



# S-Series Portable Blast Pots - Quick Reference Guide

**Blasting Packages:** Pirate Brand® offers 4 convenient blasting packages that are designed to give you what you need to get started blasting.

-  **BASE** Includes Pneumatic S-Series Blaster, Twinline Pneumatic Control Hose & Pneumatic Remote Control Handle.
-  + **BRONZE** Includes Base Package + Blast Hose & Nozzle.
-  + **SILVER** Includes Bronze Package + Blast Suit, Luxury Double Palmed Gloves & RPB Nova 2000 Respirator Package.
-  + **GOLD** Includes Silver Package + 2 Air Hose Assemblies to connect Blaster and Respirator to your Air Supply.

## S-Series Pressure Release (SPR) Systems



Pressure release systems completely depressurize whenever the control handle is released. They are a simpler / lower-maintenance design than pressure hold systems but are not good for short blasting cycles and do not start or stop as smoothly. See how SPR systems work on the reverse side of this flyer.

The part numbers below are for pneumatically controlled systems, 12VDC controlled systems are also available

	1.5 cu. ft.	3.5 cu. ft.	6.5 cu. ft.
Base -	888-0131-12611PB-A	888-0331-12611PB-A	888-0531-12711PB-A
Bronze -	888-0131-12611PB-B	888-0331-12611PB-B	888-0531-12711PB-B
Silver -	888-0131-12611PB-C	888-0331-12611PB-C	888-0531-12711PB-C
Gold -	888-0131-12611PB-D	888-0331-12611PB-D	888-0531-12711PB-D

## S-Series Pressure Hold (SPH) Systems



Pressure hold systems stay pressurized when the control handle is released. They hold up well under short blasting cycles, have much smoother starts/stops & consume less abrasive when compared to pressure release systems. See how SPH systems work on the reverse side of this flyer.

The part numbers below are for pneumatically controlled systems, 12VDC controlled systems are also available

	1.5 cu. ft.	3.5 cu. ft.	6.5 cu. ft.
Base -	888-0131-62601PB-A	888-0331-62601PB-A	888-0531-62701PB-A
Bronze -	888-0131-62601PB-B	888-0331-62601PB-B	888-0531-62701PB-B
Silver -	888-0131-62601PB-C	888-0331-62601PB-C	888-0531-62701PB-C
Gold -	888-0131-62601PB-D	888-0331-62601PB-D	888-0531-62701PB-D

## Optional Equipment / Upgrades

### Lids

Keep moisture from getting into your pot and causing jams.



### Screens

Keep foreign objects from falling into your pot causing jams.



### Loading Skids

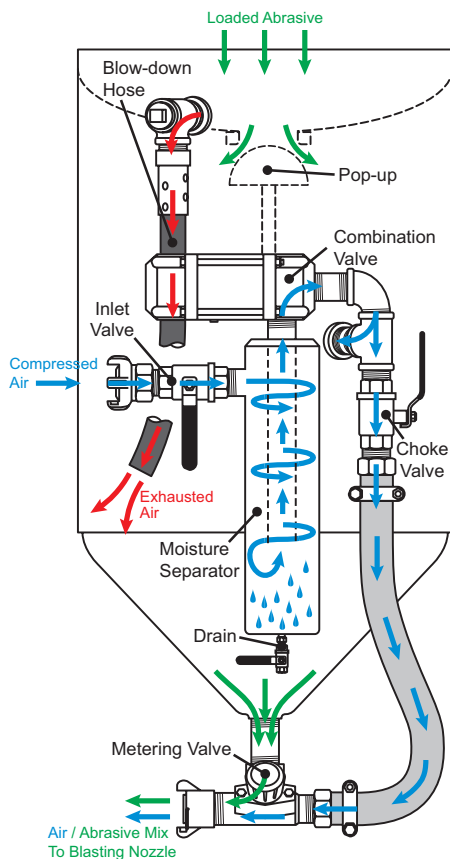
Easier loading and unloading + protection of critical components.



1.5 - 888-5010-010PB	888-5011-010PB	N/A
3.5 - 888-5010-030PB	888-5011-030PB	888-7002-003PB
6.5 - 888-5010-060PB	888-5011-060PB	888-7002-006PB

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# How It Works - S-Series Pressure Release (SPR) Systems



## 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.

# How It Works - S-Series Pressure Hold (SPH) Systems

## 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.

