluded with the following:     Quantum Mechanes     <	•			450	550	685	430	530	665
Blast Machine wio CPF Filter 24490 21505 2161 Contract-Systems are equipped with the following: Countrum Metroning Valve 22845 22845 22845 22845 22845 22845 22845 Abrasive Trap 02011 02011 02011 02011 02011 02011 02011 02011 RLX Handle Assembly 10565 10565 10565 10565 10565 Blast Nozzle TMP-4 TMP-5 TXP-6 TMP-4 TMP-5 TXP- 23520 23521 23525 23520 23521 2352 Blast Hose, SUPA, 50 ft, coupled 1-Inch ID 1-Ind-h ID 1-ID 2 hD 1-I1-I2 hD 1-I-I2 hD 1-ID 1-ID 1-ID 1-ID 1-ID 1-ID 1-ID 1-I	, 0	Machines include M	lillennium Remote (	Controls with RLX F	Handle and Quantu	m Abrasive Meterir	ng Valve.		
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Bits Nozzle     TMP-4     TMP-5     TXP-6     TMP-4     TMP-5     TXP-6       Bits Nozzle     1-inch 1D     1-inch 1D <t< td=""><td colspan="3"></td><td>02011</td><td>02011</td><td>02011</td><td>02011</td><td>02011</td><td>02011</td></t<>				02011	02011	02011	02011	02011	02011
23520     23521     23525     23520     23521     23525       Blast Hose, SUPA, 50 ft, coupled     1-inch ID     1-inch				10565	10565	10565	10565	10565	10565
23520     23521     23525     23520     23521     23525       Blast Hose, SUPA, 50 ft, coupled     1-inch ID     1-inch	,			TMP-4	TMP-5	TXP-6	TMP-4	TMP-5	TXP-6
Blast Hose, SUPA, 50 ft, coupled     1-inch ID     1					_	_		_	23525
Nozzle Holder     23480     23480     23481     23480     24181     21088     21088     21088     21088     21088     21088     21088     21088     21088     22363     22363     22363     22363     22363     22363     22363     22363     22363     22363     22363     21081     15143     15143     15143     15143     15143     15143     15143     15143	Blast Hose, SUPA, 50 ft, coupled								1-1/4-inch ID
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Coupling     CQPS-1     CQPS-	Nozzle Holder		NHP-1	NHP-1	NHP-2	NHP-1	NHP-1	NHP-2	
21088   21088   08413   21088   21088   08413     Air Filter with Manual Drain   1-inch   1-1/2 inch   1-1/2 inc				04106	04106	04127	04106	04106	04127
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Safety Cable     15013 <th1613< th="">     15013</th1613<>	Air Filter with Manual Drain			1-inch	1-1/2 inch	1-1/2 inch	1-inch	1-1/2 inch	1-1/2 inch
Coupling Gaskets, 10-pk     21584     2158				22424	22363	22363	22424	22363	22363
Nozzle Washers, 10-pk     91024     91024     91026     91024     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02012     02013     02195     0216     0216 </td <td colspan="3">Safety Cable</td> <td>15013</td> <td>15013</td> <td>15013</td> <td>15013</td> <td>15013</td> <td>15013</td>	Safety Cable			15013	15013	15013	15013	15013	15013
Abrasive Trap Screen, 6, shown each     02012     02195     02196     02196     02196     02196     02106	Coupling Gaskets, 10-pk			21584	21584	08853	21584	21584	08853
Nylon Tie, 8, shown each     02195     02	· ·			91024	91024	91026	91024	91024	91026
Poly All-weather Cover     15097     15143     15143     15097     15143     15143     15097     15143     15159     1515	• • • •								02012
Blast Machine Screen     03099     20357     03100     03099     20357     03100       Apollo 600 with DLX Suspension     25194     25194     25194     25195     24612     Avaisa     24943     24943     24943     24943     24943     24943     24945     20358     02335     20358     02335 </td <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>02195</td>								02195	
Apollo 600 with DLX Suspension     25194     25194     25194     25195									
Apollo Respirator Hose, 50 ft.     04415     04415     04415     04415     22510     22510     22510     22510     22510       CPF-20 Breathing-Air Filter without Base Bracket     22540     22540     22540     Not incl.								-	
CPF-20 Breathing-Air Filter without Base Bracket     22540     22540     22540     Not incl.     Not incl. <t< td=""><td colspan="2">· · ·</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	· · ·								
without Base Bracket     22540     22540     22540     Not incl.     Not incl.     Not incl.       Apollo Lenses - outer, 25-pk     04361     0243     02243     02243     02243     02243     02243     0236     02355     02356     02355				04415	04415	04415	22510	22510	22510
Apollo Lenses - outer, 25-pk     04361 <h< td=""><td colspan="3">-</td><td>00540</td><td>00540</td><td>00540</td><td>Not incl</td><td>Natinal</td><td>Natinal</td></h<>	-			00540	00540	00540	Not incl	Natinal	Natinal
Apollo lenses - intermediate, 10-pk   24943   02243   02356   02335   02335   02335   02335   02335   02335   02335   02335   02335									
Leather Gloves     02243     02358     02336     02336     02335     20358     02336     02335     02358     02335     Descritterelistatis and is an is an									
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   02335   20358   02336     Ambient Air Pump, Single-Operator, CALIPSO   25908   For Use with Apollo LP Respirators Only   02335   02336     Ambient Air Pump, 4-Operator, CAP-4   22530   For Use with Apollo LP Respirators Only   02335   02384     Ambient Air Pump with Integral Cart, 4-Operator, CAP-4C   22384   For Use with Apollo LP Respirators Only   02384     Contractor Machines with Millennium Remote Control Options (Factory-Installed)     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 Abra	• • •								
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		MO		02210	02210	02210	022.10	02210	02210
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)     Pressure-Hold     12 Volts   120 Volts   Pneumatic   12 Volts   120 Volts   Pneumatic   12 Volts   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				00005	20259	00006	00005	20259	00000
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   E-120 Vo     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   Adding Abrasive Cut-off   Letter   Letter   Letter					1				02330
Ambient Air Pump, 4-Operator, CAP-422530For Use with Apollo LP Respirators OnlyAmbient Air Pump with Integral Cart, 4-Operator, CAP-4C22384For Use with Apollo LP Respirators OnlyContractor Machines with Millennium Remote Control Options (Factory-Installed)Pressure-Hold12 Volts120 VoltsPneumatic12 Volts120 VoltsE-12 VoltsE-120 Volts4 cu ft21509215382255422541225432254522547225496 cu ft2154321606225552254222544225462254822550Field-Installed Millennium Remote Control OptionsAdding Abrasive Cut-off							,		
4-Operator, CAP-4C   22384   For Use with Apollo LP Respirators Only     Contractor Machines with Millennium Remote Control Options (Factory-Installed)     Pressure-Hold     12 Volts   120 Volts   Pneumatic   12 Volts   120 Volts   E-120 Volts				22					
Contractor Machines with Millennium Remote Control Options (Factory-Installed)     Contractor Machines with Millennium Remote Control Options (Factory-Installed)     Image: Control Options (Factory-Installed)     Pressure-Hold     12 Volts   120 Volts   Pneumatic   12 Volts   120 Volts   E-12 Volts   E-120 Volts     4 cu ft   21509   21538   22554   22541   22543   22545   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	Ambient Air Pump	with Integral Car	t,						
Electric     Abrasive Cut-Off     Pressure-Hold       12 Volts     120 Volts     Pneumatic     12 Volts     120 Volts     Pneumatic     120 Volts     Pneumatic     120 Volts     Pneumatic     E-12 Volts     E-120 Vo       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     Adding Abrasive Cut-off     Voltor     Voltor     Voltor						,	, ,		
12 Volts     120 Volts     Pneumatic     12 Volts     120 Volts     Pneumatic     E-12 Volts     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	Contractor Ma			1	• •		,		
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		Eleo	ctric	At	prasive Cut-Of	f		Pressure-Hold	<b>I</b>
6 cu ft     21543     21606     22555     22542     22544     22546     22548     22550       Field-Installed Millennium Remote Control Options       Converting to Electric     Adding Abrasive Cut-off		12 Volts	120 Volts	Pneumatic	12 Volts	120 Volts	Pneumatic	E-12 Volts	E-120 Volts
Field-Installed Millennium Remote Control Options     Converting to Electric   Adding Abrasive Cut-off	4 cu ft	21509	21538	22554	22541	22543	22545	22547	22549
Converting to Electric Adding Abrasive Cut-off	6 cu ft	21543	21606	22555	22542	22544	22546	22548	22550
Converting to Electric Adding Abrasive Cut-off	<b>Field-Installed</b>	Millennium	Remote Con	trol Options					
	4 cu ft				-				
6 cu ft 21678 21679 22551									

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