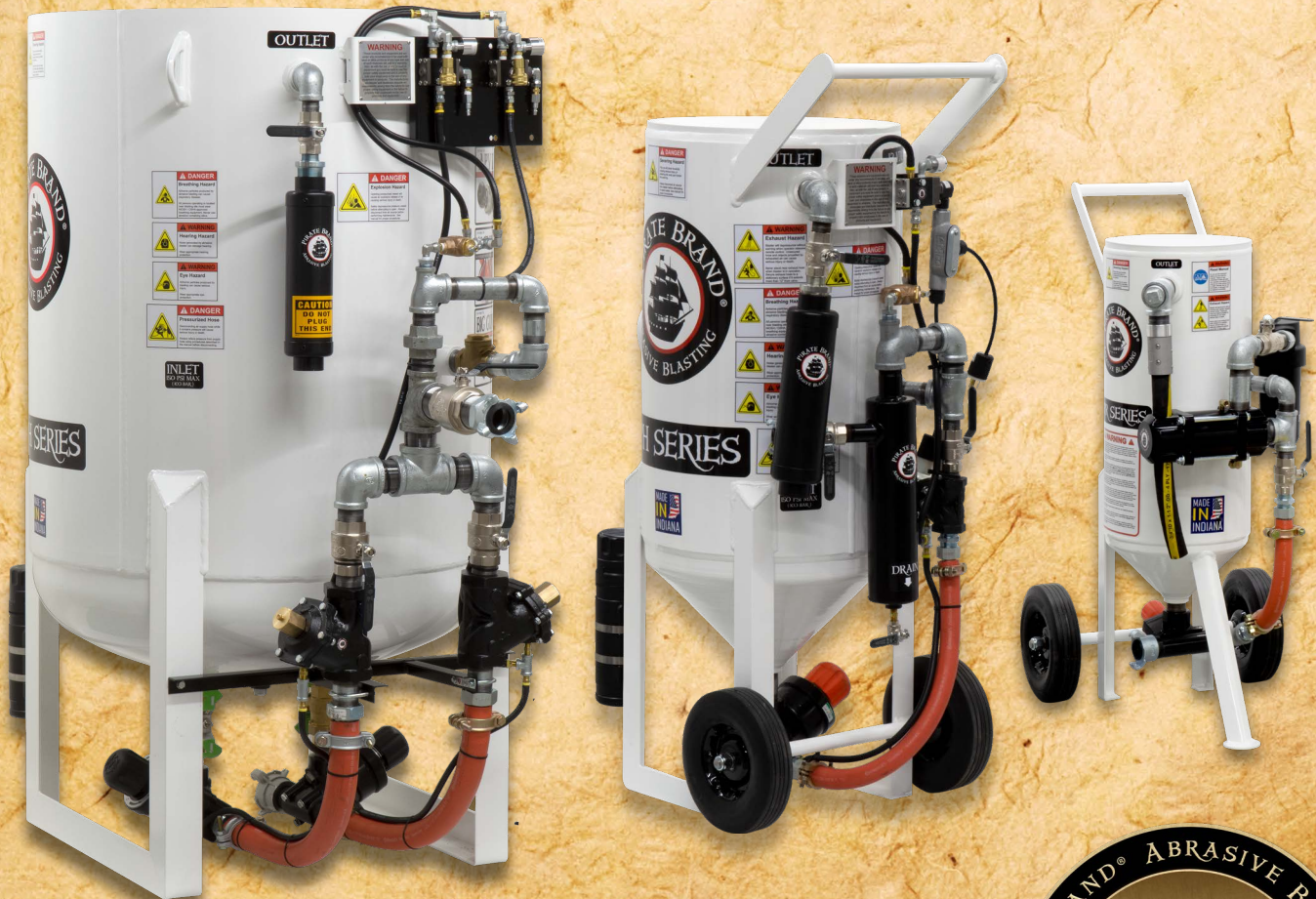




# PIRATE<sup>®</sup> BRAND

1.5 / 3.5 / 6.5 / 20 Cu Ft Portable Abrasive Blasters

## S-SERIES



See limited warranty documentation for complete details

# FEATURES & BENEFITS

## CUSTOM BUILT FOR YOU

Pressure Release (SPR) or Pressure Hold (SPH), 1.5, 3.5, 6.5 or 20 cu. ft., Urethane or Long Life Tungsten Metering Valve. Whatever your blasting needs are, Pirate Brand® has got you covered.

## QUALITY

At Pirate Brand®, we know abrasive blasting and have put our knowledge and experience to work in building the highest quality blasting equipment available. From our all galvanized pipe string with heavy wall piping at crucial wear points, to our quality powder coated metering valves and pressure vessels, Pirate Brand® blasters will be ready to work hard when you need them. To further our commitment to quality, the Survivor™ Blow Down Hose comes standard on blasters, while the X-treme Duty™ Urethane Control Cord comes standard on all electric blasters.

## HIGHER PRODUCTIVITY

The faster you can blast, the more profitable you can be. That is why we have engineered Pirate Brand® blasters to run up to 150 PSI (10.3 BAR) day in and day out, allowing you to get the job done quickly and efficiently. For the ultimate in productivity, try our BIG GUN™ full flow system. It features a zero-pressure-drop path for air & abrasive to travel to the blast nozzle. This is important because every 1 PSI of pressure gained or lost = 1.5% of productivity is gained or lost.

## ENGINEERED TO HIGHER STANDARDS

When we set out to build the best engineered abrasive blasters available, we set the bar high when it came to efficiency, performance & ease of maintenance. One way we improved efficiency was to engineer an A.S.M.E. Section VIII Division 1 & CRN for all provinces pressure vessel that can run 150 PSI (10.3 BAR) all day long. We also use high quality full-port ball valves for less restriction. When it comes to ease of maintenance, we realize it is the little things that most manufacturers don't think about that can make the difference between an easy repair and a frustrating, time-consuming nightmare. One example of the many ways in which a Pirate Brand® Abrasive Blaster is easier to maintain is the fact we use bolt clamps on our pusher lines to make field repairs easier.

## ASSEMBLED IN USA

Pirate Brand® abrasive blasters and blasting equipment are designed, built and assembled in Indianapolis, Indiana, USA. While we are located in the midwest, we are also global-minded and have the experience and know-how to ship our products anywhere in the world.



# 1.5 / 3.5 / 6.5 / 20 CU FT SIZES



**1.5 Cu Ft**  
(43 Liters)

**Portable Abrasive Blasters**

**AVAILABLE IN:**  
Pressure Release (SPR)  
Pressure Hold (SPH)

**3.5 Cu Ft**  
(100 Liters)

**Portable Abrasive Blasters**

**AVAILABLE IN:**  
Pressure Release (SPR)  
Pressure Hold (SPH)



**6.5 Cu Ft**  
(185 Liters)

**Portable Abrasive Blasters**

**AVAILABLE IN:**  
Pressure Release (SPR)  
Pressure Hold (SPH)  
Fast-Stop™

**20 Cu Ft**  
(570 Liters)

**Stationary Abrasive Blasters  
(Field Applications)**

**AVAILABLE IN:**  
Pressure Hold (SPH)  
Fast-Stop™  
1 or 2 Outlets

**OPTIONAL:**  
Fork Pockets  
Abrasive Bulk Bag Rack



# SPR SERIES

## HOW SPR (Pressure Release) SYSTEMS WORK

### ADDING ABRASIVE

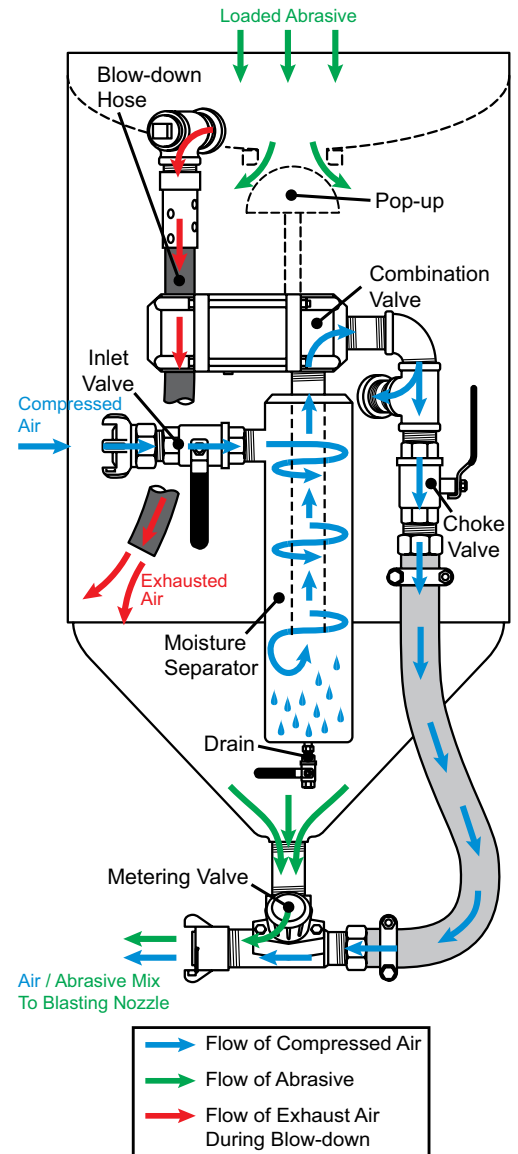
Abrasive is added through the hole in the top of the Abrasive Blaster where the Pop-up and its seat are located. When abrasive is added, it flows down through the hole, around the Pop-up, and down to the bottom of the pressure vessel where it will exit through the Metering Valve when blasting is started.

### PRESSURIZATION

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 flows through the Moisture Separator and reaches the Combination Valve where it is stopped. When the control handle is activated, the Combination Valve pinches the Blow-down Hose and air flows through the Combination Valve into the pressure vessel causing the Pop-up (located internally) to seal against its seat. The pressure vessel is now sealed and pressurized. Air will also continue past the Choke Valve to the Metering Valve where it is mixed with abrasive. The mixture of compressed air will now exit the Abrasive Blaster through a blast hose and nozzle connected to the coupling on the Metering Valve and blasting begins. It is important to note that in SPR abrasive blasters equipped with MPV Metering Valves, some abrasive will collect at the base of the valve causing the blast hose to pulsate and spray abrasive erratically for a short time when blasting is started. This is normal and will not hurt the Abrasive Blaster.

### DEPRESSURIZATION (BLOW-DOWN)

When the control handle is released in a pressure release (SPR) system, the Combination Valve automatically closes stopping the flow of compressed air and releasing the Blow-down Hose. The compressed air remaining in the pressure vessel is released through the Blow-down Hose and blasting ends.



## SPR or SPH? Two Great Systems,

### SPR Strengths

- Automatically blows down vessel when control handle is released
- Low maintenance design
- Simple troubleshooting for in field repairs
- Manual Plunger Valve is a simple reliable design that provides a wide range of adjustment of abrasive flow to the nozzle
- Great for eliminating premature blow down failure that is common with other manufacturers

### Common Applications

- Stationary blasters for blast rooms
- Great starter blaster for first-timers
- A favorite of rental houses
- Use when automatically filling from an overhead hopper

# SPH SERIES

## HOW SPH (Pressure Hold) SYSTEMS WORK

### ADDING ABRASIVE

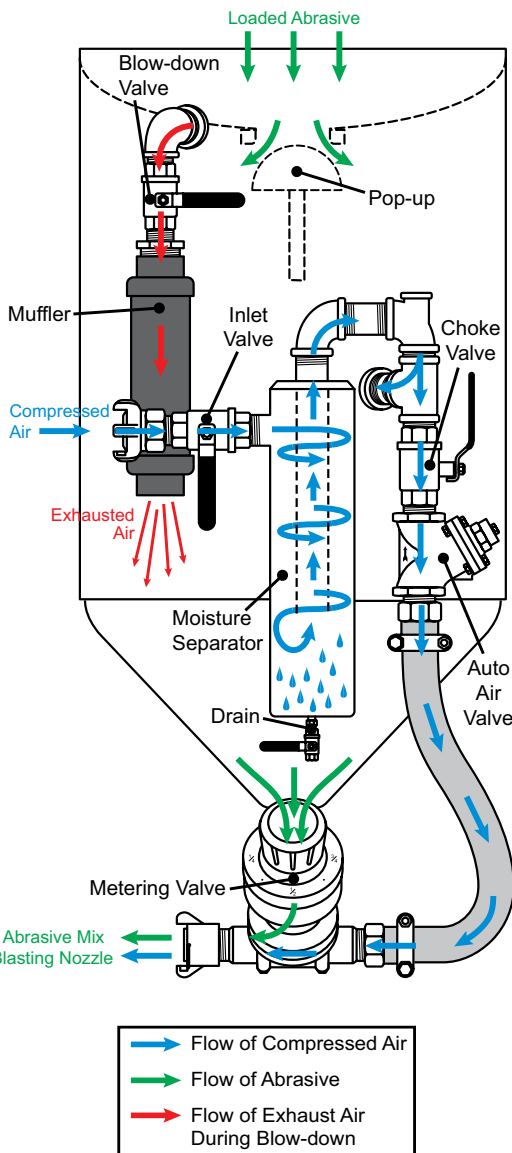
Abrasive is added through the hole in the top of the Abrasive Blaster where the Pop-up and its seat are located. When abrasive is added, it flows down through the hole, around the Pop-up and, down to the bottom of the pressure vessel where it will exit through the Metering Valve when blasting is started.

### PRESSURIZATION

Before pressurization can take place in a pressure hold system, the Blow-down Valve must be closed. 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 Pop-up (located internally) to seal against its seat allowing the pressure vessel to become pressurized. 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.

### DEPRESSURIZATION (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.



## But Which Is Right For You?

### SPH Strengths

- Reduced abrasive consumption
- Reduces moisture problems
- Smoother starts & stops
- Heavy Duty Filtered Control Valve reduces stopping time when control handle is released
- Included Blow Down Muffler reduces unnecessary loud noise
- Abrasive cut-off option for high velocity blow off

### Common Applications

- One-shot premium media blasting
- Corn cob blasting
- Precision blasting applications
- Short blast cycles



# BLASTING PACKAGES

## 1.5/3.5/6.5 cu FT Blasting Packages

Pirate Brand® offers four convenient blasting packages that are designed to give you what you need to get started blasting quickly.

### BASE

- **S-Series abrasive blaster w/pneumatic controls**
- 55' twinline pneumatic control hose
- Pneumatic #2 remote control handle.

### BRONZE

- **Everything in base package**
- + 50' blast hose assembly with coupling and nozzle holder
- + Tungsten-carbide blast nozzle

### SILVER

- **Everything in bronze package**
- + RPB® Nova 2000™ respirator rackage (respirator / filter / air line)
- + Blast suit & double-palmed blast gloves

### GOLD

- **Everything in silver package**
- + 50' air hose assembly to connect blaster to air source
- + 50' air hose assembly & coupling for breathing air filter

### Option

By request, you can order gold and silver packages with the RPB® Nova 3® or Bullard® GVX® respirator.



# BLASTING PACKAGES

## SPR PACKAGES (Pressure Release) - Pneumatic Controls



### BASE Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure release system with pneumatic controls, MPV / combination valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-12611PB-A
- 3.5 Cu Ft 888-0331-12611PB-A
- 6.5 Cu Ft 888-0531-12711PB-A



### BRONZE Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure release system with pneumatic controls, MPV / combination valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2
- Blast Hose & Nozzle

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-12611PB-B
- 3.5 Cu Ft 888-0331-12611PB-B
- 6.5 Cu Ft 888-0531-12711PB-B



### SILVER Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure release system with pneumatic controls, MPV / combination valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2
- Blast Hose & Nozzle
- RPB® Nova 2000™ Respirator Package
- Blast Suit & Blast Gloves

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-12611PB-C
- 3.5 Cu Ft 888-0331-12611PB-C
- 6.5 Cu Ft 888-0531-12711PB-C



### GOLD Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure release system with pneumatic controls, MPV / combination valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2
- Blast Hose & Nozzle
- RPB® Nova 2000™ Respirator Package
- Blast Suit & Blast Gloves
- (2) Air Hose Assemblies

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-12611PB-D
- 3.5 Cu Ft 888-0331-12611PB-D
- 6.5 Cu Ft 888-0531-12711PB-D

## SPH PACKAGES (Pressure Hold) - Pneumatic Controls



### BASE Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with pneumatic controls, AAV / APV w/urethane sleeve valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-62601PB-A
- 3.5 Cu Ft 888-0331-62601PB-A
- 6.5 Cu Ft 888-0531-62701PB-A



### BRONZE Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with pneumatic controls, AAV / APV w/urethane sleeve valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2
- Blast Hose & Nozzle

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-62601PB-B
- 3.5 Cu Ft 888-0331-62601PB-B
- 6.5 Cu Ft 888-0531-62701PB-B



### SILVER Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with pneumatic controls, AAV / APV w/urethane sleeve valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2
- Blast Hose & Nozzle
- RPB® Nova 2000™ Respirator Package
- Blast Suit & Blast Gloves

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-62601PB-C
- 3.5 Cu Ft 888-0331-62601PB-C
- 6.5 Cu Ft 888-0531-62701PB-C



### GOLD Blasting Package

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with pneumatic controls, AAV / APV w/urethane sleeve valves & moisture separator. Includes:

- 55' Twinline Assembly
- Control Handle #2
- Blast Hose & Nozzle
- RPB® Nova 2000™ Respirator Package
- Blast Suit & Blast Gloves
- (2) Air Hose Assemblies

#### PART NUMBERS

- 1.5 Cu Ft 888-0131-62601PB-D
- 3.5 Cu Ft 888-0331-62601PB-D
- 6.5 Cu Ft 888-0531-62701PB-D

# 1.5/3.5/6.5 CU FT SPECIAL UNITS

## ELECTRIC CONTROLS / LONG LIFE TUNGSTEN CARBIDE SLEEVES

**NOW STANDARD**  
**X-TREME DUTY™**  
**CONTROL CORDS**



### Electric Controls

Pirate Brand® SPR and SPH blasters with 12VDC electric remote control systems are a must when you are running more than 100' of blast hose or in sub-freezing temperatures. The electric system reduces the start up and stopping time when using long blast hose runs and are far less likely to freeze up in cold environments. Power supplies are available for when 120VAC power is required. The X-treme Duty™ Urethane Control Cord is virtually indestructible and comes standard on all electric models.



6.5 SPH Abrasive Blaster w/Electric Controls & APVII™ Metering Valve



### APVII™ Premium Metering Valve

The Pirate Brand® APVII™ (Automatic Plunger Valve II) is an extremely tough and well engineered metering valve designed to save you money. The solid tungsten carbide sleeve has a superior wear rate compared to the standard urethane sleeve allowing you to blast longer without replacing parts. Other premium features include a filtered breathing hole, adjustment indicators, and an overall more efficient design. All these features add-up making the APVII™ a tough, reliable, and simple to use valve.

## SPECIAL UNITS (NON-PACKAGED BASE UNITS)



### SPR - 12VDC Electric Controls

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure release system with 12VDC electric controls, MPV / Combination valves & moisture separator. Includes:

- 55' X-Treme™ Duty Control Cord Assembly
- Electric Control Handle #2

#### PART NUMBERS

1.5 Cu Ft 888-0132-12611PB  
3.5 Cu Ft 888-0332-12611PB  
6.5 Cu Ft 888-0532-12711PB



### SPH - Pneumatic Controls + APVII™ Metering Valve

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with pneumatic controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- 55' Twinline Pneumatic Control Hose
- Pneumatic Control Handle #2

#### PART NUMBERS

1.5 Cu Ft 888-0131-33601PB  
3.5 Cu Ft 888-0331-33601PB  
6.5 Cu Ft 888-0531-33701PB



### SPH - 12VDC Electric Controls + APVII™ Metering Valve

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- 55' X-Treme™ Duty Control Cord Assembly
- Electric Control Handle #2

#### PART NUMBERS

1.5 Cu Ft 888-0132-33601PB  
3.5 Cu Ft 888-0332-33601PB  
6.5 Cu Ft 888-0532-33701PB



### SPH - 12VDC Electric Controls

Portable abrasive blaster, 150 PSI (10.3 BAR), pressure hold system with 12VDC electric controls, AAV / APV w/urethane sleeve valves & moisture separator. Includes:

- 55' X-Treme™ Duty Control Cord Assembly
- Electric Control Handle #2

#### PART NUMBERS

1.5 Cu Ft 888-0132-62601PB  
3.5 Cu Ft 888-0332-62601PB  
6.5 Cu Ft 888-0532-62701PB



# BIG GUN™ PORTABLE SYSTEMS

## HIGH PRODUCTIVITY PORTABLE BLASTING

Pirate Brand® Blasters equipped with the **BIG GUN™** Full Flow System are designed to give you the best production possible by eliminating restriction in the blaster's air flow. Remember, for every 1 PSI of pressure lost or gained in abrasive blasting, there is a 1.5% loss or gain in productivity.

Both SPR and SPH models are equipped with 1½" zero-pressure-drop piping and a full-port blast hose connection to make the most of your air source. Additionally, SPH models are supplied with an oversized Full-Flow Auto Air Valve, loading skid/valve guard and come standard with the APVII™ Premium Metering Valve. The **BIG GUN™** Full Flow System is also a must for blasting with large bore #7 & larger nozzles. The bottom line is the more air you can move through your blaster, the more productive you will be.



Full-Flow Auto Air Valve



Full-Port Connection & APVII

## BIG GUN™ PORTABLE SYSTEMS



### SPR - BIG GUN™ - Pneumatic Controls

Portable abrasive blaster, 6.5 cu. ft., 150 PSI (10.3 BAR), pressure release system with pneumatic controls, MPV / Combination valves & moisture separator. Includes:

- BIG GUN™ 1-1/2" Combination Valve
- BIG GUN™ Full Port Blast Hose Connection
- 55' Twinline Pneumatic Control Hose
- Pneumatic Control Handle #2

#### PART NUMBER

**6.5 Cu Ft**

888-0531-12914PB



### SPR - BIG GUN™ - 12VDC Electric Controls

Portable abrasive blaster, 6.5 cu. ft., 150 PSI (10.3 BAR), pressure release system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- BIG GUN™ 1-1/2" Combination Valve
- BIG GUN™ Full Port Blast Hose Connection
- 55' X-Treme™ Duty Control Cord Assembly
- Electric Control Handle #2

#### PART NUMBER

**6.5 Cu Ft**

888-0532-12914PB



### SPH - BIG GUN™ - Pneumatic Controls

Portable abrasive blaster, 6.5 cu. ft., 150 PSI (10.3 BAR), pressure hold system with pneumatic controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- BIG GUN™ 1-1/2" Automatic Air Valve
- BIG GUN™ Full Port Blast Hose Connection
- 55' Twinline Pneumatic Control Hose
- Pneumatic Control Handle #2

#### PART NUMBER

**6.5 Cu Ft**

888-0531-33904PB



### SPH - BIG GUN™ - 12VDC Electric Controls

Portable abrasive blaster, 6.5 cu. ft., 150 PSI (10.3 BAR), pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- BIG GUN™ 1-1/2" Automatic Air Valve
- BIG GUN™ Full Port Blast Hose Connection
- 55' X-Treme™ Duty Control Cord Assembly
- Electric Control Handle #2

#### PART NUMBER

**6.5 Cu Ft**

888-0532-33904PB

# 20 CU FT SPH BLASTERS



20 CU FT 2 Outlet Blaster  
with Pneumatic Controls

## BULK POT HORSEPOWER YOU CAN FIT IN THE BED OF YOUR TRUCK!

If you need something with an abrasive capacity more than a traditional portable blaster but less than a large bulk abrasive blast machine, the 20 cu ft series from Pirate Brand® is perfect for you. With the optional abrasive bulk bag rack, available 2-outlets, and small footprint, it really bridges the gap between bulk and small blasters. Pictured with the following options:




- Bulk Bag Rack & Fork Pockets
- 800 CFM Moisture Separator
- Pressure Vessel Lid & Screen




Pirate Brand® 20 Cu. Ft. capacity SPH (Pressure Hold) blasters are a crossover between small blasters and bulk blasters. They have both massive capacity and are still portable enough not to require their own speciality trailer. They feature an oversized Fast-Fill™ pop-up to allow for faster filling. All Pirate Brand® 20 cu. ft. blasters come standard with the BIG GUN™ Full Flow System providing a low restriction air path for better productivity. Whether you require pneumatic or electric controls, an abrasive cut-off feature, single or double outlets, the Pirate Brand® line of 20 cu. ft. Blasters have got you covered.

- Pressure Hold (Manual Blow-Down)
- Fast-Fill™ Oversized Pop-Up
- Single or Dual Outlet Configurations
- 110' Pneumatic or Electric Controls
- BIG GUN™ Full Flow System Standard
- APVII™ Metering Valves with Tungsten Carbide Sleeve
- Abrasive Cut-Off Options Available
- 20 Cu. Ft. Capacity
- Abrasive Umbrella Over Pop-Up
- Available Overhead Abrasive Bulk Bag Holder



# 20 CU FT SPH BLASTERS

1-Outlet		Pneumatic Controls	Electric Controls
1-Outlet		<b>STANDARD PNEUMATIC CONTROLS</b> Includes: • Pneumatic #2 Control Handle • 110' Twinline Control Hose • APVII™ Metering Valve • BIG GUN™ Moisture Separator <b>Part Number 888-0931-33904PB-E</b>	<b>STANDARD 12VDC ELECTRIC CONTROLS</b> Includes: • Electric #2 Control Handle • 110' Control Cord • APVII™ Metering Valve • BIG GUN™ Moisture Separator <b>Part Number 888-0932-33904PB-E</b>
		<b>W/ ABRASIVE CUT-OFF (Hose Mounted)</b> Includes: • Pneumatic #2 Control Handle • 110' Twinline Control Hose w/Cut-Off Switch • APVII™ Metering Valve • BIG GUN™ Moisture Separator <b>Part Number 888-1931-33904PB-E</b>	<b>W/ ABRASIVE CUT-OFF (Cord Mounted)</b> Includes: • Electric #2 Control Handle • 110' Control Cord w/Cut-Off Switch • APVII™ Metering Valve • BIG GUN™ Moisture Separator <b>Part Number 888-4932-33904PB-E</b>
		<b>W/ ABRASIVE CUT-OFF (Vessel Mounted)</b> Includes: • Pneumatic #2 Control Handle • 110' Twinline Control Hose • APVII™ Metering Valve • BIG GUN™ Moisture Separator <b>Part Number 888-2931-33904PB-E</b>	<b>W/ ABRASIVE CUT-OFF (Vessel Mounted)</b> Includes: • Electric #2 Control Handle • 110' Control Cord • APVII™ Metering Valve • BIG GUN™ Moisture Separator <b>Part Number 888-2932-33904PB-E</b>

2-Outlet		Pneumatic Controls	Electric Controls
2-Outlet		<b>STANDARD PNEUMATIC CONTROLS</b> Includes: • (2) Pneumatic #2 Control Handles • (2) 110' Twinline Control Hoses • (2) APVII™ Metering Valves <b>Part Number 888-0941-33900PB-E</b>	<b>STANDARD 12VDC ELECTRIC CONTROLS</b> Includes: • (2) Electric #2 Control Handles • (2) 110' Control Cords • (2) APVII™ Metering Valves <b>Part Number 888-0942-33900PB-E</b>
		<b>W/ ABRASIVE CUT-OFF (Hose Mounted)</b> Includes: • (2) Pneumatic #2 Control Handles • (2) 110' Twinline Control Hoses w/Cut-Off Switch • (2) APVII™ Metering Valves <b>Part Number 888-1941-33900PB-E</b>	<b>W/ ABRASIVE CUT-OFF (Cord Mounted)</b> Includes: • (2) Electric #2 Control Handles • (2) 110' Control Cords w/Cut-Off Switch • (2) APVII™ Metering Valves <b>Part Number 888-4942-33900PB-E</b>
		<b>W/ ABRASIVE CUT-OFF (Vessel Mounted)</b> Includes: • (2) Pneumatic #2 Control Handles • (2) 110' Twinline Control Hoses • (2) APVII™ Metering Valves <b>Part Number 888-2941-33900PB-E</b>	<b>W/ ABRASIVE CUT-OFF (Vessel Mounted)</b> Includes: • (2) Electric #2 Control Handles • (2) 110' Control Cords • (2) APVII™ Metering Valves <b>Part Number 888-2942-33900PB-E</b>

## Vessel Mounted Abrasive Cut-Off

Opt for a 20 cu ft blaster with vessel mounted and you can blow-off blasted objects with the same high-velocity air you blast with. The abrasive flow can be switched on and off using a knob operated control valve located on the abrasive blaster.



## Fork Pockets

See Accessories Page



Adding fork pockets to your 20 cu ft abrasive blaster allows for easier mobility using a fork lift. Fork pocket upgrades are available with and without an optional 800 CFM moisture separator.

# FAST-STOP™ SYSTEMS

## FASTER BLOW-DOWN FOR SAFER BLASTING

The Pirate Brand® Fast-Stop™ System provides additional operator safety by drastically reducing the time it takes for the blast hose to depressurize 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 depressurize 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 when the nozzle is removed or the piece of equipment moves off of the blast hose. All of this is accomplished by the Fast-Stop™ System using simple components and a reliable design ensuring your system will last long and work when you need it to.



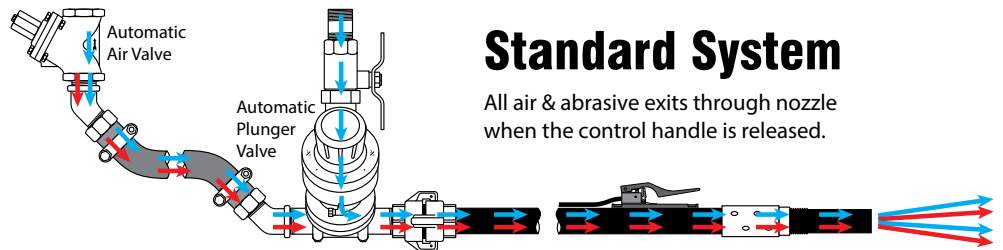
The majority of air/abrasive in the system exhausts through the Fast-Stop™ Muffler/Diffuser upon release of the remote (deadman) control.



The pinch valve opens upon release of the remote (Deadman) control allowing most of the air and abrasive to exhaust through the muffler/diffuser.

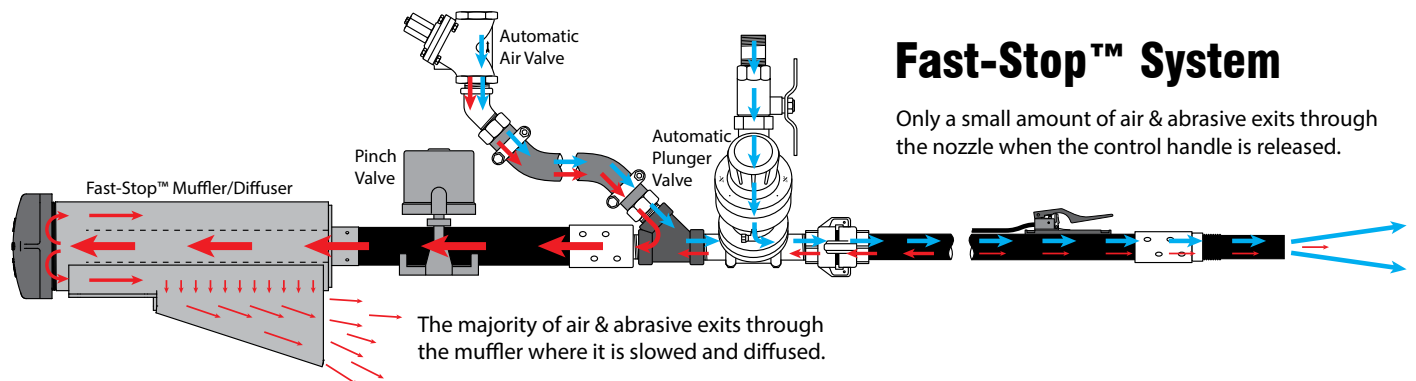
### How Fast-Stop™ Systems Work

- Path Of Air & Abrasive During Blasting
- Path Of Air & Abrasive During Blowdown



### Standard System

All air & abrasive exits through nozzle when the control handle is released.



### Fast-Stop™ System

Only a small amount of air & abrasive exits through the nozzle when the control handle is released.

The majority of air & abrasive exits through the muffler where it is slowed and diffused.

# FAST-STOP™ SYSTEMS



6.5 Cu Ft - Single-Outlet System



20 Cu Ft - 2-Outlet System



All Fast-Stop™ Systems feature the Pirate Brand® BIG GUN™ Full Flow System for high productivity blasting.

## FAST-STOP™ PORTABLE SYSTEMS

### 6.5 Cu Ft - 1-Outlet - FAST-STOP™ - 12VDC Electric Controls

Portable abrasive blaster, 6.5 cu. ft., 150 PSI (10.3 BAR), Fast-Stop™ pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- BIG GUN™ Full Flow System
- Gravel-Guard™ Skid w/Fork Pockets
- 1-1/2" Pipe String / Air Valve
- 110' X-Treme™ Duty Control Cord Assembly
- Electric #2 Control Handle
- BIG GUN™ Moisture Separator

#### PART NUMBER

**6.5 Cu Ft / 1-Outlet**  
888-0432-33904PB-EP

### 10 Cu Ft - 1-Outlet - FAST-STOP™ - 12VDC Electric Controls

Portable abrasive blaster, 10 cu. ft., 150 PSI (10.3 BAR), Fast-Stop™ pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves. Includes:

- BIG GUN™ Full Flow System
- Gravel-Guard™ Skid w/Fork Pockets
- BIG GUN™ 1-1/2" Pipe String / Air Valve
- 110' X-Treme™ Duty Control Cord Assembly
- Electric #2 Control Handle
- BIG GUN™ Moisture Separator

#### PART NUMBER

**10 Cu Ft / 1-Outlet**  
888-0732-33904PB-EP

### 10 Cu Ft - 2-Outlet - FAST-STOP™ - 12VDC Electric Controls

Portable abrasive blaster, 10 cu. ft., 150 PSI (10.3 BAR), Fast-Stop™ pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves. Includes:

- BIG GUN™ Full Flow System
- Gravel-Guard™ Skid w/Fork Pockets
- BIG GUN™ 1-1/2" Pipe String / Air Valve
- (2) 110' X-Treme™ Duty Control Cord Assemblies
- (2) Electric #2 Control Handles

#### PART NUMBER

**10 Cu Ft / 2-Outlet**  
888-0742-33900PB-EP

### 20 Cu Ft - 1-Outlet - FAST-STOP™ - 12VDC Electric Controls

Portable abrasive blaster, 20 cu. ft., 150 PSI (10.3 BAR), Fast-Stop™ pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves & moisture separator. Includes:

- BIG GUN™ Full Flow System
- Gravel-Guard™ Skid w/Fork Pockets
- BIG GUN™ 1-1/2" Pipe String / Air Valve
- 110' X-Treme™ Duty Control Cord Assembly
- Electric #2 Control Handle
- Fast-Fill™ Oversized Pop-up

#### PART NUMBER

**20 Cu Ft / 1-Outlet**  
888-0932-33904PB-EP

### 20 Cu Ft - 2-Outlet - FAST-STOP™ - 12VDC Electric Controls

Portable abrasive blaster, 20 cu. ft., 150 PSI (10.3 BAR), Fast-Stop™ pressure hold system with 12VDC electric controls, AAV / APVII™ w/tungsten-carbide sleeve valves. Includes:

- BIG GUN™ Full Flow System
- Gravel-Guard™ Skid w/Fork Pockets
- BIG GUN™ 1-1/2" Pipe String / Air Valve
- (2) 110' X-Treme™ Duty Control Cord Assemblies
- (2) Electric #2 Control Handles
- Fast-Fill™ Oversized Pop-up

#### PART NUMBER

**20 Cu Ft / 2-Outlet**  
888-0942-33900PB-EP

# AVAILABLE ACCESSORIES & UPGRADES



# 1.5 / 3.5 / 6.5 CU FT MODELS

## A Regulator Kits

Adding a regulator kit to your abrasive blaster will allow you to blast at lower pressures to achieve custom finishes or help control profile.

888-2003-006PB-FI	1" REGULATOR KIT (FACTORY INSTALLED)
888-2003-007PB-FI	1-1/4" REGULATOR KIT (FACTORY INSTALLED)
888-2003-008PB-FI	1-1/2" REGULATOR KIT (FACTORY INSTALLED)
888-2003-00799PB	REPAIR KIT FOR 1", 1-1/4" & 1-1/2" REGULATORS
888-2000-007PB-FI	1-1/2" <b>BIG GUN</b> REGULATOR KIT (FACTORY INSTALLED)
888-2001-00199PB	REPAIR KIT, 1/4" PILOT REGULATOR (FOR <b>BIG GUN</b> REGULATOR)
888-2000-00399PB	REPAIR KIT, 1-1/2" & 2" <b>BIG GUN</b> REGULATORS

## B Lids and Screens

**Lids** are important for preventing moisture from falling into the abrasive blaster in outdoor applications. Moisture in the abrasive blaster can cause obstructions in the metering valve leading to costly down-time.

**Screens** are important for preventing foreign objects from falling into the abrasive blaster. Foreign objects in the abrasive blaster can cause obstructions in the metering valve leading to costly down-time.

888-5010-010PB	LID, 12" DIA, W/HANDLE (FOR 1.5 CU FT BLASTERS)
888-5011-010PB	SCREEN, LOW PROFILE, 12" (1/4" MESH) (FOR 1.5 CU FT BLASTERS)
888-5011-011PB	SCREEN, FINE MESH, LOW PROFILE, 12" (3/32" MESH) (FOR 1.5 CU FT BLASTERS)
888-5010-030PB	LID, 18" DIA, W/HANDLE (FOR 3.5 CU FT BLASTERS)
888-5011-030PB	SCREEN, LOW PROFILE, 18" (1/4" MESH) (FOR 3.5 CU FT BLASTERS)
888-5011-031PB	SCREEN, FINE MESH, LOW PROFILE, 18" (3/32" MESH) (FOR 3.5 CU FT BLASTERS)
888-5010-060PB	LID, 24" DIA, W/HANDLE, POWDER COATED (FOR 6.5 CU FT BLASTERS)
888-5011-060PB	SCREEN, LOW PROFILE, 24" (1/4" MESH) (FOR 6.5 CU FT <b>PORTABLE</b> BLASTERS)
888-5011-062PB	SCREEN, FINE MESH, LOW PROFILE, 24" (3/32" MESH) (FOR 6.5 CU FT <b>PORTABLE</b> BLASTERS)

## C Job Timer

Keep track of the time spent on a job and total hours on your abrasive blaster. Know your cost, control your cost & set up a preventative maintenance program for your blast equipment.

PB-9805023P-01	DUAL TIMER CONTROL BOX W/KEY RESET & MOUNTING BRACKET
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## D Power Supply

Add a power supply to run any 12VDC electric blaster on common 120VAC outlet power. Powers up to 4 control valves at one time.

PB-SMP3WP	POWER SUPPLY 120VAC INPUT / 12VDC @ 2.5 AMP OUTPUT
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## E SPR Muffler

Installing a blow-down muffler on your SPR Series abrasive blaster will reduce the noise generated during blow-down. It will also diffuse the blast of air released.

888-2011-006SPB-FI	PRESSURE RELEASE BLOWDOWN MUFFLER KIT, SHORT
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## F Relief Valve Kit

Adding this ASME relief valve kit to your blaster can prevent dangerous over-pressurization. Local codes may require a different valve.

888-2470-00702PB	150 PSI RELIEF VALVE KIT FOR SMALL ABRASIVE BLASTERS
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## G Loading Skids

Loading skids serve two important purposes. They allow for portable abrasive blasters to be easily loaded and transported on their back. They also protect the pipe string from damage.

888-7002-003PB	LOADING SKID / VALVE GUARD FOR 3.5 CU FT BLASTERS, POWDER COATED BLACK
888-7002-006PB	LOADING SKID / VALVE GUARD FOR 6.5 CU FT BLASTERS, POWDER COATED BLACK

## H Cord Connectors

Sealed, waterproof connectors link together to produce a tight seal preventing abrasives from shorting connection.

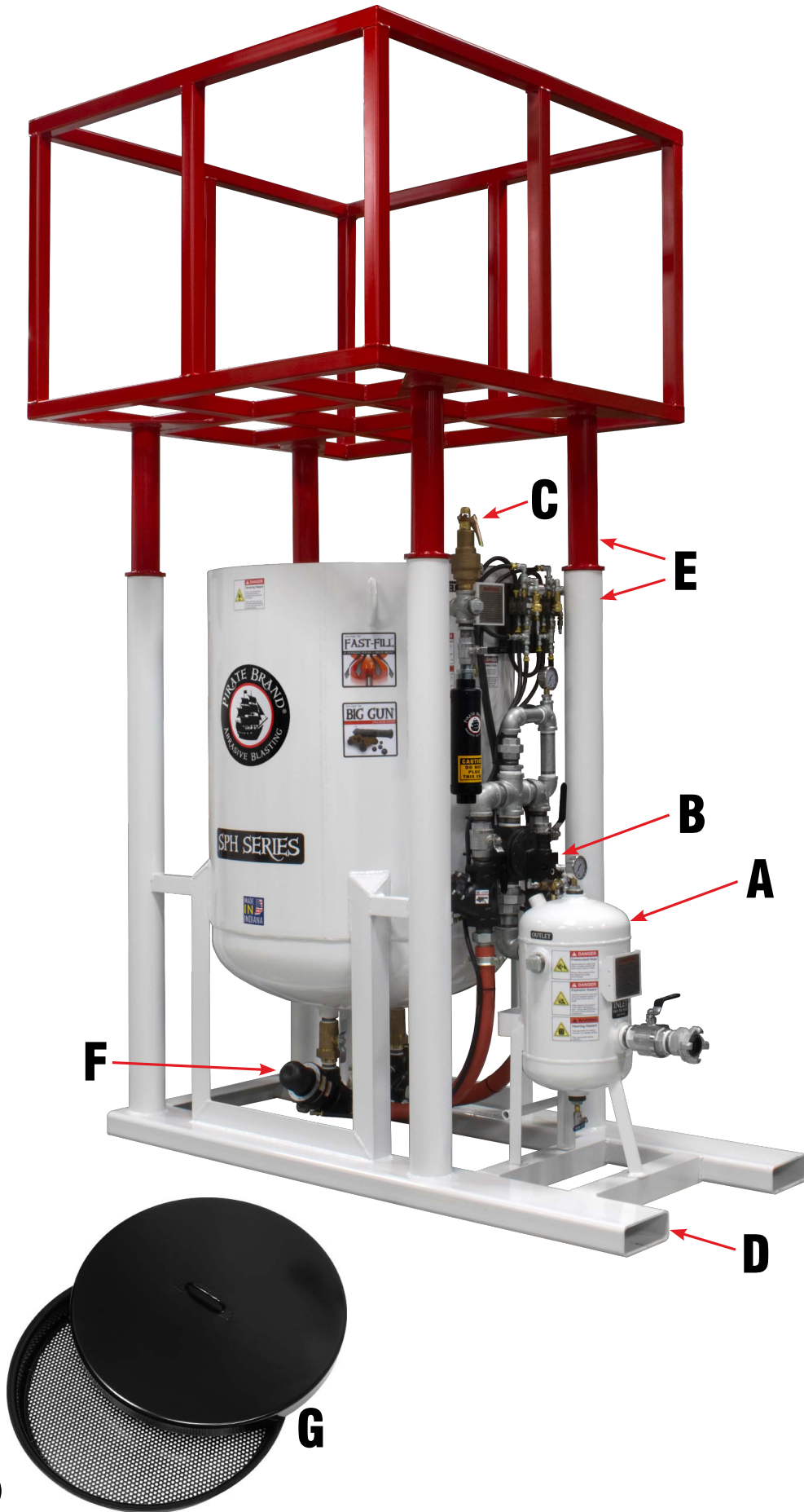
SEAL-CON-UPG	SEALED CORD CONNECTOR UPGRADE
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## I 6.5 Fork Pockets

Adding fork pockets to your 6.5 cu ft blaster will allow for easier mobility.

PB-FP6.5CUFT	FORK POCKET UPGRADE FOR PORTABLE S-SERIES 6.5 CU FT ABRASIVE BLASTERS (FACTORY INSTALLED ONLY)
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# AVAILABLE ACCESSORIES & UPGRADES





# 20 CU FT MODELS

## A Moisture Separator

Moisture separators are your last line of defense against moisture reaching your blast equipment. Moisture causes abrasive to clump together, clogging your metering valve and can lead to component break down. Single outlet 20 cu. ft. blasters come standard with 350 CFM moisture separators. Upgrade 2 outlet 20 cu. ft. blasters with the kit shown. (Requires fork pockets on 20 cu. ft. blasters)

888-1200-08007PB-FI	800 CFM MOISTURE SEPARATOR KID FOR 2-OUTLET 10 & 20 CU FT S-SERIES BLASTERS
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## B Regulator Kit

Adding a regulator kit to your abrasive blaster will allow you to blast at lower pressures to achieve custom finishes or help control profile.

888-2000-007PB-FI	1-1/2" BIG GUN REGULATOR KIT FOR 1 OUTLET 20 CU FT BLASTERS
888-2000-008PB-FI	2" BIG GUN REGULATOR KIT FOR 2 OUTLET 20 CU FT BLASTERS
888-2001-00199PB	REGULATOR, 1/4", REPAIR KIT
888-2000-00399PB	REGULATOR, 1-1/2" & 2" FULL FLOW, REPAIR KIT

## C Relief Valve Kit

Adding this ASME relief valve kit to your blaster can prevent dangerous over pressurization. Local codes may require a different valve.

888-2470-00702PB	SMALL BLASTER RELIEF VALVE KIT (FITS 1.3, 3.5, 6.5, 10 & 20 CU FT S-SERIES BLASTERS)
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## D Fork Pockets



Adding fork pockets to your 20 cu ft blaster will allow for easier mobility. (Factory installed only)

PB-FP20CUFT	FORK POCKETS UPGRADE FOR 20 CU FT S-SERIES VESSEL
PB-FP20CUFT-MS	FORK POCKETS UPGRADE FOR 20 CU FT S-SERIES BLASTERS W/800 MOISTURE SEPARATOR

## E Bulk Bag Rack

Adding this bulk bag rack and supporting mounts allows you to quickly fill your 20 cu ft blaster w/ bulk media. Includes fork pockets. (Factory installed only)

PB-FP20CUFT-BBR	BULK BAG RACK & SUPPORTING MOUNTS UPGRADE FOR 20 CU FT BLASTERS
888-1108-07220PB-FI	BULK BAG RACK & SUPPORTING MOUNTS UPGRADE FOR 20 CU FT BLASTERS WITH 800 MOISTURE SEPARATOR

## F Big-Bore Upgrade

More air + more abrasive = faster blasting. A must with large nozzle diameters such as #8, #10, & #12.

888-2149-60812PB	BIG-BORE METERING VALVE UPGRADE FOR BLASTERS UP TO 20 CU. FT. WITH 1-1/2" APV II W/TC SLEEVE VALVES, PER OUTLET (FACTORY INSTALLED)
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## G Lids and Screens

Lids are important for keeping moisture from falling into the abrasive blaster in outdoor applications. Moisture in the abrasive blaster can cause obstructions in the metering valve leading to the costly down-time.

Screen are important for keeping foreign objects from falling into the abrasive blaster. Foreign objects in the abrasive blaster can cause obstructions in the metering valve leading to costly down time.

888-5010-200PB	LID FOR 20 CU FT ABRASIVE BLASTERS
888-5011-200PB	SCREEN FOR 20 CU FT ABRASIVE BLASTERS

## H Power Supply

Add a power supply to run any 12VDC electric blaster on common 120AC outlet power.

PB-SMP3WP	POWER SUPPLY 120AC INPUT/12VDC @ 2.5 AMP OUTPUT (POWERS UP TO 4 CONTROL VALVES)
PB-SMP7WP	POWER SUPPLY 120AC INPUT/12VDC @ 6 AMP OUTPUT (POWERS UP TO 8 CONTROL VALVES)

## I Job Timer

Keep track of time spent on a job and total hours on your abrasive blaster. Know your cost, control your cost & set up a preventative maintenance program for your blast equipment.

PB-9805023P-01	DUAL TIMER CONTROL BOX W/ KEY RESET & MOUNTING BRACKET (FOR 1 OUTLET BLASTER)
PB-9805023P-02	DUAL TIMER CONTROL BOX W/ KEY RESET & MOUNTING BRACKET (FOR 2 OUTLET BLASTERS)

## J Loading Ladder

Use this 4 step loading ladder to provide easy access to the top of the blaster for more convenient loading of abrasive.

PB-LAD-MM-4-P	4 STEP LOADING LADDER FOR OVERHEAD ACCESS TO 10 & 20 CU FT BLASTERS
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## K Cord Connectors

Sealed, waterproof connectors link together to produce a tight seal preventing abrasives from shorting connection.

SEAL-CON-UPG	SEALED CORD CONNECTOR UPGRADE PER OUTLET
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# BLASTING SET-UP



6.5 Cu Ft  
Portable Blaster Shown

## Blast Hose, Twinline & Control Cord



## Air Hose

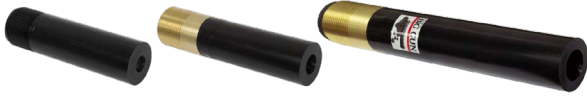


10-034RED-050-1	3/4" AIR HOSE ASSEMBLY, 50' (RED)
10-112RED-025-1	1-1/2" AIR HOSE ASSEMBLY, 25' (RED)
10-112RED-050-1	1-1/2" AIR HOSE ASSEMBLY, 50' (RED)
10-200YEL-050-1	2" AIR HOSE ASSEMBLY, 50' (YELLOW)
27WT-1	SAFETY CABLE, 1/2" - 1', HOSE TO EQUIP.
27WC-1	SAFETY CABLE, 1/2" - 1', HOSE TO HOSE
27WT-2	SAFETY CABLE, 1-1/2" - 3", HOSE TO EQUIP.
27WC-2	SAFETY CABLE, 1-1/2" - 3", HOSE TO HOSE

10-034BLK-050-3AL	3/4" BLAST HOSE ASSEMBLY, 50', INCLUDES NOZZLE HOLDER
10-100BLK-050-3AL	1" 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
10-112BLK-050-3XAL	1-1/2" <b>BIG GUN™</b> BLAST HOSE ASSEMBLY, 50', INCLUDES NOZZLE HOLDER
10-034BLK-050-4AL	3/4" EXTENSION HOSE ASSY, 50'
10-100BLK-050-4AL	1" EXTENSION HOSE ASSY, 50'
10-114BLK050-4XAL	1-1/4" <b>BIG GUN™</b> EXTENSION HOSE ASSY, 50'
10-112BLK050-4XAL	1-1/2" <b>BIG GUN™</b> EXTENSION HOSE ASSY, 50'
200-055	HOSE, <b>TWINLINE</b> CONTROL, ASSEMBLY, YEL/ YEL W/BLACK STRIPE, NOMINAL, 3/16" ID X 55'
200-110	HOSE, <b>TWINLINE</b> CONTROL, ASSEMBLY, YEL/ YEL W/BLACK STRIPE, NOMINAL, 3/16" ID X 110'
888-7073-055PB	ELECTRICAL EXTENSION CONTROL CORD W/ <b>STANDARD TWISTLOCK CONNECTORS</b> , 55'
888-7073-110PB	ELECTRICAL EXTENSION CONTROL CORD W/ <b>STANDARD TWISTLOCK CONNECTORS</b> , 110'
888-7074-05501PB	ELECTRICAL EXTENSION CONTROL CORD W/ <b>SEALED WATERPROOF CONNECTORS</b> , 55'
888-7074-11001PB	ELECTRICAL EXTENSION CONTROL CORD W/ <b>SEALED WATERPROOF CONNECTORS</b> , 110'
27WT-1	SAFETY CABLE, 1/2" - 1', HOSE TO EQUIP.
27WC-1	SAFETY CABLE, 1/2" - 1', HOSE TO HOSE
27WC-15	SAFETY CABLE, 1" - 2-1/2", HOSE TO HOSE
27WT-2	SAFETY CABLE, 1-1/2" - 3", HOSE TO EQUIP.
27WC-2	SAFETY CABLE, 1-1/2" - 3", HOSE TO HOSE

# BLASTING SET-UP

## Nozzles



### 1" ENTRY NOZZLES FOR USE WITH 3/4" & 1" BLAST HOSE

1201-1172	#3 TUNGSTEN CARBIDE NOZZLE
1201-1173	#4 TUNGSTEN CARBIDE NOZZLE
1201-1174	#5 TUNGSTEN CARBIDE NOZZLE
1201-1175	#6 TUNGSTEN CARBIDE NOZZLE
1201-1176	#7 TUNGSTEN CARBIDE NOZZLE

### 1-1/4" ENTRY NOZZLES FOR USE WITH 1-1/4" BLAST HOSE

1348-555	#5 TUNGSTEN CARBIDE NOZZLE, BRASS THD
1348-556	#6 TUNGSTEN CARBIDE NOZZLE, BRASS THD
1348-557	#7 TUNGSTEN CARBIDE NOZZLE, BRASS THD
1348-558	#8 TUNGSTEN CARBIDE NOZZLE, BRASS THD

### 1-1/4" BIG GUN™ NOZZLES - HIGH PRODUCTION

888-5001-305PB	#5 BIG GUN™ TUNGSTEN CARBIDE NOZZLE
888-5001-306PB	#6 BIG GUN™ TUNGSTEN CARBIDE NOZZLE
888-5001-307PB	#7 BIG GUN™ TUNGSTEN CARBIDE NOZZLE
888-5001-308PB	#8 BIG GUN™ TUNGSTEN CARBIDE NOZZLE
888-5001-310PB	#10 BIG GUN™ TUNGSTEN CARBIDE NOZZLE

## Air Dryers / After Coolers



DLAD-250-360	PORTABLE AIR DRYER, 250 CFM @ 100 PSIG, 360 CFM @ 150 PSIG
DLAD-450-575	PORTABLE AIR DRYER, 450 CFM @ 100 PSIG, 575 CFM @ 150 PSIG
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-250-360	PORTABLE AFTER COOLER, 250 CFM @ 100 PSIG, 360 CFM @ 150 PSIG
DLAC-450-575	PORTABLE AFTER COOLER, 450 CFM @ 100 PSIG, 575 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

## Breathing Equipment



NV3-702-50-PFC	RPB® NOVA 300 RESPIRATOR PACKAGE
407000-PFC	RPB® NOVA 2000™ RESPIRATOR PACKAGE
407800-PFC	RPB® ASTRO™ RESPIRATOR PACKAGE
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)



GENVX-PKG-STD	BULLARD® GENVX® RESPIRATOR PACKAGE
88VX-PKG-STD	BULLARD® 88VX RESPIRATOR PACKAGE
AC1000	BULLARD® AC1000 COOL TUBE W/BELT
HC2400	BULLARD® HC2400 HOT/COLD TUBE W/BELT
COHP	BULLARD® CAB CO MONITOR

RESPIRATOR PACKAGES INCLUDE RESPIRATOR HELMET, 50' BREATHING AIR SUPPLY HOSE, AND AIRLINE FILTER

## 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

# 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**