



# PIRATE<sup>®</sup> BRAND

## SPH & SPH PINCH BULK BLASTERS

# S-SERIES



See limited warranty documentation for complete details



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## Table of Contents



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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

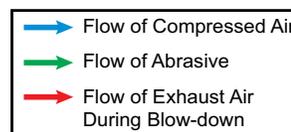
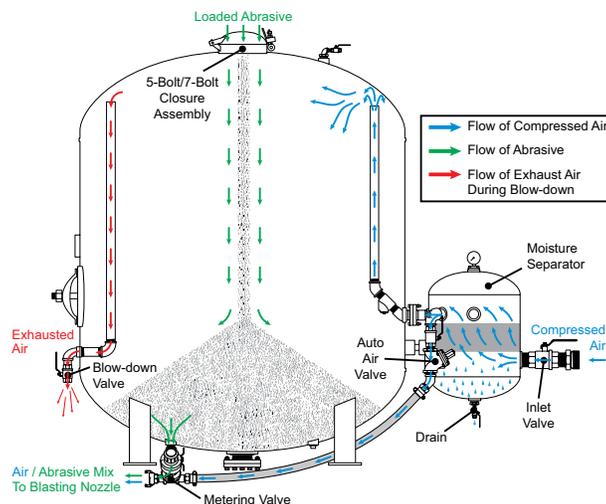
Abrasive is added through the 5-Bolt/7-Bolt Closure Assembly at the top of the Abrasive Blaster. When abrasive is added, it flows down through the hole, around the Double Seal Posi Seal Valve (If Equipped), and down to the bottom of the pressure vessel where it will exit through the Metering Valve when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

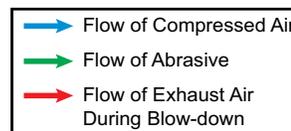
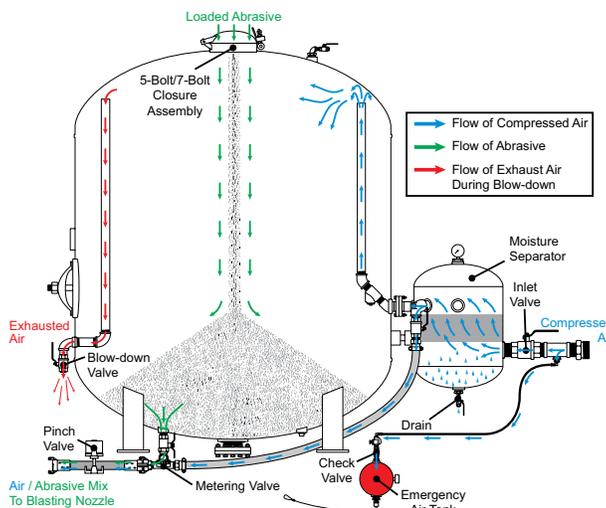
Abrasive is added through the 5-Bolt/7-Bolt Closure Assembly at the top of the Abrasive Blaster. When abrasive is added, it flows down through the hole, around the Double Seal Posi Seal Valve (If Equipped), and down to the bottom of the pressure vessel where it will exit through the Metering Valve when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



## 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**



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

# 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

**20,000 LB**  
(9,050 kg GVWR)  
8 Wheels/Tires (Dual Tandem) + Spare  
Load Leveler Leaf Spring Suspension  
Weight: 2,800 lbs

**RECOMMENDED FOR STEEL ABRASIVES**

## 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.

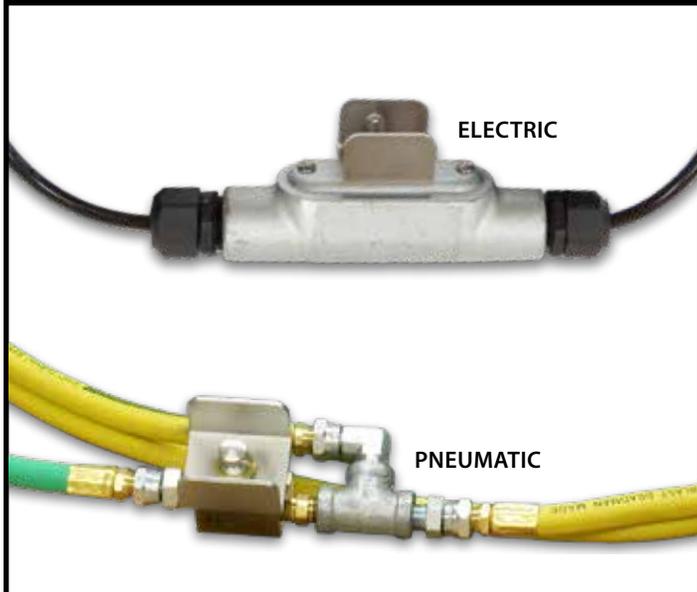


**EXHAUST MUFFLER**

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



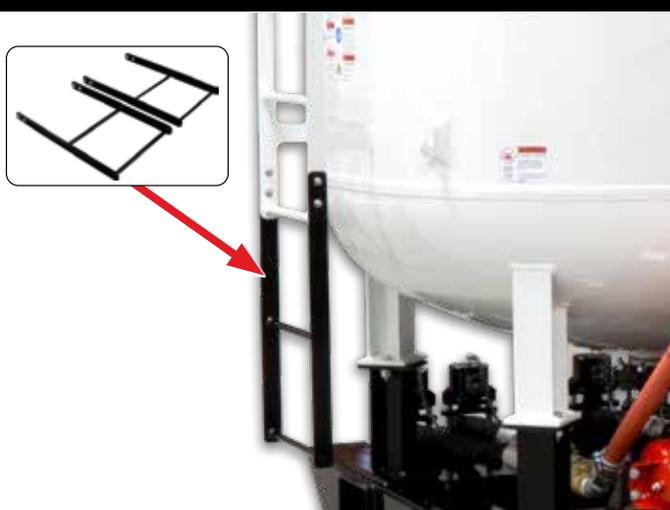
Safe and secure way to handle overhead bulk abrasive bag loading.

## 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

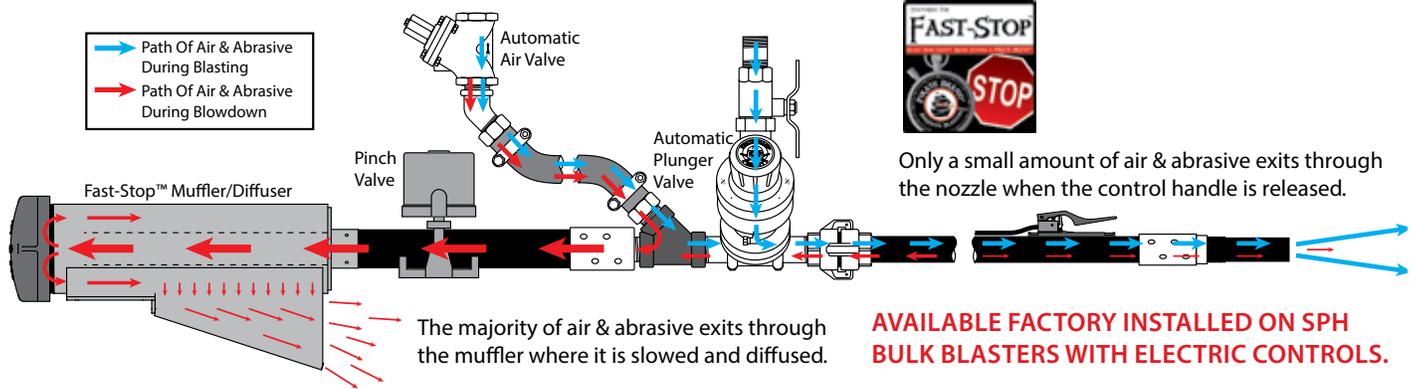
Requires no action or knowledge from the operators to keep the top closure sealed while the bulk blaster is pressurized

### 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	Highway Trailer 20,000 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
<b>SPH</b>  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	✓	✓	✓	✓	✓	✓	✓	✓		
<b>SPH PINCH</b>  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)			
<b>R</b>					<b>R</b>	<b>R</b>	<b>R</b>				<b>R</b>	<b>R</b>			
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
✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓		✓
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✓		✓	✓	✓			✓	✓			✓	✓	✓		✓

# 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.

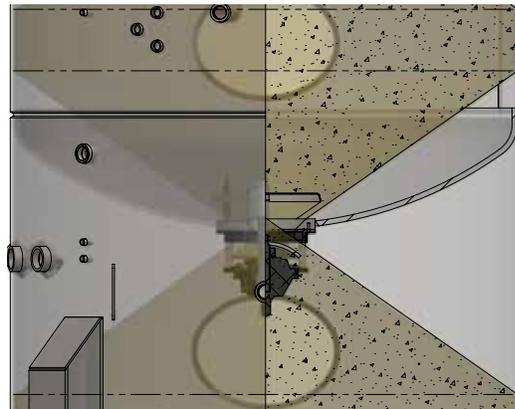


**MINI BULK** - 48" Diameter  
60 / 75 / 80 cu ft

**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

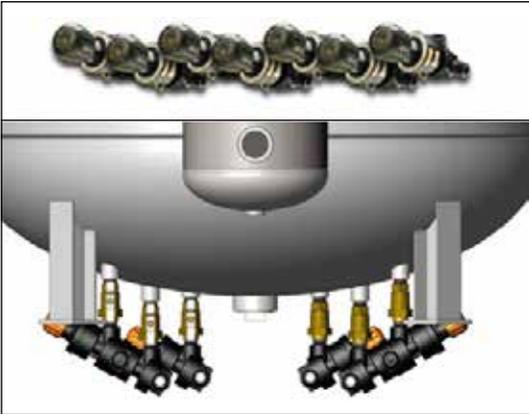
In place of a standard "bowl" shaped bottom, we can provide bulk blasters with a cone shaped bottom to allow for more complete media usage. Commonly used in steel media applications and calcined bauxite pumping pots.



# 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*

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## 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

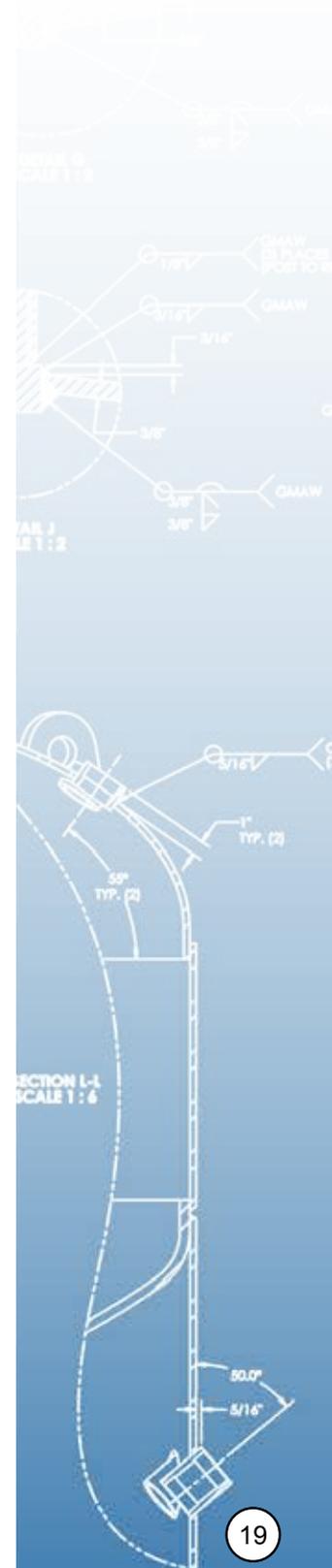
Mounted in the bulk bag rack ports, we can custom fabricate a work platform allowing workers to access the top of the bulk blaster with ease.

## 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

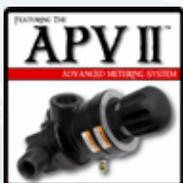
Used to apply bauxite abrasive for high-friction surface treatment (HFST) for roads & bridge deck applications.



# 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

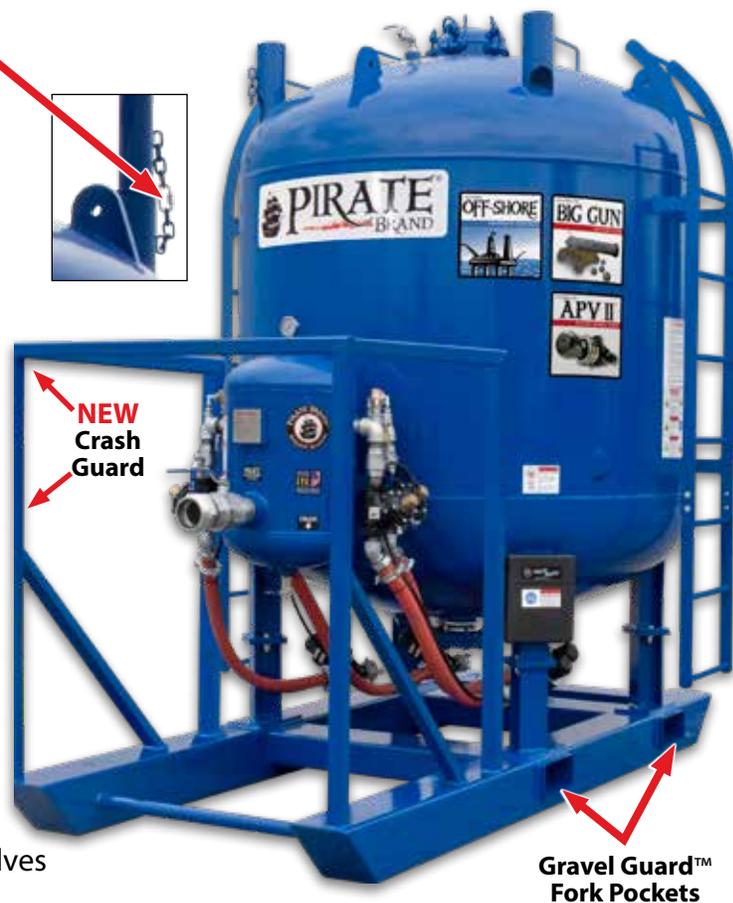
SePCo / BHP Prep & Certifications

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

**FUNNEL FILL TOP CLOSURE W/ BURP BAG**

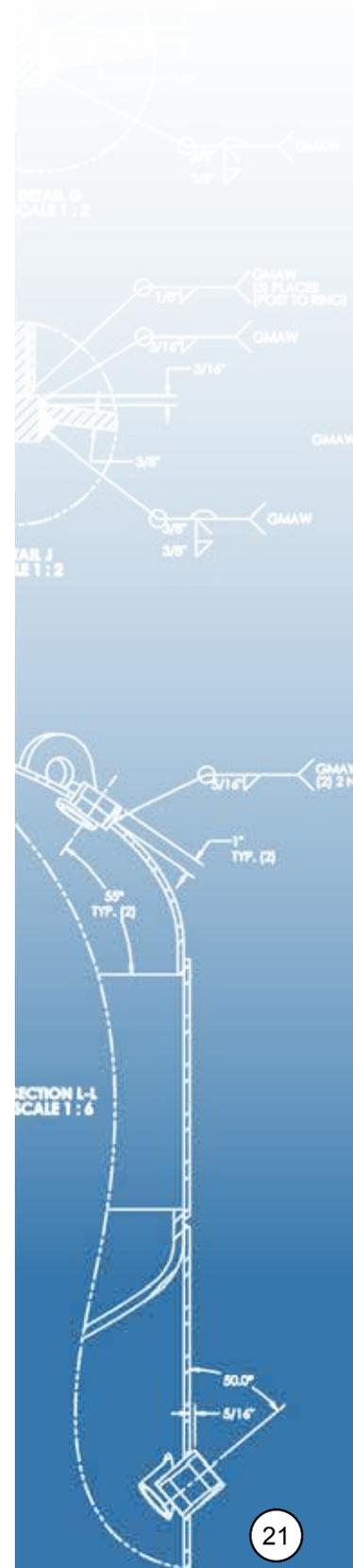
**6-OUTLET MOISTURE SEPARATOR**

**SIX-GUN OUTLET**

**+ STANDARD OPTIONS / UPGRADES**

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

**At our facility we can do just about anything.**



# BLASTING SET UP / ACCESSORIES



## Air Hose



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" <b>BIG GUN</b> 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" <b>BIG GUN</b> EXTENSION HOSE ASSEMBLY, 50'
10-112BLK-050-4AL	1 1/2" EXTENSION HOSE ASSEMBLY, 50'
10-112BLK-050-4XAL	1 1/2" <b>BIG GUN</b> EXTENSION HOSE ASSEMBLY, 50'
10-200BLK-050-4XAL	2" <b>BIG GUN</b> EXTENSION HOSE ASSEMBLY, 50'
10-114TAN-010-3AL	1 1/4" <b>WHIP HOSE</b> ASSEMBLY, 10', INCLUDES NOZZLE HOLDER
10-114TAN-010-3XAL	1 1/4" <b>BIG GUN WHIP HOSE</b> 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, 3/4" 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**