

Technical Data Sheet

Blast Machine 100L

ASME “U” Certified - BLI-100A



Note: Read and follow the Blast Machine operations manual and provide proper training for all users of the device in order to achieve a safe and effective blasting operation.

Description

100 litre high production single chamber blast machines are manufactured to suit the requirement of the industry. All machines are designed to guarantee fast filling, unrestricted airflow and easy access for inspection and maintenance. High precision abrasive metering valves give accurate delivery of all types of blasting media.

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.
- Minimum 12cfm at 50psi needed to close the pop-up valve and pressurize the blast machine.
- OSHA-required remote control system that interrupts blasting if the operator 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.
- Abrasive blast media specifically marketed for abrasive blasting and appropriate for your application.
- Appropriate blast suit, work boots, hearing and eye protection.

Features

- Concave head and conical bottom allows easy filling and easy flow of all types of abrasives.
- Heavy duty pop-up valve to give quick response to pressurization.
- Lifting eyes for easy mobility.
- Special Designed Hose Connection for easy maintenance.
- Mobility all machines mounted on large rugged wheels for easy maneuverability on site.
- Working pressure of xx bar
- A full range of Abrasive Metering Valves are available.
- Standard fitted with: - RCV-125 pneumatic operated Remote Control System incl. DH-70
- Deadman Handle and 20 meter twin-line control hose c/w couplings. - Highly efficient Moisture Separator to prevent the entry of moisture and oil from the compressor into the blast pot .
- Machines are manufactured according to blastline standards.
- Blast time of approx 35-40 minutes

Parts List

Refer document 24114 for part list



ASME “U” Stamp

The ASME “U” Stamp certification is an indication that the pressure vessels adhere to ASME’s guideline including desing, fabrication, inspection and testing.

Standards Followed:

- Fabrication Standard:ASME SEC. VIII DIV.1
- Hydrotesting pressure: 250 psi
- Approved By: AIA (Authorized Inspection Agency)

Custom made pressure vessels ranging from

- Size and Volume .
- Horizontal or Vertical design.
- High or Low pressure ratings.

Specification

Colour	White
Capacity	100 ltr
Height	1400 mm
Weight	120 kg
Diameter	526 mm
Abrasive capacity	190 kg
Standard blast hose length	20 m
Blast nozzle orifice	Depend upon the compressor

Blastline Blast Machine System

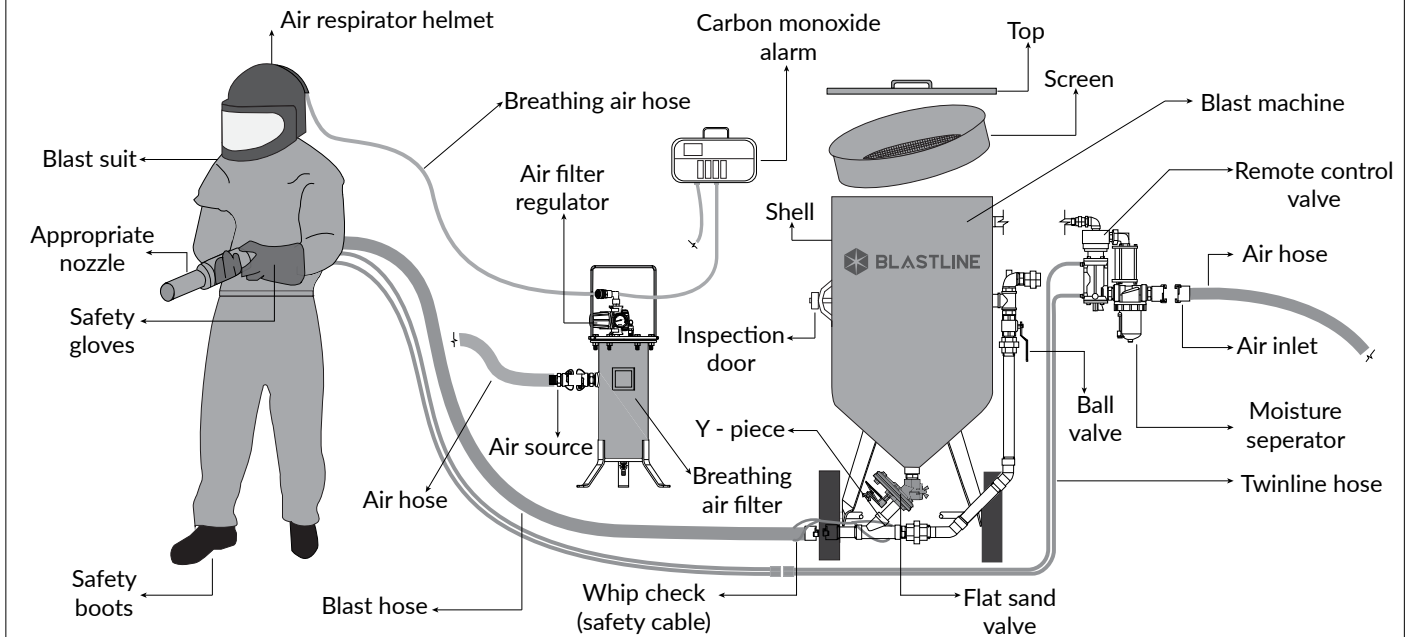


Figure 1

Components

Blast Machine

Item	Part no.	Doc no
Top cover	BL-20101	
Screen	BL-20102	
Moisture separator	BL-MS 50000	23111
Remote control valve	BL-RC 90000	23100
Flat sand valve	BL-SV 60000	23103
Hex nipple	BL-14112	
Ball valve	BL-14114	
Shell	BL-14139	
Elbow	BL-14126	
Tee joint	BL-14113	
Y-piece	BL-14121	
Inspection door	BL-14109	

Hoses

Breathing air hose	BL-AH 20000	23106
Blast hose	BL-BH 20000	23104
Twinline hose	BL-TH 40000	23107
Air hose		23168 & 23169

Safety

Item	Part no.	Doc no.
Air respirator helmet	BL-H 10000	
Blast suit	BL-S 10000	23118
Safety gloves	BL-G 10000	23118
Safety boots	BL-B 10000	
Whip check	BL-W 10000	23163
Dead man handle	BL-DH 70000	23102
Carbon monoxide alarm	BL-A 10000	

Air Filter

Breathing Air Filter	BL-BF 1000000	23117
Drain valve	BL-BF 1000001	23117
Air filter cartridge	BL-BF 1000015	23117
Coupling	BL-BF 1000017	23117
Air filter regulator	BL-BF 1000013	23117
Pressure gauge	BL-BF 1000009	23117
Quick connection nozzle	BL-BF 1000011	23117
Handle	BL-BF 1000010	23117