



PIRATE[®]
BRAND
ABRASIVE BLASTING

SPH & SPH PINCH BULK BLASTERS

S-SERIES



See limited warranty documentation for complete details



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Warranty Information

PIRATE BRAND® ABRASIVE BLAST POT EQUIPMENT 5 YEAR / 10 YEAR LIMITED WARRANTY

5 YEAR LIMITED ABRASIVE BLAST POT WARRANTY. Manufacturer warrants the complete abrasive blast pot it manufactures to be free of defects in material and workmanship for a period of five (5) years from the date of invoice.

10 YEAR LIMITED PRESSURE VESSEL WARRANTY. Manufacturer warrants the abrasive blast pot pressure vessel it manufactures to be free of defects in material and workmanship for a period of ten (10) years from the date of invoice.

LIMITATION OF WARRANTIES AND REMEDIES. THIS WARRANTY IS EXTENDED ONLY TO THE BUYER WHO PURCHASES THE ABRASIVE BLAST POT DIRECTLY FROM THE MANUFACTURER OR ITS AUTHORIZED DISTRIBUTORS AND IS NON-TRANSFERABLE. THE PURCHASER'S EXCLUSIVE REMEDY ARISING FROM ITS PURCHASE OR USE OF THE PRODUCT SHALL BE STRICTLY LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCTS, AT THE DISCRETION OF THE MANUFACTURER, AND ALL WARRANTY CLAIMS OR REQUESTS MUST BE MADE IN WRITING TO THE MANUFACTURER WITHIN TEN (10) DAYS AFTER FAILURE OF THE PRODUCT. ALL OBLIGATIONS OR LIABILITIES OF MANUFACTURER OR SELLER FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE PRODUCT AND USE OR PERFORMANCE OF THE PRODUCTS, EXCEPT AS EXPRESSLY PROVIDED HEREIN, ARE FULLY DISCLAIMED AND EXCLUDED, AND NO SELLER OR DISTRIBUTOR HAS ANY AUTHORITY TO MAKE ANY WARRANTY OR ASSUME ANY LIABILITY ON BEHALF OF THE MANUFACTURER IN CONNECTION WITH THE SALE OF THE PRODUCT EXCEPT AS STATED HEREIN.

AS A CONDITION OF THE PURCHASE, PURCHASER AGREES THAT MANUFACTURER AND SELLER SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE FOR ANY COST OF FREIGHT, SHIPPING OR TRANSPORTATION, LABOR, SPECIAL CHARGES, NORMAL MAINTENANCE SERVICES, LOST OPERATING TIME, LOSS OF USE, LOST PROFITS, LOSS OF GOODWILL, CONSEQUENTIAL DAMAGES, PUNITIVE OR EXEMPLARY DAMAGES, OR OTHER DAMAGES OR LOSS. OTHER THAN AS DESCRIBED HEREIN, MANUFACTURER AND SELLER MAKE NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, AND SPECIFICALLY DISCLAIM ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHER WARRANTY. PURCHASER ASSUMES ALL RISK AND LIABILITY RESULTING FROM THE USE OF THE PRODUCTS. PURCHASER FURTHER AGREES AS A CONDITION OF THE SALE AND THE USE OF THE PRODUCT, THAT ANY DAMAGES OR RISK OF LOSS OTHER THAN AS DESCRIBED HEREIN ABOVE, SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE PURCHASER AND NOT THE MANUFACTURER OR SELLER. MANUFACTURER AND SELLER SHALL NOT BE LIABLE FOR ANY DAMAGES INCURRED BY ANY PERSON AS A RESULT OF MISUSE, IMPROPER INSTALLATION, IMPROPER APPLICATION, IMPROPER OPERATION OF THE PRODUCTS, NORMAL WEAR AND TEAR, ALTERATIONS OR MODIFICATIONS MADE TO THE PRODUCTS, OR ACCIDENT. THE USE OF REPLACEMENT PARTS NOT PROVIDED OR AUTHORIZED BY THE MANUFACTURER VOIDS ALL WARRANTIES.

A COMPLETELY FILLED OUT WARRANTY CARD MUST BE RETURNED TO THE MANUFACTURER WITHIN THIRTY (30) DAYS OF PURCHASE OF THE PRODUCT OR ALL WARRANTIES ARE VOID. PRODUCT MUST BE MAINTAINED IN ACCORDANCE TO THE MAINTENANCE SCHEDULE PROVIDED IN THE PRODUCT MANUAL, FAILURE TO MAINTAIN THE PRODUCT IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE VOIDS ALL WARRANTIES. THIS WARRANTY DOES NOT COVER FACTORY INSTALLED OR CUSTOMER INSTALLED ACCESSORIES.

WARRANTY CLAIMS. Warranty claims must be submitted to the manufacturer within ten (10) days after failure of the product. Contact information for warranty claims:

Forecast Sales, Inc.
2719 Tobey Dr., Indianapolis, IN 46219
317-829-0147



HOW BULK SYSTEMS WORK

How SPH Bulk Systems Work

(PRESSURE HOLD NORMALLY CLOSED VALVES)

ADDING ABRASIVE

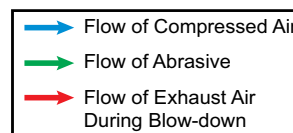
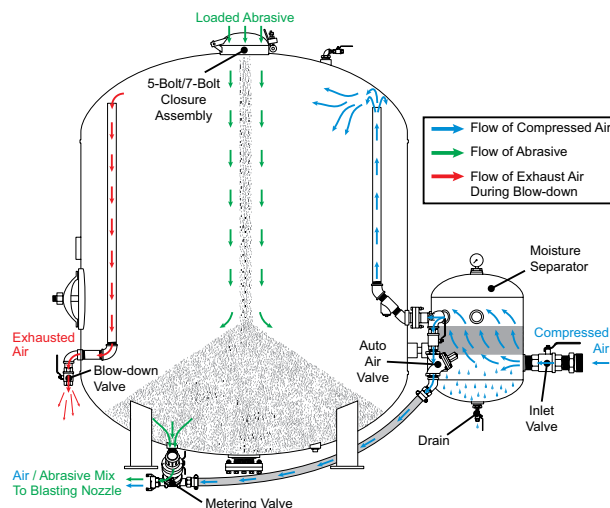
Abrasive is added through the 5-Bolt/7-Bolt Closure Assembly at the top of the Abrasive Blaster. When abrasive is added, it flows down through the hole, around the Double Seal Posi Seal Valve (If Equipped), and down to the bottom of the pressure vessel where it will exit through the Metering Valve when blasting is started.

PRESSURIZATION

Before pressurization can take place in a pressure hold system, the Blow-down Valve must be closed, and the 5-Bolt/7-Bolt Closure Assembly must be properly closed according to the procedures described in the "Operating Procedures" section of this manual on blasters not equipped with the Double Seal Posi Seal Valve. Then, when a compressed air source (such as an air-compressor) is connected to the inlet of the Abrasive Blaster and the Inlet Valve is opened, compressed air can flow through the Moisture Separator and into the pressure vessel causing the pressure vessel to fill with compressed air. When the control handle is activated, the Auto Air Valve and Metering Valve open allowing compressed air & abrasive to flow and mix. The mixture of compressed air and abrasive will now exit the Abrasive Blaster through a blast hose and nozzle connected to the coupling on the Metering Valve and blasting begins.

DE-PRESSURIZATION (BLOW-DOWN)

When the control handle is released in a pressure hold (SPH) system, the pressure vessel remains filled with compressed air. The compressed air remaining in the pressure vessel is released when the inlet valve is manually closed and the blow-down valve is manually opened.



APV METERING VALVE

How SPH PINCH Bulk Systems Work

(PRESSURE HOLD / NORMALLY OPEN VALVES)

ADDING ABRASIVE

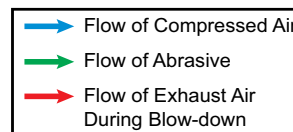
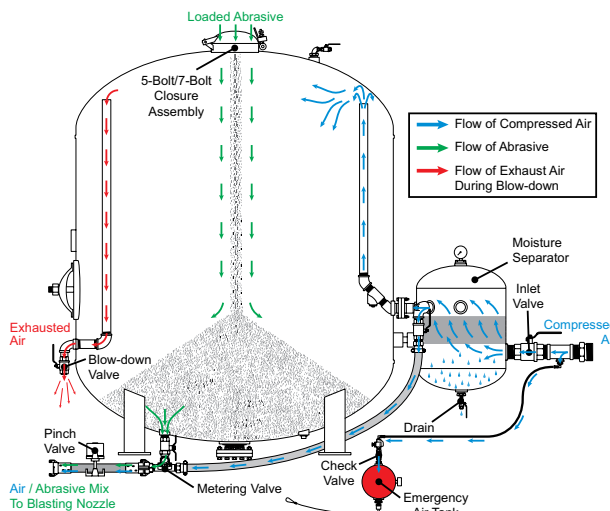
Abrasive is added through the 5-Bolt/7-Bolt Closure Assembly at the top of the Abrasive Blaster. When abrasive is added, it flows down through the hole, around the Double Seal Posi Seal Valve (If Equipped), and down to the bottom of the pressure vessel where it will exit through the Metering Valve when blasting is started.

PRESSURIZATION

Before pressurization can take place in a pressure hold system, the Blow-down and Inlet Valves must be closed, and the 5-Bolt/7-Bolt Closure Assembly must be properly closed according to the procedures described in the "Operating Procedures" section of this manual on blasters not equipped with the Double Seal Posi Seal Valve. Then, when a compressed air source (such as an air-compressor) is connected to the inlet of the Abrasive Blaster and turned on, the Emergency Air Tank is pressurized and the Pinch Valves close. The Emergency Air Tank is a safety feature that will store a reserve of compressed air that will be available to close the pinch valves in the event of a compressor failure. When the Inlet Valve is opened, compressed air can flow through the Moisture Separator and into the pressure vessel causing the pressure vessel to fill with compressed air. When the control handle is activated, the Pinch Valve opens allowing compressed air & abrasive to flow. The mixture of compressed air and abrasive will now exit the Abrasive Blaster through a blast hose and nozzle connected to the coupling on the Pinch Valve hose and blasting begins.

DE-PRESSURIZATION (BLOWDOWN)

When the control handle is released in a pressure hold (SPH) system, the pressure vessel remains filled with compressed air. The compressed air remaining in the pressure vessel is released when the inlet valve is manually closed and the blow-down valve is manually opened.



PINCH VALVE

STANDARD / INCLUDED FEATURES

THE EXTRAS COME STANDARD WHEN YOU BUY PIRATE BRAND®

When you buy a Pirate Brand® Abrasive Blaster, you get a comprehensive list of standard features included at no extra cost. The following features come standard when you purchase a new S-Series Bulk Abrasive Blaster.

HEAVY WALL PRESSURE VESSEL

TESTED & PROVEN

Hydro Tested to 225 PSI, heavy wall (3/8" thick on 120 cu ft vessels & 1/2" thick on 160 cu ft vessels), ASME & CRN certified for all provinces.

DURABILITY & LONGEVITY

Powder-coated vessel and manway cover.

HIGH PERFORMANCE

150 Max PSI.
Blasting at higher pressure yields better productivity.

FULLY SEAL WELDED

Eliminates rust & corrosion that can form in gaps.



EASE OF ACCESS / GRIP

Curved ergonomic ladders with twisted rungs & grab bars.

PIRATE BRAND® METERING VALVES

APV WITH URETHANE SLEEVE STANDARD (SPH SERIES)



STANDARD APV VALVE

- Tungsten Carbide Sleeve upgrade available
- APV II™ upgrade available
- APV Big-Bore™ upgrade available

PINCH VALVES / MPV METERING VALVES STANDARD (SPH PINCH SERIES)



PINCH VALVE

MPV METERING VALVE

- MPV II™ upgrade available
- #100 metering valve traditional design also available

2" LIFTING EYES

Allow for easier attachment when lifting. SePCo and BHP certification is still available by request. INDIVIDUAL LUG TESTED TO 71,190 LB!



4" CLEAN OUT PORT

Allows for draining of abrasive from the pressure vessel.



STANDARD / INCLUDED FEATURES



5 YEAR LIMITED WARRANTY
ON COMPLETE BULK ABRASIVE BLASTER

10 YEAR LIMITED WARRANTY
ON PRESSURE VESSEL

See limited warranty documentation for complete details.



SAFETY VALVE

The Safety Valve is designed to allow you to check if the vessel is pressurized before opening the top closure, preventing serious injury or death.



EASY BLOWDOWN ACCESS

The blowdown is conveniently located near the bottom of the pressure vessel and can be reached from ground level.

RACK PORTS

Bulk Bag rack-ready.

AIR MANIFOLD

Distributes air to each outlet & pressure vessel efficiently.



HEX NIPPLE FITTINGS

Located at pusher line connections to prevent gasket damage.



SPH, 4 Outlet, Electric Bulk Abrasive Blaster shown on optional yard trailer.



MANUAL ENCLOSURE

The info you need is kept safe & close with this durable manual box and waterproof/durable manual.



SECURE TRANSPORT

Tie Down Hooks ensure damage-free, secure transportation.



EMERGENCY AIR TANK

Compressed Air Reserve Tank keeps Pinch Valves closed in the event of Air Compressor failure.

SPH PINCH SYSTEM ONLY

BUILD A BLASTER

FIRST CHOOSE FROM THESE STANDARD CONFIGURATIONS

1 SERIES

- SPH
- SPH PINCH

SPH is our standard recommended setup featuring automatic metering valves. The "old school" SPH PINCH series features pinch valves and MPV metering valves. Both systems are pressure hold.

2 CAPACITY

- 160 Cu Ft (4,530 Liters)
- 120 Cu Ft (3,398 Liters)
- 100 Cu Ft (2,831 Liters)

3 OUTLETS

- 2 Outlets
- 3 Outlets
- 4 Outlets

4 CONTROLS

- Pneumatic
- Electric - 12VDC

Controls include dead-man control handles and 110' pneumatic twin-line control hose or 110' X-Treme™ Duty electric control cable per outlet.

NEXT STEP

CHOOSE A MOUNTING OPTION

MOUNTING OPTIONS

HIGHWAY TRAILERS



POWDER-COATED FRAME & FENDERS FOR ADDED DURABILITY & LONGEVITY.

INCLUDES

Electric Brakes on BOTH axles
LED DOT Lighting Package with Industrial-Grade Sealed Wiring Harness
Adjustable Pintle Eye
12,000 LB Jack
Spare Tire & Mount
Fenders
Safety Chains
Break Away Kit
Powder-Coated Frame

AVAILABLE MODELS

14,000 LB GVWR
(6,350 kg GVWR)
4 Wheels/Tires + Spare
Torsion Bar Suspension
Weight: 1,800 lbs

16,000 LB GVWR
(7,250 kg GVWR)
4 Wheels/Tires + Spare
Torsion Bar Suspension
Weight: 2,000 lbs

YARD TRAILERS

OFF ROAD USE ONLY



POWDER-COATED FRAME INCLUDED ON ALL YARD TRAILERS.

INCLUDES

Adjustable Pintle Eye
12,000 LB Jack
Safety Chains
Powder-Coated Frame

AVAILABLE MODELS

14,000 LB
(6,350 kg GVWR)
4 Wheels/Tires
Torsion Bar Suspension
Weight: 1,400 lbs

16,000 LB
(7,250 kg GVWR)
4 Wheels/Tires
Torsion Bar Suspension
Weight: 1,600 lbs

SICK OF JACKS BREAKING?

STEP UP TO **PIRATE BRAND**
YARD & HIGHWAY TRAILERS!

**ALL OUR TRAILERS FEATURE
12,000 LB CAPACITY JACKS!**

**WHEREVER BLASTING TAKES YOU – MOBILE OR STATIONARY –
WE HAVE A MOUNTING SOLUTION.**

MOUNTING OPTIONS

SKID BULK UNIT MOUNT WITH FORK POCKETS



LADDER EXTENSIONS RECOMMENDED (SEE P. 9)

DETAILS

Gravel Guard™ elevated skid comes standard with 2" clearance below fork pockets to prevent objects from entering.

Crash Guard™ upgrade available to protect control valves/inlet side from collision damage.

AVAILABLE MODELS

SKID MOUNT

LENGTH: 124 ½" WIDTH: 53 ¼" HEIGHT: 19"

FORK POCKETS

LENGTH: 4 ½" WIDTH: 9 ½" SPACING: 45", center-to-center

STATIONARY LEG EXTENSIONS



NOT FOR USE WITH SPH PINCH BLASTERS

LADDER EXTENSIONS RECOMMENDED (SEE P. 9)

DETAILS

Stationary mount for non-pinch systems.

AVAILABLE MODELS

20" LEG EXTENSIONS
10" LEG EXTENSIONS

STATIONARY LEG EXTENSIONS WITH PINCH VALVE MOUNT



LADDER EXTENSIONS RECOMMENDED (SEE P. 9)

DETAILS

Stationary mount for SPH Pinch Systems (includes Legs)

AVAILABLE MODELS

WITH 20" LEGS
WITH 10" LEGS

NEXT STEP 

CHOOSE CONVENIENCE OPTIONS / UPGRADES

CONVENIENCE OPTIONS / UPGRADES

While the **STANDARD / INCLUDED OPTIONS** (P. 4-5) offer a superb collection of features, these five Convenience Options / Upgrades — including the **RECOMMENDED CONVENIENCE PACKAGE UPGRADE** shown below — can help make the task of using and maintaining your bulk blaster easier. Pick and choose from the options on these two pages to configure the perfect bulk blaster for you.

**RECOMMENDED
UPGRADE**

The Convenience Package

SINGLE UPGRADE WITH ALL 4 UPGRADES INCLUDED

The four parts shown below form the Pirate Brand® Convenience Package. Specially chosen and recommended by our experts, these four parts upgrade your blasting system for ultimate ease of use and convenience.



**BIG-BORE™ UNION
END BALL VALVES**

Large inside diameter for unrestricted abrasive flow, ergonomic handle & union end to make removing metering valves for servicing or clearing blockages much easier. One per outlet.



PRESSURE GAUGE

Measures air pressure at the manifold or moisture separator. Indispensable tool in troubleshooting and dialing in performance.



CLEAN OUT FLANGE

Much easier than using a pipe plug when draining abrasive. Allows you to start/stop abrasive draining and eliminates the possibility of pipe plug leaks or threads jammed with abrasive.

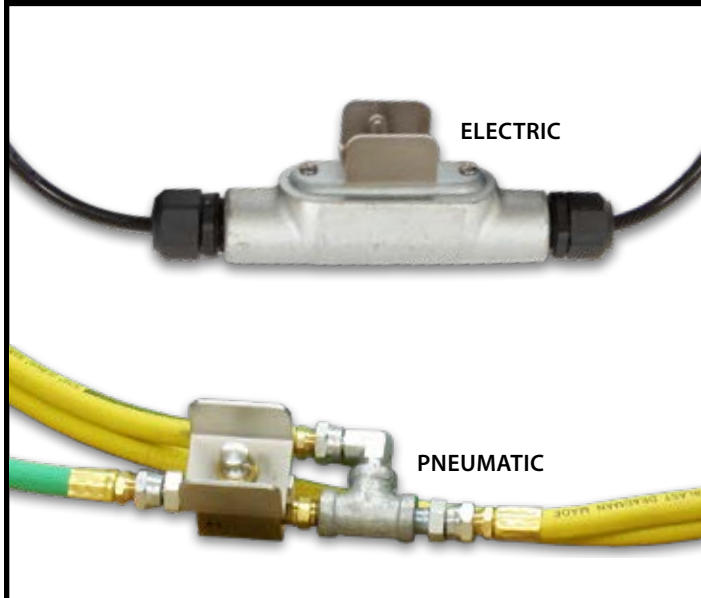


EXHAUST MUFFLER

Adding a muffler to your blow-down dramatically decreases the noise when pressure is released.

CONVENIENCE OPTIONS / UPGRADES

Abrasive Cut-Off System



Allows operator to turn off abrasive flow and clean project off with abrasive-free, compressed air. Switch/button located near control handle.

Bulk Bag Rack



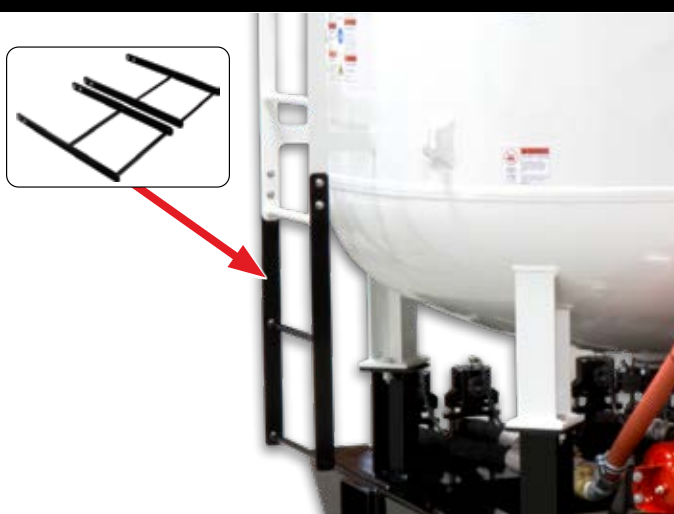
Safe and secure way to handle overhead bulk abrasive bag loading.

Single Point Blowdown System



Allows you to pressurize and de-pressurize abrasive vessel with a single point palm button control.

Ladder Extensions w/ Twisted Rungs



A MUST WITH SKID MOUNTS & LEG EXTENSIONS

Mounted under the existing ladders, ladder extensions make it easier to climb the side ladders and access the top of the pressure vessel.

NOT FOR USE WITH TRAILER-MOUNTED BLASTERS.

NEXT STEP 

CHOOSE PERFORMANCE OPTIONS / UPGRADES

PERFORMANCE OPTIONS / UPGRADES

The **PERFORMANCE OPTIONS / UPGRADES** shown here have been specifically designed to boost blasting performance and productivity by increasing the maximum air/abrasive flow, or by upgrading components for longer, trouble-free operation. When you need the ultimate in performance and reliability, Pirate Brand® gives you the muscle to get it done.

RECOMMENDED UPGRADE

Big Gun™ Full Flow System



TESTS REVEAL
36 - 100%
INCREASE IN PRODUCTIVITY

NON-PINCH SYSTEMS ONLY

- Larger automatic air valves for increased flow & blasting productivity
- Larger ground joint compressed air inlet on 3-outlet systems and above
- Full port blast hose connections
- A must when using #7 and larger nozzles

RECOMMENDED UPGRADE

Upgraded Metering Valves

SPH



Comes with Tungsten Carbide Sleeves for longer life
Powder-Coated
Filtered breather vent prevents abrasive dust from entering chamber

Hexagon cast into valve cap for ease of assembly & disassembly
4 plunger seals versus 1 in standard APV
1" clean-out port with stainless steel plug

SPH



Upgrade from the standard APV urethane sleeve to a TC Sleeve.

SPH PINCH



No bolts through the nipple prevents leaks
Powder-Coated
Nipples hardened to 55HRC for long life
Removable cartridge drastically improves serviceability

Inspect without removing the nipple or disconnecting the pusher line

SPH PINCH



For those who prefer the traditional design, we also offer the #100 Metering Valve. Not technically an upgrade.

PERFORMANCE OPTIONS / UPGRADES

Big-Bore™ Abrasive Delivery System



A must for blasting with #8 / #10 / #12 nozzles & spin blasters with 5/16" nozzles or larger!

When high abrasive flow is key to your operation, the APV Big-Bore™ system is the answer.

The more than 2X max flow rate of the Big-Bore™ is achieved by opening up the abrasive path through the valve. Pictured (above) are the sleeves through which metered abrasive flows from a standard and a Big-Bore™ valve.

INCLUDES

- Big-Bore™ APV Metering Valves
- 2" Pipe & Pusher Line
- 2" Big Gun™ Automatic Air Valves
- 1600 CFM Moisture Separator with 2" Outlets
- Full Port Blast Hose Connections

RECOMMENDED
UPGRADE

Moisture Separator



Allows airborne moisture to coalesce and drop out of the air. Water is then expelled through the drain at the bottom of the moisture separator. The drier the compressed air being used, the more trouble-free blasting will be. For added protection, consider an after cooler or air dryer, both available from Pirate Brand®.

INCLUDES

- Internal Mist Eliminator Pad

NEXT STEP 

CHOOSE SAFETY OPTIONS / UPGRADES

SAFETY OPTIONS / UPGRADES

In addition to the safety features already built **STANDARD** into Pirate Brand® Bulk Blasters, several options / upgrades are available to further enhance the safety of bulk abrasive blasting.

**RECOMMENDED
UPGRADE**

The Posi Safety Seal System



**PREVENTS MOST COMMON CAUSE
OF TOP CLOSURE INJURY
- OPERATOR ERROR.**

HUMAN ERROR-PROOF

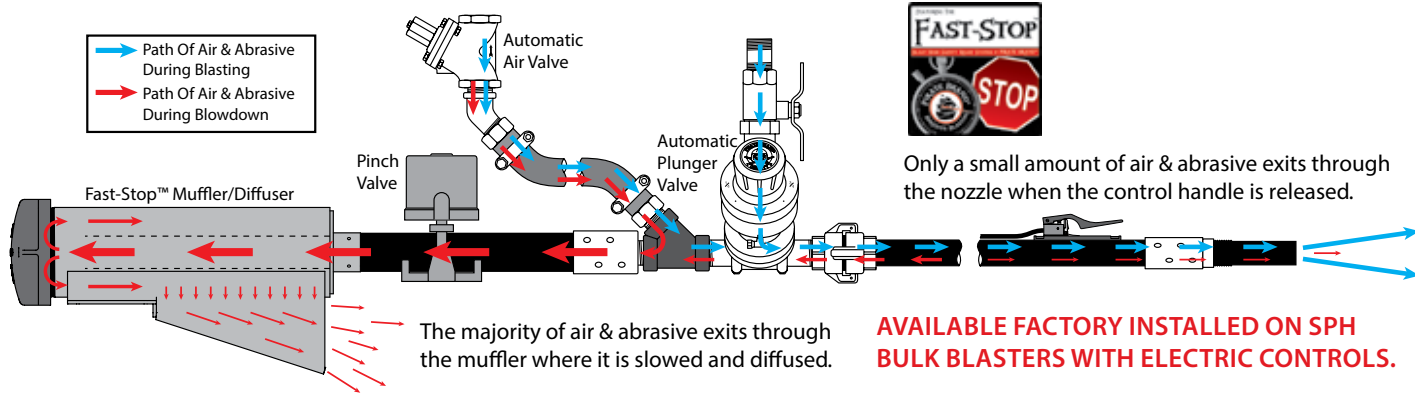
Requires no action or knowledge from the operators to keep the top closure sealed while the bulk blaster is pressurized

FULLY AUTOMATIC

Seals off the top closure automatically whenever the bulk blaster is pressurized

SAFETY OPTIONS / UPGRADES

Fast-Stop™ Blast Hose Safety Relief System



SAFER, RELIABLE, SIMPLER

System provides additional operator safety by drastically reducing the time it takes for the blast hose to de-pressurize after the control handle is released. This results in reduced whipping of the blast hose, should the operator lose their grip and drop the control handle/hose.

Since the Fast-Stop™ exhausts from the opposite end of the blast hose, it has the added safety of being



able to de-pressurize the system even when an obstruction jams in the nozzle throat or a piece of heavy equipment parks on the blast hose.

In a standard system, pressurized air would be trapped between the obstruction and the pressure vessel and be released unexpectedly.

The Fast-Stop™ System uses simple components and a reliable design to ensure the system will last long and work when needed.

Lock Out Tag Out Safety System

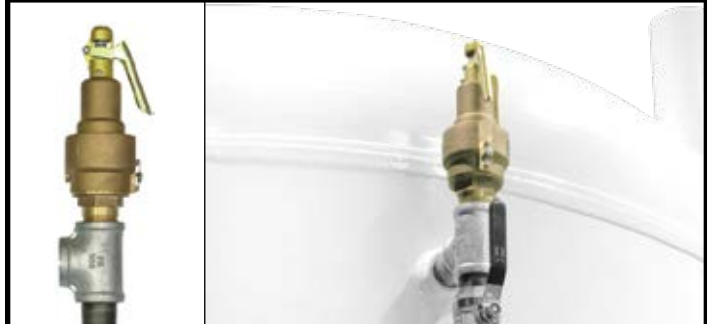


Prevents unauthorized or untrained personnel from accessing top closure

Cable keeps system from falling off & holds it in place when open

Available for Pirate Brand® and similar bulk blasters with 10" and 16" closures

Safety Relief Valve Kit






Adding a Relief Valve to your blaster can prevent dangerous over-pressurization. Local codes may require a different valve

ASME, 150 PSIG, 1602 SCFM, 1¼" NPT, Top Venting Outlet, Hard Seat

AVAILABLE CONFIGURATIONS SUMMARY

CHOOSE ONE OPTION
FROM EACH CATEGORY BELOW

THEN CHOOSE A MOUNTING OPTION BELOW

| Series | Available Capacities | Outlets | Controls | MOUNTING OPTIONS (P. 6-7) | | | | | | | | |
|---|--|---|-----------------|---------------------------|---------------------------|------------------------|------------------------|------------------------|-------------------------------|-------------------------------|----------------------------------|----------------------------------|
| | | | | Highway Trailer 14,000 LB | Highway Trailer 16,000 LB | Yard Trailer 14,000 LB | Yard Trailer 16,000 LB | Skid with Fork Pockets | Stationary 20" Leg Extensions | Stationary 10" Leg Extensions | 10" Stationary Pinch Valve Mount | 20" Stationary Pinch Valve Mount |
| SPH  STANDARD APV VALVE | 160 Cu Ft (4,530 Liters) OR 120 Cu Ft (3,398 Liters) OR 100 Cu Ft (2,831 Liters) | 4-Outlets OR 3-Outlets OR 2-Outlets | Pneumatic | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | | | 12 VCD Electric | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| SPH PINCH  PINCH VALVE  MPV METERING VALVE | 160 Cu Ft (4,530 Liters) OR 120 Cu Ft (3,398 Liters) OR 100 Cu Ft (2,831 Liters) | 4-Outlets OR 3-Outlets OR 2-Outlets | Pneumatic | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | | | 12 VCD Electric | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |

AVAILABLE CONFIGURATIONS SUMMARY

R = Recommended Upgrade

NEXT CHOOSE OPTIONS / UPGRADES FROM THE 3 CATEGORIES BELOW

| CONVENIENCE OPTIONS / UPGRADES (P. 8-9) | | | | | PERFORMANCE OPTIONS/UPGRADES (P. 10-11) | | | | | | | SAFETY OPTIONS/ UPGRADES (P. 12-13) | | | |
|---|----------------------------|------------------------|---------------|-------------------|---|-------------------------------------|-------------------------|-------------------------|----------------------|------------------|--------------------|-------------------------------------|-------------------------|--------------------------|---------------------|
| R | | | | | R | R | R | | | | R | R | | | |
| Convenience Package | Abrasive Cut-Off (On Hose) | Single Point Blow-Down | Bulk Bag Rack | Ladder Extensions | Big Gun™ Full Flow System | APV Tungsten Carbide Sleeve Upgrade | APV II™ Metering Valves | MPV II™ Metering Valves | #100 Metering Valves | Big-Bore™ System | Moisture Separator | Posi Seal Safety System | Lock Out Tag Out System | Fast-Stop™ Safety System | Safety Relief Valve |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | | ✓ |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ✓ | | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ |
| ✓ | | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ |

CUSTOM ENGINEERED

CUSTOM BULK BLASTERS: WHERE CUSTOM & QUALITY MEET

WE OFFER:

- Engineering
- Design
- Fabrication
- Abrasive Blasting
- Powder Coating
- Assembly
- Packaging
- Delivery

**ALL UNDER
ONE ROOF**

We are experts in building Custom Bulk Blasters for your customers' specific needs. Nowhere else will you find a blasting equipment manufacturer more accommodating when it comes to specialized equipment. We pride ourselves on the fact that we build reliable, affordable abrasive blast equipment that we back up with our 5 year / 10 year industry-leading limited warranty.

CAPACITY

From our Mini-Bulk™ line to our full size bulk blasters, your customer can get the balance of capacity and portability they need.

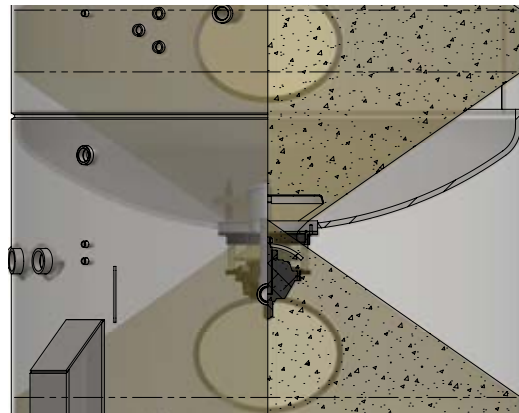


MINI BULK - 48" Diameter
60 / 75 / 80 cu ft

SUPER BULK - 72" / 84" / 96" Diameter
200 / 400 / 500 / 650 / 800 cu ft

DUAL-CHAMBER VESSEL

Need a continuous abrasive supply without stopping for refills? Try our dual chamber blast vessels.



The top chamber can refill while the bottom chamber stays pressurized.

The top chamber can then pressurize and refill the bottom chamber without blasting ever stopping.

CONE-BOTTOM VESSEL

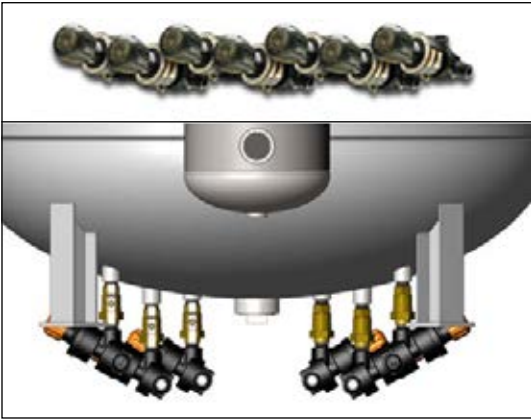
In place of a standard "bowl" shaped bottom, we can provide bulk blasters with a cone shaped bottom to allow for more complete media usage. Commonly used in steel media applications and calcined bauxite pumping pots.



CUSTOM ENGINEERED

ADDITIONAL OUTLETS

How many outlets should a bulk blaster have? You tell us. From 1 outlet up to 16, if it is possible, we will build it the way you need it.



16" TOP CLOSURE

The 16" Top Closure is an upgrade from the standard 10" closure and is not compatible with the POSI Safety Seal System. Great for loading bulk bags!



**WHATEVER YOUR NEEDS,
WE WILL WORK TO MAKE IT
HAPPEN.**

CONTROLS

With the increasing amount of automation in the blasting industry, we can build your blaster with PLC controls or connect to your existing controls. In addition to offering Electric Abrasive Blaster controls with 12 VDC, we also offer the following voltages: 12 VAC, 24 VDC, 24 VAC and 120 VAC.



FUNNEL FILL TOP CLOSURE

This is used in systems that will automatically fill from above storage hopper. An umbrella keeps the weight of the abrasive off the POSI Seal, allowing it to close. A Burp Bag is incorporated for good housekeeping.



**5 YEAR LIMITED WARRANTY
ON COMPLETE BULK
ABRASIVE BLASTER**

**10 YEAR LIMITED WARRANTY
ON PRESSURE VESSEL**

See limited warranty documentation for complete details.



CUSTOM ENGINEERED

CUSTOM BULK BLASTERS: CONTINUED

Not only can we build it, we have the knowledge, technology & manufacturing ability to do it right. From beginning to end — from high-end CAD software design to the final coat of specialized paint — our custom blasters are quality through and through. Additional lead time applies for special customization.

CUSTOM PAINT COLOR & COATINGS

Maybe you want your bulk blasting equipment in your company colors?

Or maybe you want to use a specific type of urethane top coating?

Perhaps you'd like it Powder Coated for added durability?



We can handle both needs and beyond! We stock a large variety of standard powder colors and can order just about any color from any major manufacturer your specifications require.

INTERIOR PRESSURE VESSEL COATING

When protecting your vessel for its longevity, don't neglect the inside of the vessel.

Pirate Brand® offers optional powder coating of the interior of the vessel.



Shown: Bulk vessel interior with protective coating

CUSTOM ENGINEERED

CUSTOM FABRICATION

Any type of custom fabrication can be achieved to fully meet your specific needs. Deploy instantly and save set-up time and aggravation. Spend more time blasting and less time dealing with all the little things that are required to get things going.



Just roll into the job site, connect your blast hoses and go to work!

Air compressor, air dryer, abrasive blasters, breathing air filtration – All ready to go.

WORK PLATFORM

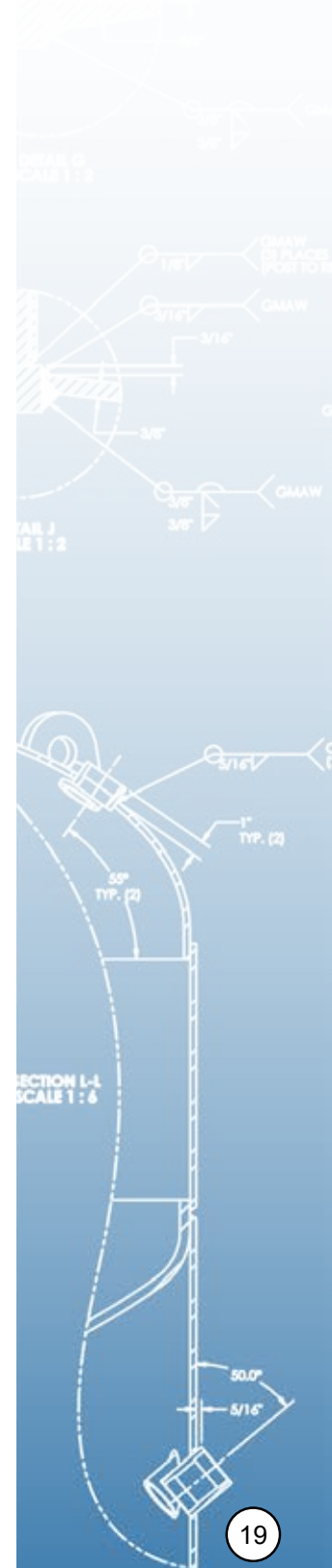
Mounted in the bulk bag rack ports, we can custom fabricate a work platform allowing workers to access the top of the bulk blaster with ease.

PLEASE NOTE:

NOT ALL COMBINATIONS OF FEATURES LISTED ABOVE ARE POSSIBLE. CUSTOM ORDERS MAY BE SUBJECT TO ADDITIONAL FEES, ORDER MINIMUMS, AND LONGER LEAD TIMES ON A CASE-BY-CASE BASIS.

CALCINED BAUXITE PUMPING POT

Used to apply bauxite abrasive for high-friction surface treatment (HFST) for roads & bridge deck applications.



CUSTOM ENGINEERED

OFF-SHORE™ BULK BLAST SYSTEMS

INCLUDED:



Off-Shore™ Bulk Blasters are tough enough for the **HARSHEST CONDITIONS** on the planet. They feature a powder coating system on the exterior for the highest durability in the toughest environmental conditions.

ALL THE FEATURES OF OUR STANDARD BULK BLASTER PLUS:

STRENGTH & DURABILITY

SePco / BHP-Ready 1" Lift Lugs

Bulk Bag Rack Tie Down Hooks

Galvanized Piping for Corrosion Resistance

Blue Powder Coated Exterior with Matching Ladder Extensions

Off-Shore Skid with Crash Guard™ and Gravel Guard™ Fork Pockets. The bottom of the pockets are raised from the ground, keeping gravel and other debris from being pushed into the pockets and then falling out onto workers when raised.

PERFORMANCE

4-Outlets / Pneumatic Controls

Available in Standard

or Big Gun™ APV II™ Metering Valves

1600 CFM Moisture Separator

OPTIONAL ADD-ONS

Big-Bore™ Performance Systems

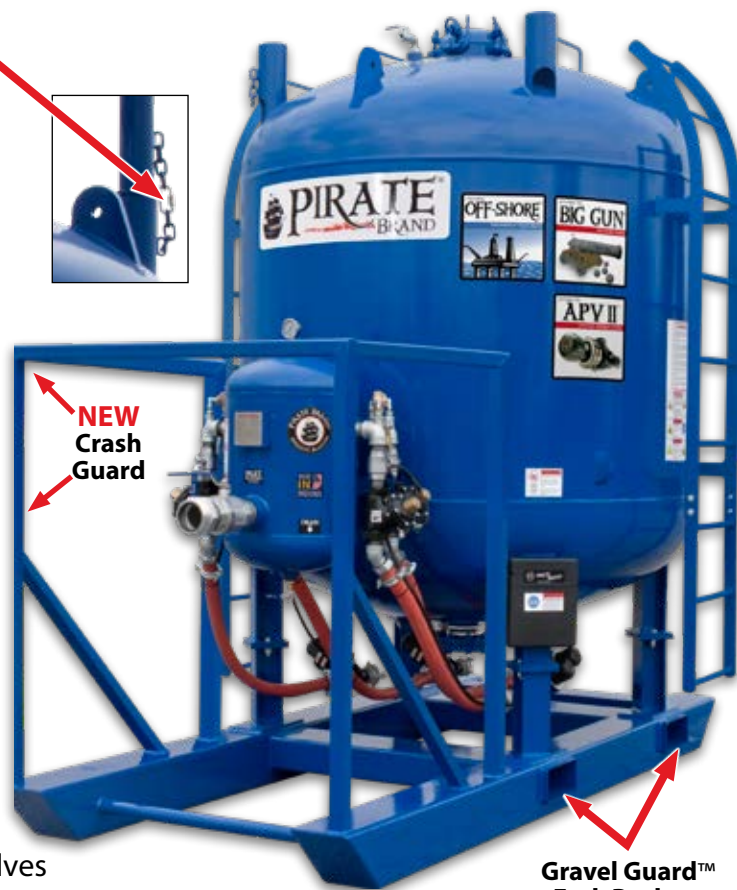
SePCo / BHP Prep & Certifications

Cable Sling & Shackle Package

Off-Shore™ Bulk Bag Rack

Interior Pressure Vessel Coating

Posi Seal Safety System & Safety Valve to prevent the accidental opening of the top closure while under pressure



OPTIONAL ADD-ONS:



CUSTOM ENGINEERED

SAMPLES: CUSTOM ABRASIVE BLASTERS

CUSTOM 160 CU FT SPH BULK BLASTER



FUNNEL FILL TOP CLOSURE

CUSTOM YELLOW COLOR

6-OUTLET MOISTURE SEPARATOR


PLC-READY ELECTRIC CONTROLS

SIX-GUN OUTLET

+ STANDARD OPTIONS / UPGRADES

- 10" Legs
- Convenience Package
- Abrasive Cut-Off
- Single Point Blowdown
- Big Gun™ Full Flow System
- APV II™ Metering Valves
- Posi Seal Safety System

CUSTOM 160 CU FT SPH BULK BLASTER



+ STANDARD OPTIONS / UPGRADES

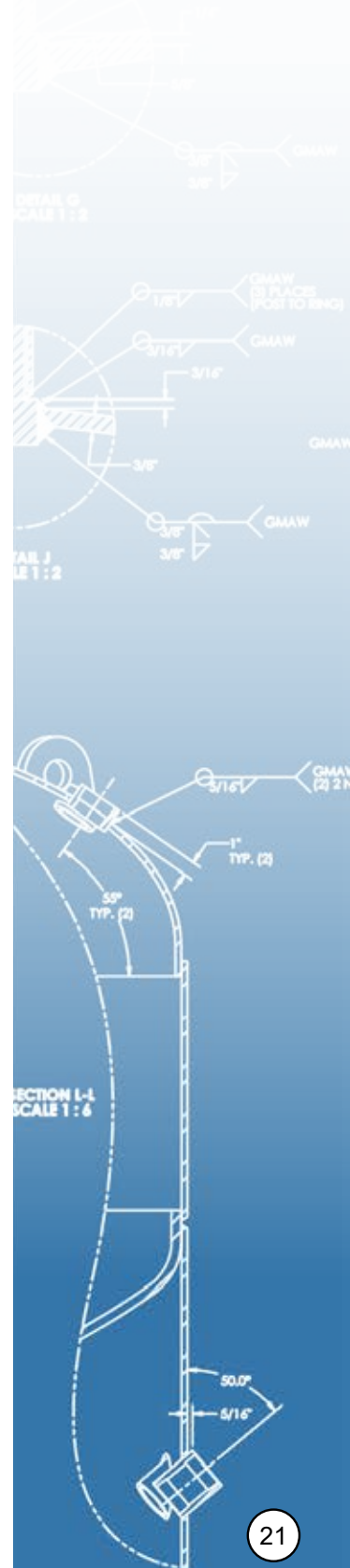
- 12VDC Electric Controls
- 10" Legs
- Convenience Package
- Big Gun™ Full Flow System
- APV II™ Metering Valves
- Posi Seal Safety System

FUNNEL FILL TOP CLOSURE W/ BURP BAG

6-OUTLET MOISTURE SEPARATOR

SIX-GUN OUTLET

At our facility we can do just about anything.



BLASTING SET UP / ACCESSORIES



Air Hose



3/4" AIR HOSE

2" AIR HOSE

3" AIR HOSE

DOUBLE SPUD

FEMALE SPUD

| | |
|-----------------|---|
| 10-034RED-050-1 | 3/4" AIR HOSE ASSEMBLY, 50', 2-LUG |
| 10-200YEL-050-1 | 2" AIR HOSE ASSEMBLY, 50', 4-LUG |
| 10-300YEL-050-2 | 3" AIR HOSE ASSEMBLY, 50', GROUND JOINT |
| GJDS-300 | DOUBLE GROUND JOINT SPUD, 3" |
| GJFS-300 | FEMALE GROUND JOINT SPUD, 3" NPT |
| 27WC-1 | SAFETY CABLE, 1/2" - 1", HOSE TO HOSE |
| 27WC-2 | SAFETY CABLE, 1 1/2" - 3", HOSE TO HOSE |
| 27WT-1 | SAFETY CABLE, 1/2" - 1 1/4", HOSE TO EQUIP. |
| 27WT-2 | SAFETY CABLE, 1 1/2" - 3", HOSE TO EQUIP. |

Nozzles & Blast Hose



| | |
|--------------------|--|
| 1348-555 | #5 TUNGSTEN CARBIDE NOZZLE, 1 1/4" ENTRY |
| 1348-556 | #6 TUNGSTEN CARBIDE NOZZLE, 1 1/4" ENTRY |
| 1648-557 | #7 TUNGSTEN CARBIDE NOZZLE, 1 1/4" ENTRY |
| 1348-558 | #8 TUNGSTEN CARBIDE NOZZLE, 1 1/4" ENTRY |
| 1348-5510 | #10 TUNGSTEN CARBIDE NOZZLE, 1 1/4" ENTRY |
| 1348-5512 | #12 TUNGSTEN CARBIDE NOZZLE, 1 1/4" ENTRY |
| 10-114BLK-050-3AL | 1 1/4" BLAST HOSE ASSEMBLY, 50', INCLUDES NOZZLE HOLDER |
| 10-114BLK-050-3XAL | 1 1/4" BIG GUN BLAST HOSE ASSEMBLY, 50', INCLUDES NOZZLE HOLDER |
| 10-114BLK-050-4AL | 1 1/4" EXTENSION HOSE ASSEMBLY, 50' |
| 10-114BLK-050-4XAL | 1 1/4" BIG GUN EXTENSION HOSE ASSEMBLY, 50' |
| 10-112BLK-050-4AL | 1 1/2" EXTENSION HOSE ASSEMBLY, 50' |
| 10-112BLK-050-4XAL | 1 1/2" BIG GUN EXTENSION HOSE ASSEMBLY, 50' |
| 10-200BLK-050-4XAL | 2" BIG GUN EXTENSION HOSE ASSEMBLY, 50' |
| 10-114TAN-010-3AL | 1 1/4" WHIP HOSE ASSEMBLY, 10', INCLUDES NOZZLE HOLDER |
| 10-114TAN-010-3XAL | 1 1/4" BIG GUN WHIP HOSE ASSEMBLY, 10', INCLUDES NOZZLE HOLDER |
| 27WC-15 | SAFETY CABLE, 1" - 2 1/2", HOSE TO HOSE |
| 27WT-1 | SAFETY CABLE, 1/2" - 1 1/4", HOSE TO EQUIP. |
| 27WT-2 | SAFETY CABLE, 1 1/2" - 3", HOSE TO EQUIP. |

BLASTING SET UP / ACCESSORIES

Breathing Equipment



| | |
|------------|--|
| NV3-702-50 | RPB® NOVA 300 RESPIRATOR |
| 407000 | RPB® NOVA 2000™ RESPIRATOR |
| 407900 | RPB® RADEX AIRLINE FILTER - 1 OUTLET |
| 407906 | RPB® RADEX AIRLINE FILTER - 6 OUTLET |
| 407029 | RPB® 50' BREATHING HOSE, 3/8" ID |
| 03-501 | RPB® C40 HOT/COLD CLIMATE CONTROL DEV. |
| 407001 | RPB® COOL TUBE W/BELT |
| 407024 | RPB® HOT TUBE W/BELT |
| 08-400-01 | RPB® GX4 CO / GAS MONITOR (120 VAC) |
| 08-401-01 | RPB® GX4 CO / GAS MONITOR (12 VDC) |



| | |
|----------|--|
| GVX2830 | BULLARD® GENVX® RESPIRATOR |
| 88VX3230 | BULLARD® 88VX RESPIRATOR |
| 41P2 | BULLARD® 41 SERIES FILTER - 2 OUTLET |
| 41P6 | BULLARD® 41 SERIES FILTER - 6 OUTLET |
| 469650 | BULLARD® 50' AIR SUPPLY HOSE - STARTER |
| 5457 | BULLARD® 50' AIR SUPPLY HOSE - EXTENSION |
| CT30 | BULLARD® CT30 COOL TUBE W/BELT |
| HCT30 | BULLARD® HCT30 HOT/COLD TUBE W/BELT |
| COHP | BULLARD® CAB CO MONITOR |

Blast Suits / Gloves



| | |
|----------|---------------------------------------|
| 122-9140 | BLAST SUIT, LIGHTWEIGHT, MEDIUM |
| 122-9150 | BLAST SUIT, LIGHTWEIGHT, LARGE |
| 122-9160 | BLAST SUIT, LIGHTWEIGHT, XL |
| 122-9170 | BLAST SUIT, LIGHTWEIGHT, XXL |
| 122-9180 | BLAST SUIT, LIGHTWEIGHT, XXXL |
| 407701 | DOUBLE PALMED LEATHER BLASTING GLOVES |

Air Dryers / After Coolers



| | |
|----------------|---|
| DLAD-750-1130 | PORTABLE AIR DRYER, 750 CFM @ 100 PSIG, 1130 CFM @ 150 PSIG |
| DLAD-900-1160 | PORTABLE AIR DRYER, 900 CFM @ 100 PSIG, 1160 CFM @ 150 PSIG |
| DLAD-1600-2300 | PORTABLE AIR DRYER, 1600 CFM @ 100 PSIG, 2300 CFM @ 150 PSIG |
| DLAC-750-1130 | PORTABLE AFTER COOLER, 750 CFM @ 100 PSIG, 1130 CFM @ 150 PSIG |
| DLAC-900-1160 | PORTABLE AFTER COOLER, 900 CFM @ 100 PSIG, 1160 CFM @ 150 PSIG |
| DLAC-1600-2300 | PORTABLE AFTER COOLER, 1600 CFM @ 100 PSIG, 2300 CFM @ 150 PSIG |

Bulk Abrasive Storage Hopper



- 725 CU FT (20,500 LITERS) CAPACITY
- INCLUDES CAGED LADDER DESIGNED TO OSHA 29 CFR STANDARDS
- DUAL 4" ABRASIVE DISCHARGE SPOUTS WITH OPEN/CLOSE GATES
- ROLL BULK BLASTER UNDERNEATH, FILL WITH ABRASIVE
- SHOWN WITH OPTIONAL TOP RAILING

| | |
|------------------|---|
| 888-1107-725PB | STORAGE HOPPER, 725 CU FT, BARE STEEL, NO PRIMER, INCLUDES LADDER |
| 888-1107-72501PB | STORAGE HOPPER, 725 CU FT, BLASTED & PRIMED, INCLUDES LADDER |
| 888-1107-72502PB | STORAGE HOPPER, 725 CU FT, BLASTED, PRIMED & PAINTED, INCLUDES LADDER |
| 888-1107-72504PB | 72" TOP HAND RAILING FOR HOPPER |

PIRATE BRAND®

At Pirate Brand®, we know abrasive blasting. We have fused our 100+ years of combined experience in the blasting industry with feedback from distributors and end-users to produce abrasive blast equipment and replacement parts that are second to none. In addition to our extensive line of blasting equipment, we produce a full line of aftermarket parts that are 100% compatible replacements for other blast equipment manufacturers. We believe in quality, reliability and productivity so we subject all our products to strict quality control testing to ensure the best possible performance is achieved.

**In the tough world of abrasive blasting, quality is crucial,
...and Pirate Brand® delivers.**



**Portable Abrasive Blasters • Stationary Abrasive Blasters • Bulk Abrasive Blasters
Soda Blasters • Air Dryers • After Coolers • Specialty Equipment • Blast Cabinet Parts
Parts For Other Brands • Safety Gear • Nozzles • Air & Blast Hose • Couplings**