

CLEMCO®

ABRASIVE BLAST MACHINES
CLASSIC SERIES
SIMPLE, RUGGED, RELIABLE



★★★★★
MADE IN THE
USA



6 cuft



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, versatile blast cleaning system removes contamination, 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.

Model 1028 holds 1/2 cubic foot of abrasive providing 15 minutes of blasting at 80 psi with a No. 3 (3/16-inch) nozzle.

This unit can operate with as little as 12 cfm of air volume.

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. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum 12 cfm at 50 psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically marketed for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

Description

Field-portable, light-duty, industrial, single-chamber blast machines rated at 125 psi working pressure. Model 1028, holds 1/2 cubic foot of media (50 lbs expendable, mineral abrasive). This unit is equipped with MSV abrasive metering valve.

0.5 Cuft Classic Blast Machine System

with 1/2" piping



Model 1028 with
HP respirator and
accessories

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.

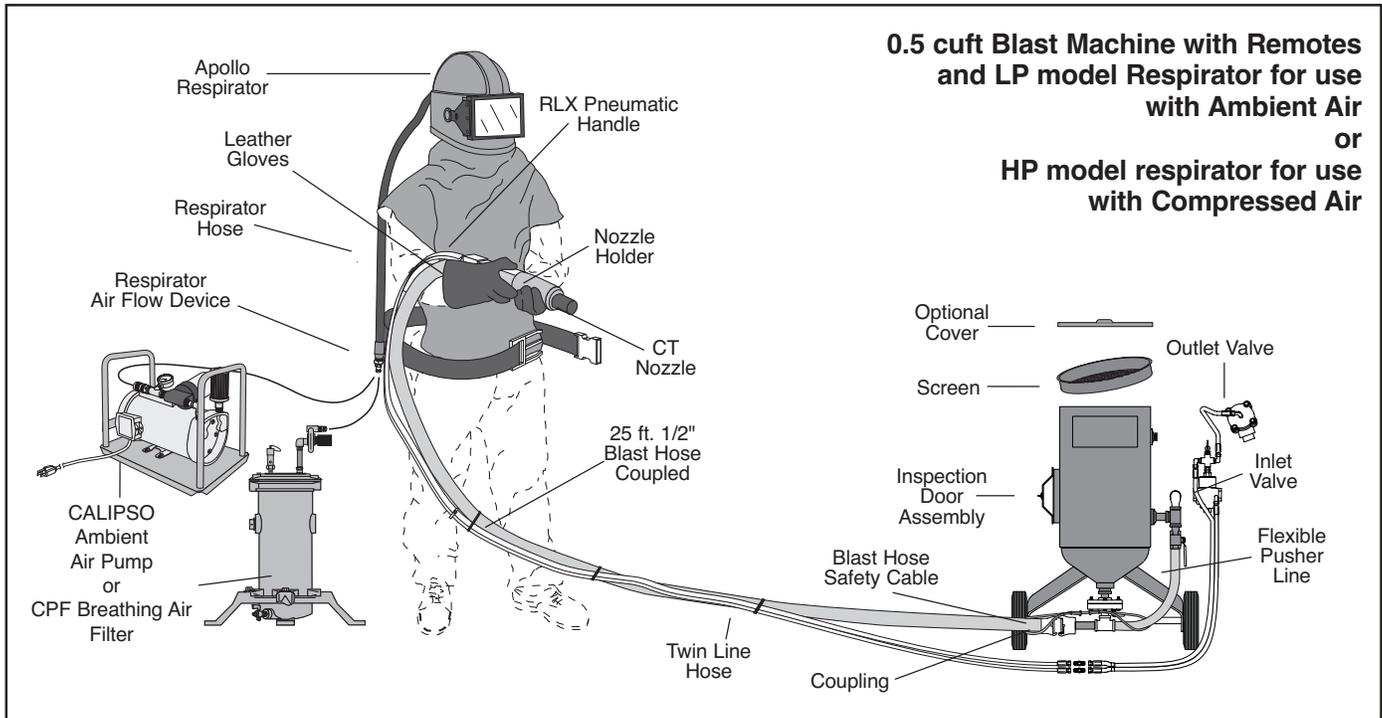
Approvals and Certifications

Blast machine pressure vessel built to American Society of Mechanical Engineers (ASME) specifications for 125-psi working pressure. Vessel is hydrostatically tested and National Board-certified.

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

Advantages

- One-man portable industrial-quality blast machines manufactured to ASME code.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- MSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.



Model 1028: 0.5 cuft Blast Machine, Classic with 1/2" piping, 125 psi working pressure

Item Description	Stock No.	Wt
Without remotes	21050	100
Includes MSV 1/2" abrasive metering valve		
With TLR50 Remote Controls & MSV	21051	110
Systems		
1028-50-AA	23890	185
Includes: Blast machine 21051, Apollo 20 LP DLX (for use with ambient air) respirator with Constant Flow Connector, 50 ft. respirator hose, and Accessory Package		
1028-50-CA	00908	185
Includes: Blast machine 21051, Apollo 20 HP DLX (for use with compressed air) respirator with Constant Flow Connector, 25 ft. respirator hose, CPF 20 breathing air filter, and Accessory Package		

Authorized Distributor:

Item Description	Stock No.	Wt
Accessory Package		
Complete accessory package	27410	20
1/2" air filter w/ manual drain	01308	2
25 ft. x 1/2" ID blast hose with CHE-1/2 aluminum nozzle holder and CQA-1/2 aluminum quick coupling	01268	12
Blast hose safety cable	15012	.5
CT-4 blast nozzle	01353	.5
Blast machine screen	03362	4
Leather gloves, 1 pair	02243	.5
Helmet outer lenses, pk of 25	21411	1
CQG coupling gaskets, pk of 10	00850	<.5
NW-1 nozzle washers, pk of 10	21580	<.5
Outlet valve diaphragms (3 ea.)	02511	1
Nylon tie (8 included) (ea.)	02195	<.5
Options/Accessories		
Steel blast machine cover, 10"	03107	3
Carbon monoxide alarm, CMS-3 pkg. ..	24612	4
Ambient Air Pump		
CALIPSO, sgl operator	25908	73
CAP-4, 4 operators w/ frame	22530	175
with 2 wheel cart	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		4.5 (avg.)
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022) 4XL (24689)		3 (avg.)
Operation Manuals		
1028 without remotes	04124	
TLR50 Remotes.....	03358	

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



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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, versatile blast cleaning system removes contamination, 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

Model 1042 holds 1 cubic foot of abrasive providing 15 minutes of blasting at 80 psi with a No. 4 (1/4-inch) nozzle.

This unit can operate with as little as 12 cfm of air volume.

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. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum 12 cfm at 50 psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically manufactured for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

Description

Field-portable, light-duty, industrial, single-chamber blast machine rated at 125 psi working pressure. Model 1042 holds 1 cubic foot of media (100 lbs expendable, mineral abrasive). This unit is equipped with MSV abrasive metering valve.

1 Cuft Classic Blast Machine System with 1/2" piping

*Model 1042 with
HP respirator and
accessories*



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.

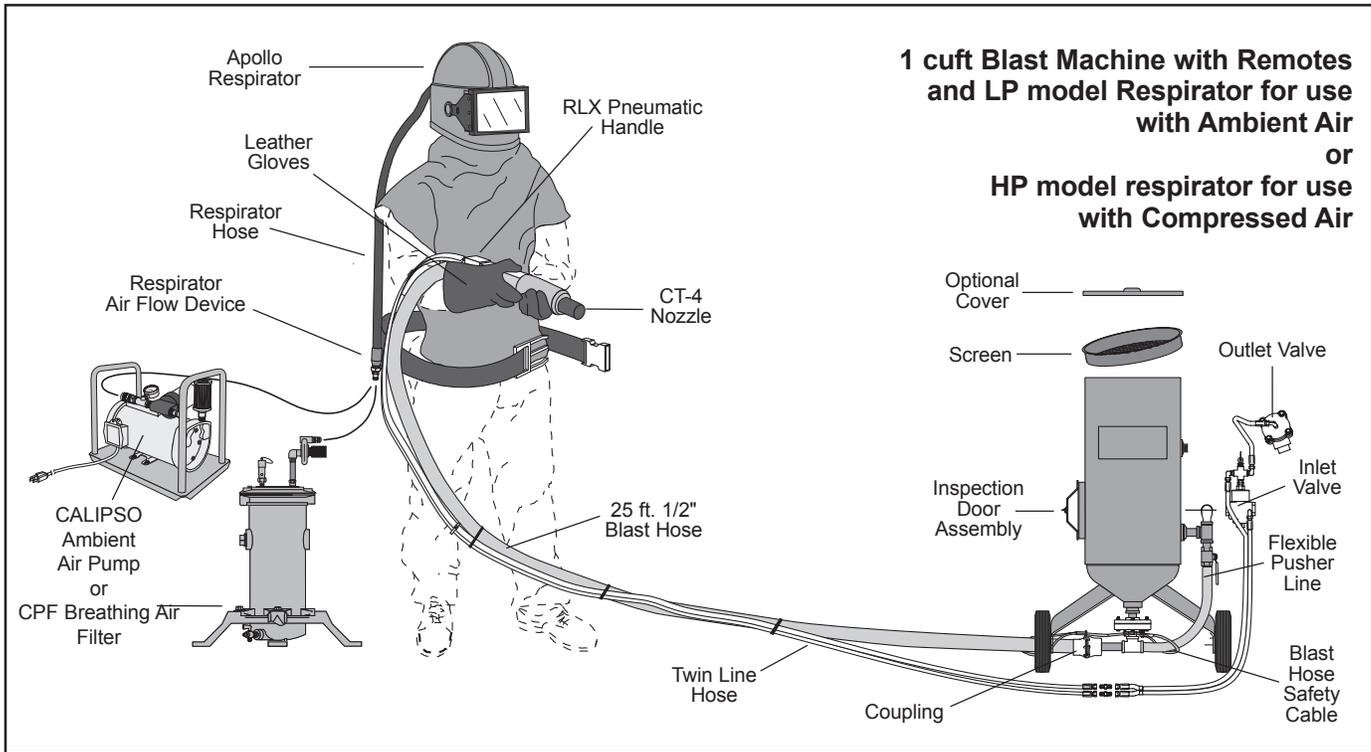
Approvals and Certifications

Blast machine pressure vessel built to American Society of Mechanical Engineers (ASME) specifications for 125-psi working pressure. Vessel is hydrostatically tested and National Board-certified.

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

Advantages

- One-man portable industrial-quality blast machines manufactured to ASME code.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- MSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.



1 cuft Blast Machine with Remotes and LP model Respirator for use with Ambient Air or HP model respirator for use with Compressed Air

Model 1042: 1 cuft Blast Machine, Classic with 1/2" piping, 125 psi working pressure

Item Description	Stock No.	Wt
Without remotes	21052	110
Includes MSV 1/2" abrasive metering valve		
With TLR50 Remote Controls & MSV	21053	130

Systems

1042-50-AA w/LP respirator	23891	205
Includes: Blast machine 21053, Apollo 20 LP DLX (for use with ambient air) Respirator with Constant Flow Connector, 50 ft. respirator hose, and Accessory Package		
1042-50-CA w/HP respirator	01039	205
Includes: Blast machine 21053, Apollo 20 HP DLX (for use with compressed air) Respirator with Constant Flow Connector, 25 ft. respirator hose, CPF 20 breathing-air filter, and Accessory Package		

Authorized Distributor:

Item Description	Stock No.	Wt
Accessory Package		
Complete accessory package	27410	20
1/2" Air filter w/ manual drain	01308	2
25 ft. x 1/2" ID blast hose coupled with CHE-1/2 aluminum nozzle holder and CQA-1/2 aluminum quick coupling	01268	12
Blast hose safety cable	15012	.5
CT-4 blast nozzle	01353	.5
Blast machine screen, 10"	03362	4
Leather gloves, 1 pair	02243	.5
Helmet outer lenses, pk of 25	21411	1
CQG coupling gaskets, pk of 10	00850	<.5
NW-1 nozzle washers, pk of 10	21580	<.5
Outlet valve diaphragms (3)	02511	1
Nylon tie (8included) (ea.)	02195	<.5
Options/Accessories		
Steel blast machine cover, 10"	03107	3
Carbon monoxide alarm, CMS-3 pkg.	24612	4
Ambient Air Pump		
CALIPSO, sgl operator	25908	73
CAP-4, 4 operators w/ frame	22530	175
with 2 wheel cart	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		4.5 (avg.)
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		3 (avg.)
Operation Manuals		
1042 without remotes	04124	
TLR50 Remotes	03358	



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Purpose

High-performance, versatile blast cleaning system removes contamination, corrosion, mill scale, and coatings from most surfaces. Produces a uniform surface texture, and creates a surface profile to increase bonding for coatings.

Model 1642 holds 2 cubic feet of abrasive providing 15 minutes of blasting at 100 psi with a No. 5 (5/16-inch) nozzle.

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. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum of 50 psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically manufactured for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

Description

Field-portable, medium-duty, industrial, single-chamber blast machine rated at 150 psi working pressure. Model 1642 has 1-inch piping and holds 2 cubic feet of media (200 lbs expendable, mineral abrasive). This unit is equipped with FSV abrasive metering valve and remote controls. Complete system includes coupled hose, nozzle, supplied air respirator, and many accessories.

2 Cuft Classic Blast Machine Systems with 1" piping



Model 1642 with HP respirator and accessories

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.

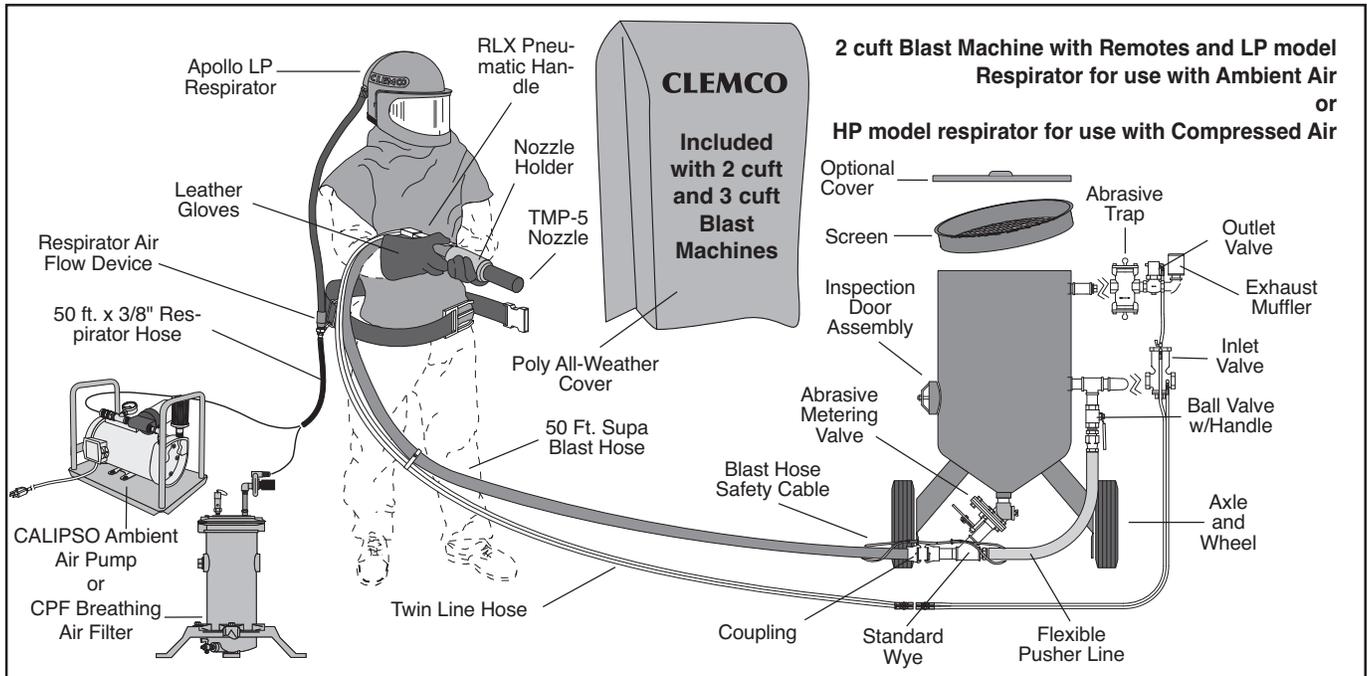
Approvals and Certifications

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

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

Advantages

- Field-portable, industrial-quality blast machine manufactured to ASME code.
- 1-inch piping allows up to 50 percent more air flow when compared with 1/2-inch piping.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- FSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.



Model 1642: 2 cuft Blast Machine, Classic with 1" piping; 150 psi working pressure

Item Description	Stock No.	Wt.
Without remotes:		
with FSV abrasive metering valve		
portable	21054	240
stationary.....	21055	240
With TLR 100 remotes:		
and FSV abrasive metering valve		
portable	21056	250
and Manual Quantum metering valve		
portable	27501	255
and AQV abrasive metering valve		
with ACS (abrasive cut-off switch)		
portable	21057	260
stationary.....	21059	260
Systems		
1642-200-CA	21060	385
Includes: 1" piping, Blast machine 21056, Apollo 600 HP DLX (for use with compressed air) respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
1642-ACS-CA	23907	385
Includes: 1" piping, Blast machine 21060, Apollo 600 HP DLX respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
1642-300-AA	23892	385
Includes: 1" piping, Blast machine 21060, Apollo 600 LP DLX (for use with ambient air) respirator with Constant Flow Connector (CFC), 50 ft. respirator hose, and Accessory Package		

Item Description	Stock No.	Wt
Accessory Package (24194)		
Complete accessory package	24194	
1" Air filter w/ manual drain	22424	3
50 ft. x 1" Supa hose w/ NHP-1 and CQPS-1.....	23480	30
Blast hose safety cable	15013	1.5
TMP-5 nozzle.....	23521	1.5
Blast machine screen, 16"	03099	6
Poly all-weather cover	15097	2
Leather gloves, 1 pair	02243	.5
Nylon ties, 8 ea.	02195	<.5
CQGP-2 gaskets, pk of 10	21584	.5
NW-25 nozzle washers, pk of 10.....	91024	<.5
Abrasive trap screens, (6)	02012	<.5
Helmet outer lenses, pk of 25	04361	1
Options/Accessories		
Blast machine cover, 16"	02335	6
Metering valve, manual Quantum	22845	9
Carbon monoxide alarm, CMS-3 pkg ..	24612	4
Ambient Air Pumps		
CALIPSO, sgl operator	25908	73
CAP-4, 4 operators w/ frame	22530	175
CAP-4C, 4 operators w/ cart	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		4.5 (avg.)
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		3 (avg.)
Operation Manuals		
Blast Machine without Remotes	06160	
Blast Machine with TLR100/300 Remotes	22501	
Quantum Valve	22565	

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Purpose

High-performance, versatile blast cleaning system removes contamination, corrosion, mill scale, and coatings from most surfaces. Produces a uniform surface texture, and creates a surface profile to increase bonding for coatings.

Model 1648 holds 3 cubic feet of abrasive providing 15 minutes of blasting at 100 psi with a No. 6 (3/8-inch) nozzle.

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. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum of 50 psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically manufactured for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

Description

Field-portable, medium-duty, industrial, single-chamber blast machine rated at 150 psi working pressure. Model 1648 has 1-inch piping and holds 3 cubic feet of media (300 lbs expendable, mineral abrasive). This unit is equipped with FSV abrasive metering valve and remote controls. Complete system includes coupled hose, nozzle, supplied air respirator, and many accessories.

3 Cuft Classic Blast Machine Systems with 1" Piping



*Model 1648 with
HP respirator and
accessories*

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.

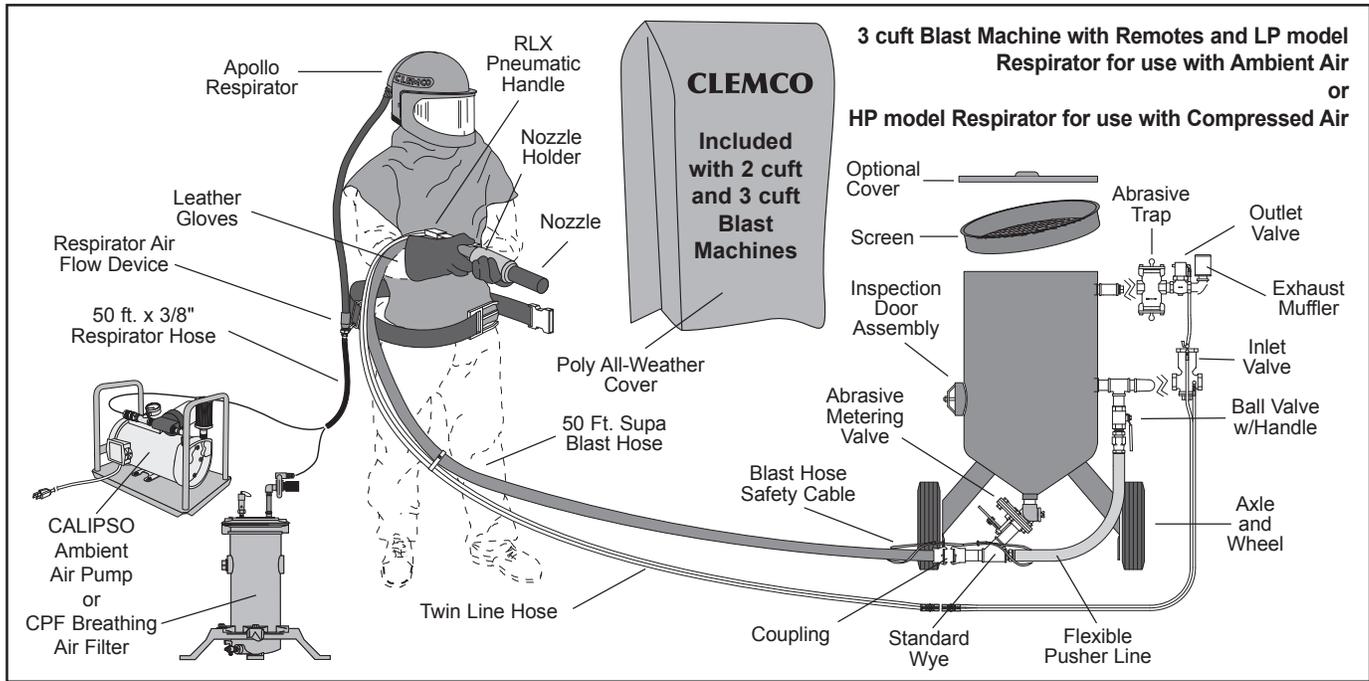
Approvals and Certifications

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

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

Advantages

- Field-portable, industrial-quality blast machine manufactured to ASME code.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- FSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.



Model 1648: 3 cuft Blast Machine, Classic with 1" piping; 150 psi working pressure

Item Description	Stock No.	Wt.
Without remotes:		
with FSV abrasive metering valve		
portable	00884	325
stationary	00882	325
With TLR 100 remotes:		
and FSV abrasive metering valve		
portable	01178	330
and Manual Quantum metering valve		
portable	23766	325
and Sentinel abrasive metering valve with ACS (abrasive cut-off switch)		
portable	21061	340
stationary	21064	340
Systems		
1648-100-CA	00912	435
Includes: 1" piping, Blast machine 01178, Apollo 600 HP DLX (for use with compressed air) respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
1648-ACS-CA	23908	435
Includes: 1" piping, Blast machine 21061, Apollo 600 HP DLX respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
1648-100-AA	23893	435
Includes: 1" piping, Blast machine 01178, Apollo 600 LP DLX (for use with ambient air) respirator with Constant Flow Connector (CFC), 50 ft. respirator hose, and Accessory Package		

Item Description	Stock No.	Wt
Accessory Package		
Complete accessory package	24194	
1" Air filter w/ manual drain	22424	3
50 ft. x 1" Supa hose w/ NHP-1 and CQPS-1	23480	30
Blast hose safety cable	15013	1.5
TMP-5 nozzle	23521	1.5
Blast machine screen, 16"	03099	6
Poly all-weather cover	15097	2
Leather gloves, 1 pair	02243	.5
Nylon ties, 8 ea.	02195	<.5
Coupling gaskets, pk of 10	21584	.5
NW-25 nozzle washers, pk of 10	91024	<.5
Abrasive trap screens, (6)	02012	<.5
Helmet outer lenses, pk of 25	04361	1
Helmet Int. lenses, pk of 25	24373	2
Options/Accessories		
Blast machine cover, 16"	02335	6
Metering valve, manual Quantum	22845	9
Carbon monoxide alarm, CMS-3 pkg	24612	4
Ambient Air Pumps		
CALIPSO, sgl operator	25908	73
CAP-4, 4 operators w/ frame	22530	175
CAP-4C, 4 operators w/ cart	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		4.5 (avg.)
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		3 (avg.)
Operation Manuals		
Blast Machine without Remotes	06160	
Blast Machine with TLR300 Remotes	22501	
TLR300 with ACS	21260	
Sentinel Valve	20951	

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Purpose

High-performance, versatile blast cleaning system removes contamination, corrosion, mill scale, and coatings from most surfaces. Produces a uniform surface texture, and creates a surface profile to increase bonding for coatings.

Model 1648 holds 3 cubic feet of abrasive providing 15 minutes of blasting at 100 psi with a No. 6 (3/8-inch) nozzle.

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. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum of 50 psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically manufactured for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

Description

Field-portable, medium-duty, industrial, single-chamber blast machine rated at 150 psi working pressure. Model 1648 has 1-1/4 inch piping and holds 3 cubic feet of media (300 lbs expendable, mineral abrasive). This unit is equipped with FSV abrasive metering valve and remote controls. Complete system includes coupled hose, nozzle, supplied air respirator, and many accessories.

3 Cuft Classic Blast Machine Systems



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.

Approvals and Certifications

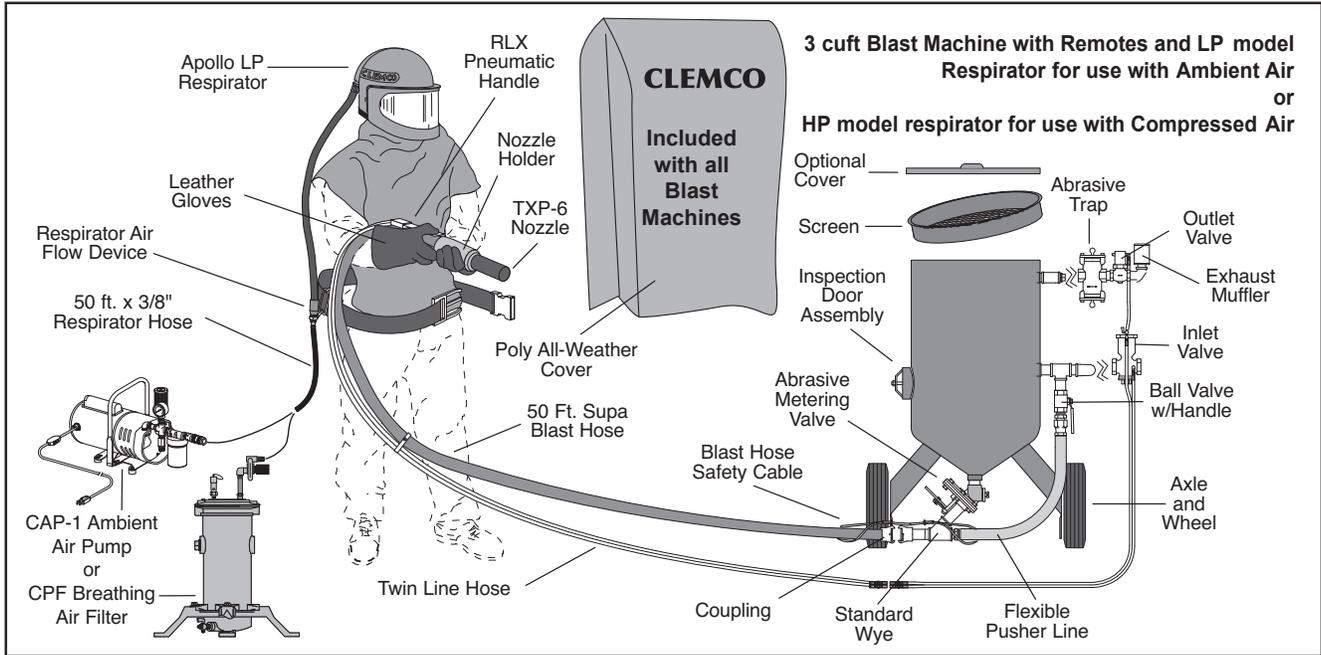
Clemco's quality management system is ISO 9001-2008 certified.

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

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

Advantages

- Field-portable, industrial-quality blast machine manufactured to ASME code.
- 1-1/4-inch piping allows up to 50 percent more air flow when compared with 1-inch piping.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- FSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.



Model 1648: 3 cuft Blast Machine, Classic with 1-1/4" piping; 150 psi working pressure

Item Description	Stock No.	Wt.
Without remotes:		
with FSV abrasive metering valve		
portable	01181	330
stationary	01180	330
With TLR 300 remotes:		
and FSV abrasive metering valve		
portable	01179	335
and Manual Quantum metering valve		
portable	23767	325
and Sentinel abrasive metering valve with ACS (abrasive cut-off switch)		
portable	21062	345
stationary	21066	345
Systems		
1648-300-CA	11260	475
Includes: 1-1/4" piping, Blast machine 01179, Apollo 600 HP DLX (for use with compressed air) respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
1648-ACS-CA	23909	485
Includes: 1-1/4" piping, Blast machine 21062, Apollo 600 HP DLX respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
1648-300-AA	23894	475
Includes: 1-1/4" piping, Blast machine 01179, Apollo 600 LP DLX (for use with ambient air) respirator with Constant Flow Connector (CFC), 50 ft. respirator hose, and Accessory Package		

Item Description	Stock No.	Wt
Accessory Package		
1-1/2" Air filter w/ manual drain	22363	
50 ft. x 1-1/4" Supa hose w/ NHP-2 and CQPS-2	23481	42
Blast hose safety cable	15013	1.5
TXP-6 nozzle	23525	
Blast machine screen, 16"	03099	
Poly all-weather cover	15143	
Leather gloves, 1 pair	02243	.5
Nylon ties, 8 ea.	02195	
CQGP-3 gaskets, pk of 10	08853	.5
NW-32 nozzle washers, pk of 10	91026	<.5
Abrasive trap screens, (6)	02012	<.5
Helmet outer lenses, pk of 25	04361	1
Options/Accessories		
Blast machine cover, 16"	02335	6
Metering valve, manual Quantum	22845	9
Carbon monoxide alarm, CMS-2	22894	9
Ambient Air Pumps		
CAP-1, sgl operator	22383	65
CAP-4, 4 operators w/ frame	22530	175
CAP-4C, 4 operators w/ cart	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		
Manuals		
Blast Machine without Remotes	06160	
Blast Machine with TLR300 Remotes	22501	
TLR300 with ACS	21260	
Sentinel Valve	20951	

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Purpose

High-performance, versatile blast cleaning system removes contamination, corrosion, mill scale, and coatings from most surfaces. Produces a uniform surface texture, and creates a surface profile to increase bonding for coatings.

Model 2452 holds 6 cubic feet of abrasive providing 30 minutes of blasting at 100 psi with a No. 6 (3/8-inch) nozzle.

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. Refer to Air Consumption Chart in Blast Off 2 booklet (publication stock no. 09294).
- Minimum of 50 psi is needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if operator should lose control of the nozzle when blast machine is pressurized.
- NIOSH-approved, type CE, supplied-air respirator.
- Grade D breathing-air supply as defined by Compressed Gas Association Commodity Specification: G-7.1 (Refer to www.cganet.com).
- Abrasive blast media specifically manufactured for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

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

Yard-portable, heavy-duty, industrial, single-chamber blast machine rated at 150 psi working pressure. Model 2452 has 1-1/4 inch piping and holds 6 cubic feet of media (600 lbs expendable, mineral abrasive). This unit is equipped with FSV abrasive metering valve and remote controls. Complete system includes coupled hose, nozzle, supplied air respirator, and many accessories.

6 Cuft Classic Blast Machine Systems with 1-1/4" piping



*Model 2452 with
HP respirator and
accessories*

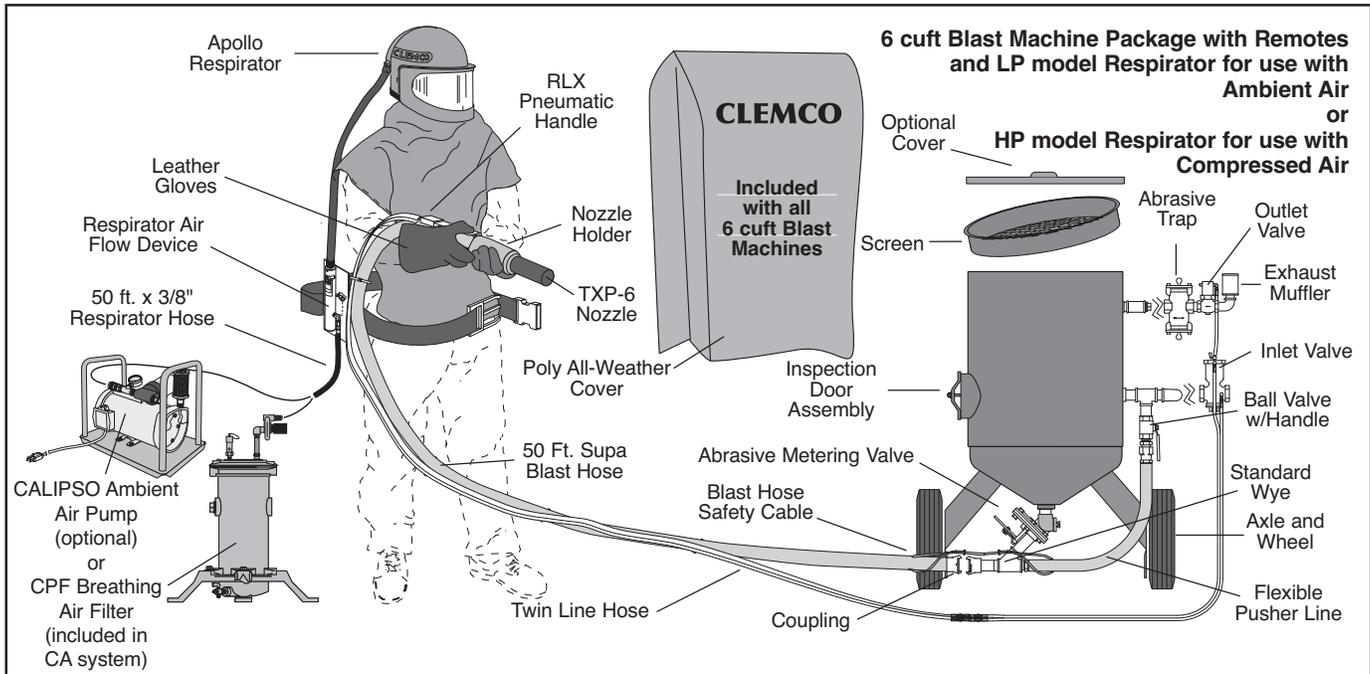
Advantages

- Yard portable, industrial-quality blast machines manufactured to ASME code.
- 1-1/4-inch piping allows up to 50 percent more air flow when compared with 1-inch piping.
- Industrial-quality valves, piping and fittings designed to maximize air flow and minimize energy required to operate the system.
- FSV abrasive metering valve maintains smooth, consistent, adjustable media flow.
- State-of-the-art NIOSH-approved respirator with DLX comfort-fit suspension.

Approvals and Certifications

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

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



Model 2452: 6 cuft Blast Machine, Classic with 1-1/4" piping; 150 psi working pressure

Item Description	Stock No.	Wt.
Without remotes:		
with FSV abrasive metering valve		
portable	01189	430
stationary	01190	430
With TLR 300 remotes:		
and FSV abrasive metering valve		
portable	01187	490
stationary	21073	490
and Manual Quantum metering valve		
portable	23769	480
and Sentinel abrasive metering valve with ACS (abrasive cut-off switch)		
portable	21068	500
stationary	21074	500
Systems		
2452-300-CA	00916	585
Includes: 1-1/4" piping, Blast machine 01187, Apollo 600 HP DLX (for use with compressed air) respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
2452-ACS-CA	23910	485
Includes: 1-1/4" piping, Blast machine 21062, Apollo 600 HP DLX respirator with Clem-Cool Air Conditioner (CCAC), 50 ft. respirator hose, CPF 20 Breathing-air filter and Accessory Package		
2452-300-AA	23895	585
Includes: 1-1/4" piping, Blast machine 01187, Apollo 600 LP DLX (for use with ambient air) respirator with Constant Flow Connector (CFC), 50 ft. respirator hose, and Accessory Package. CAP ambient air pump is an option.		

Item Description	Stock No.	Wt
Accessory Package		
Complete accessory package	22553	
1-1/2" Air filter w/ manual drain	22363	8
50 ft. x 1-1/4" Supa hose w/ NHP-2 and CQPS-2	23481	42
Blast hose safety cable	15013	1.5
TXP-6 nozzle	23525	2
Blast machine screen, 24"	03100	10
Poly all-weather cover	15143	3
Leather gloves, 1 pair	02243	.5
Nylon ties, 8 ea.	02195	<.5
CQGP-3 gaskets, pk of 10	08853	.5
NW-32 nozzle washers, pk of 10	91026	<.5
Abrasive trap screens, (6)	02012	<.5
Helmet outer lenses, pk of 25	04361	1
Options/Accessories		
Blast machine cover, 24"	02336	12
Metering valve, manual Quantum	22845	9
Carbon monoxide alarm, CMS-3 pkg	24612	4
Ambient Air Pumps		
CALIPSO, sgl operator	25908	73
CAP-4, 4 operators w/ frame	22530	175
CAP-4C, 4 operators w/ cart	22384	205
Blast suit, heavy cotton/leather		
S (08920), M (08921), L (08922), XL (08923), 2XL (24201), 3XL (24202)		4.5 (avg.)
Blast suit, seasonal cotton/nylon		
S (22913), M (22914), L (22915), XL (22916), 2XL (22917), 3XL (25022), 4XL (24689)		3 (avg.)
Operation Manuals		
Blast Machine without Remotes	06160	
Blast Machine with		
TLR300 Remotes	22501	
TLR300 with ACS	21260	
Sentinel Valve	20951	

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