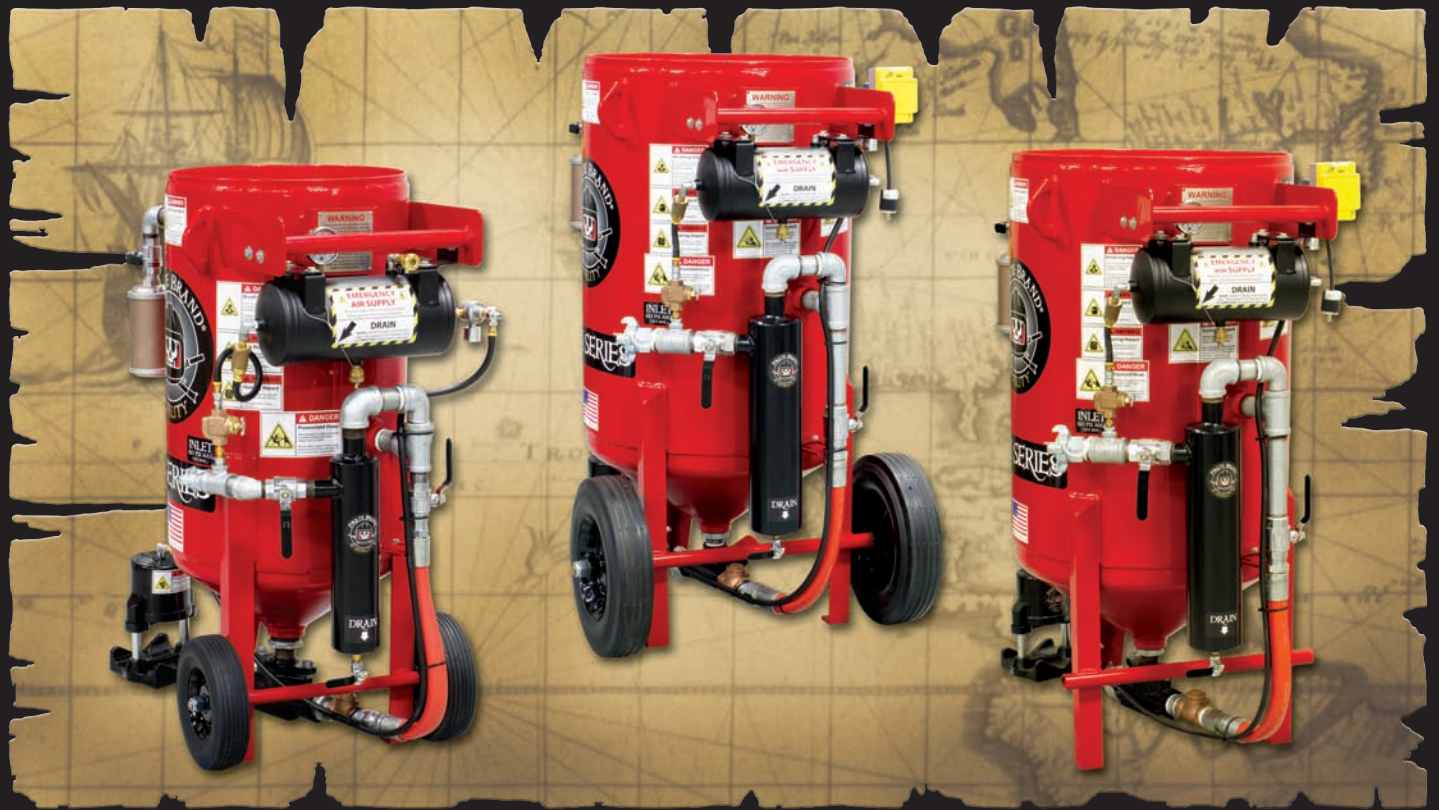




# PIRATE BRAND<sup>®</sup> K-SERIES

3.5 / 6.5 CU FT - ABRASIVE BLASTERS



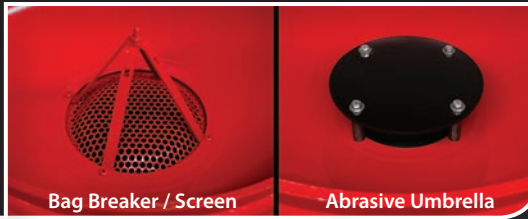
Proudly Distributed By:

## PRODUCT LINE BROCHURE

# FEATURES & BENEFITS

## BAG-BREAKER/SCREEN OR OPTIONAL UMBRELLA

All KPH blasters come standard with a bag-breaker and screen. An optional abrasive umbrella is available for applications where an overhead abrasive feeding system is being used.



Bag Breaker / Screen

Abrasive Umbrella

## PNEUMATIC OR ELECTRIC

Choose between pneumatic or 12VDC electric controls. Electric controls are recommended for blast hose lengths longer than 100', feature faster starts/stops, and are less prone to freezing in cold climates.



## 2 CAPACITIES

KPH blasters are available in 3.5 cu ft and 6.5 cu ft abrasive capacities.

## MUFFLER

To reduce blow-down noise, all KPH blasters come standard with an exhaust muffler.

## 150 PSI VESSEL

It's simple, more psi = more productivity. To give you the best possible productivity, KPH pressure vessels are ASME certified and Canadian Registered for all provinces for everyday use at 150 PSI (10.3 BAR)

## PINCH VALVE

The most recognizable feature of the legacy design upon which the KPH series blaster is based, this valve pinches and releases the blast hose to start and stop blasting.

## PORTABLE OR STATIONARY

KPH blasters are available in portable models with wheels or stationary models for blast room applications.

## CHOICE OF METERING VALVE

Choose between the traditional #100 donut washer metering valve or the more modern MPV (Manual Plunger Valve)



#100

MPV

## ELECTRIC CONNECTION

Electric KPH blasters feature a weather-proof Lock Out/Tag Out connection box with a rubber boot that seals around the control handle plug. It also solves the problem with insects nesting in the connection.



## EMERGENCY AIR TANK

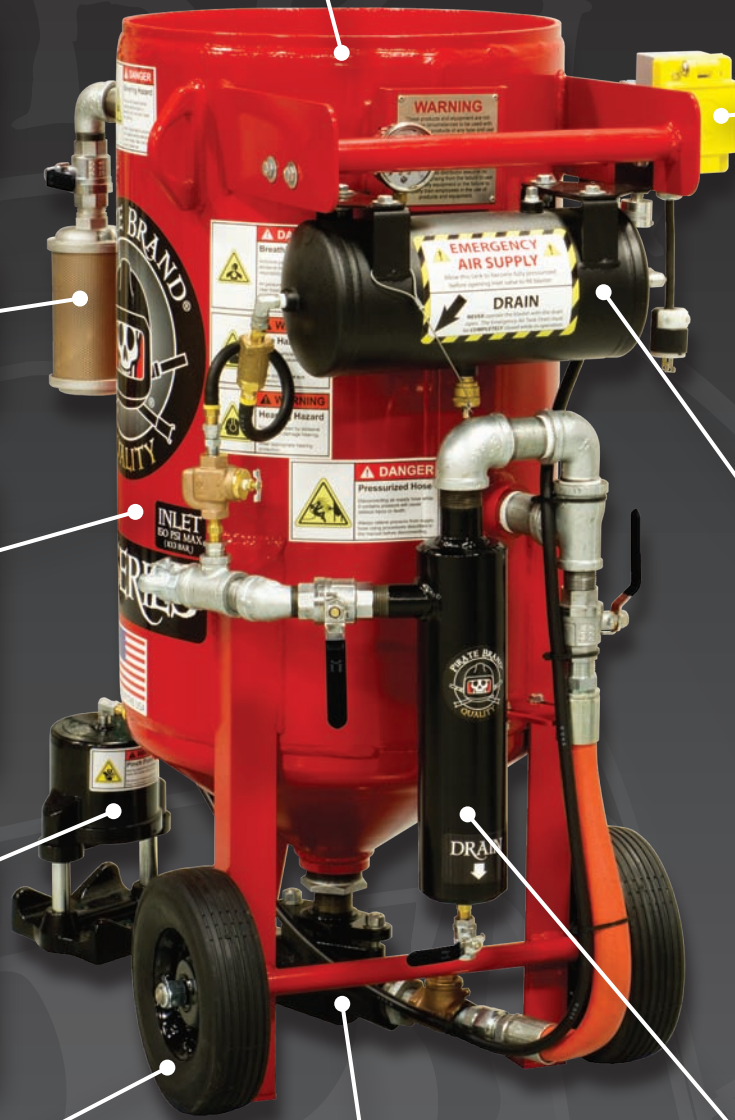
A constant source of compressed air is required to keep the pinch valve closed. To protect users in the event the compressor fails or runs out of fuel, all KPH series blasters feature an emergency air tank that acts as a reserve to keep the pinch valve closed.



**IMPROVEMENT OVER LEGACY DESIGN**

## MOISTURE SEPARATOR

As a last defense against clog causing moisture, all KPH series blasters come standard with a moisture separator.





# HOW KPH BLASTERS WORK

## (K-SERIES - PRESSURE HOLD)

### 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

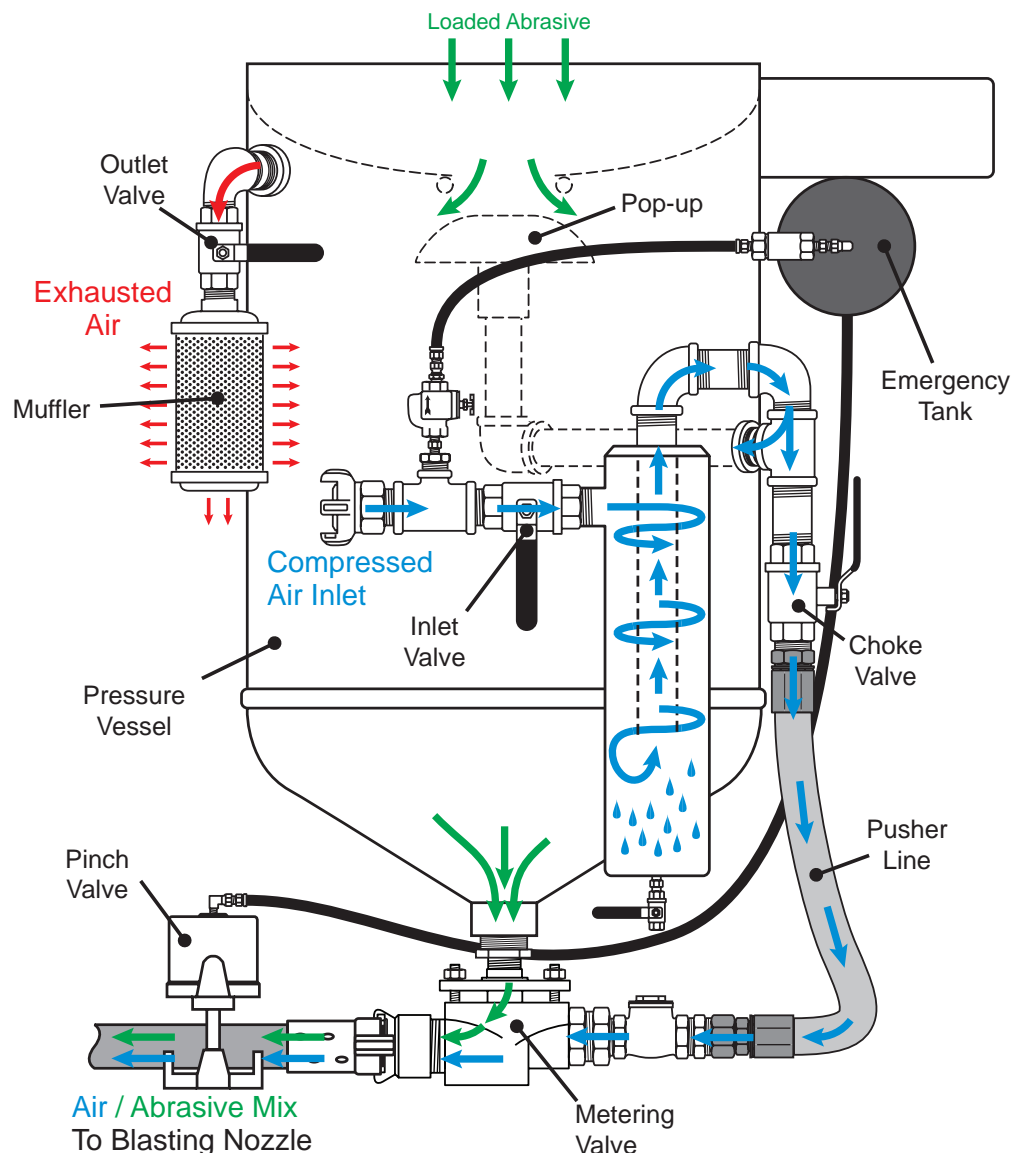
Before pressurization can take place in a pressure hold system, the Blow-down (outlet) Valve must be closed. Then, when a compressed air source (such as an air-compressor) is connected to the inlet of the Abrasive Blaster and turned on, the Emergency Air Tank is pressurized and the Pinch Valve closes. The Emergency Air Tank is a safety feature that will store a reserve of compressed air that will be available to keep the pinch valve closed 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 Pop-up (located internally) to seal against its seat allowing the pressure vessel to become pressurized.

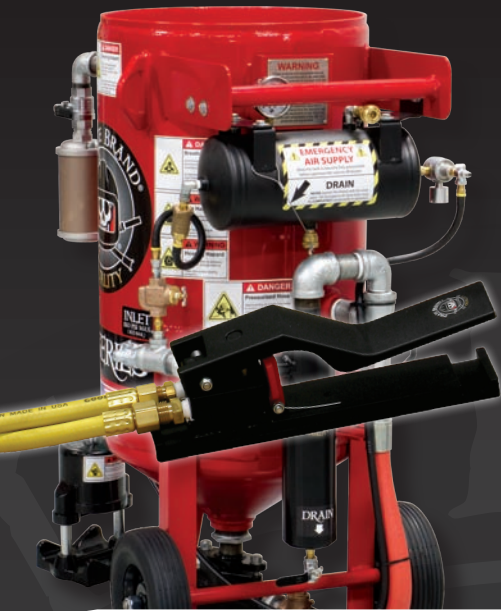
When the control handle is activated, a control valve allows the Pinch Valve to open allowing compressed air & abrasive to flow and mix. The mixture of compressed air and abrasive will now exit the Abrasive Blaster through the blast hose and nozzle connected to the coupling on the Metering Valve and blasting begins.

### DEPRESSURIZATION (BLOW-DOWN)

When the control handle is released in a pressure hold (KPH) system, the Pinch Valve closes and 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 (outlet) valve is manually opened.



# PORTABLE - PNEUMATIC



Pirate Brand® KPH Blasters with pneumatic controls start and stop the blasting process using twinline control hoses that run along the blast hose to a pneumatic control handle near the blast nozzle. A simple pneumatic control valve on the side of the emergency air tank uses signal pressure from the control handle to actuate the pinch valve.

## ADVANTAGES:

- Does not require a 12V power source.

## METERING VALVE CHOICE

**#100** The traditional valve provided with the legacy design upon which the KPH Series was based. Adjustments are made by adjusting the nuts on the top of the valve.



## MPV (Manual Plunger Valve)

A simple and time-tested design. The MPV's main advantage is how easy it is to perform routine maintenance and repairs in the field.



## #100 METERING VALVE



### BASE PACKAGE

- Includes:
- KPH Portable Blaster w/ Pneumatic Controls & #100 Metering Valve
  - 55' Pneumatic Control Twinline
  - Pneumatic #2 Control Handle



PART #s **3.5 CU FT** 41-300-A  
**6.5 CU FT** 41-301-A

## MPV METERING VALVE



### BASE PACKAGE

- Includes:
- KPH Portable Blaster w/ Pneumatic Controls & MPV Metering Valve
  - 55' Pneumatic Control Twinline
  - Pneumatic #2 Control Handle



PART #s **3.5 CU FT** 41-300-MPV-A  
**6.5 CU FT** 41-301-MPV-A



### BRONZE PACKAGE

- Includes Base Package Items **PLUS:**
- 50' Blast Hose Assembly w/ Couplings
  - Tungsten-Carbide Nozzle

PART #s **3.5 CU FT** 41-300-B  
**6.5 CU FT** 41-301-B



### BRONZE PACKAGE

- Includes Base Package Items **PLUS:**
- 50' Blast Hose Assembly w/ Couplings
  - Tungsten-Carbide Nozzle

PART #s **3.5 CU FT** 41-300-MPV-B  
**6.5 CU FT** 41-301-MPV-B



### SILVER PACKAGE

- Includes Bronze Package Items **PLUS:**
- RPB® NOVA 2000™ Respirator package w/ Radex Airline Filter™ & 50' Breathing Hose\*
  - Blast Suit (Large)
  - Double Palmed Blast Gloves

PART #s **3.5 CU FT** 41-300-C  
**6.5 CU FT** 41-301-C



### SILVER PACKAGE

- Includes Bronze Package Items **PLUS:**
- RPB® NOVA 2000™ Respirator package w/ Radex Airline Filter™ & 50' Breathing Hose\*
  - Blast Suit (Large)
  - Double Palmed Blast Gloves

PART #s **3.5 CU FT** 41-300-MPV-C  
**6.5 CU FT** 41-301-MPV-C



### GOLD PACKAGE

- Includes Silver Package Items **PLUS:**
- 50' Air Hose Assembly for Connecting KPH Blaster to Compressed Air Source
  - 50' Air Hose Assembly for Breathing Airline Filter Connection + 2-Lug Fitting For Filter.

PART #s **3.5 CU FT** 41-300-D  
**6.5 CU FT** 41-301-D



### GOLD PACKAGE

- Includes Silver Package Items **PLUS:**
- 50' Air Hose Assembly for Connecting KPH Blaster to Compressed Air Source
  - 50' Air Hose Assembly for Breathing Airline Filter Connection + 2-Lug Fitting For Filter.

PART #s **3.5 CU FT** 41-300-MPV-D  
**6.5 CU FT** 41-301-MPV-D

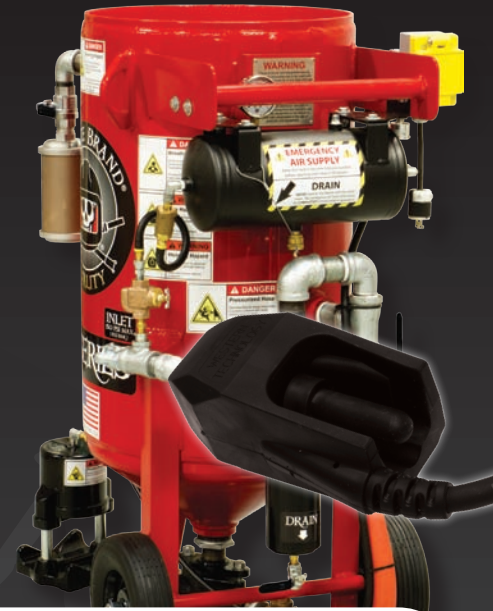


# PORTABLE - ELECTRIC

Pirate Brand® KPH Blasters with 12VDC electric controls start and stop the blasting process using a control cord that runs along the blast hose to an electric control switch near the blast nozzle. An electric control valve on the side of the emergency air tank actuates the pinch valve when it receives a signal from the electric control switch.

## ADVANTAGES:

- Faster starts and stops
- Recommended for blast hose runs longer than 100' since pneumatic systems will take longer to stop blasting as the twinline control hose gets longer.
- Less likely to freeze up in cold conditions.



## #100 METERING VALVE



### BASE PACKAGE

Includes:

- KPH Portable Blaster w/ Electric Controls & #100 Metering Valve
- 55' Electric Control Cord w/ Connectors
- Sealed Ball & Chain Electric Control Switch

PART #s **3.5 CU FT** 40-300-A  
**6.5 CU FT** 40-301-A

## MPV METERING VALVE



### BASE PACKAGE

Includes:

- KPH Portable Blaster w/ Electric Controls & MPV Metering Valve
- 55' Electric Control Cord w/ Connectors
- Sealed Ball & Chain Electric Control Switch

PART #s **3.5 CU FT** 40-300-MPV-A  
**6.5 CU FT** 40-301-MPV-A



### BRONZE PACKAGE

Includes Base Package Items **PLUS:**

- 50' Blast Hose Assembly w/ Couplings
- Tungsten-Carbide Nozzle

PART #s **3.5 CU FT** 40-300-B  
**6.5 CU FT** 40-301-B



### BRONZE PACKAGE

Includes Base Package Items **PLUS:**

- 50' Blast Hose Assembly w/ Couplings
- Tungsten-Carbide Nozzle

PART #s **3.5 CU FT** 40-300-MPV-B  
**6.5 CU FT** 40-301-MPV-B



### SILVER PACKAGE

Includes Bronze Package Items **PLUS:**

- RPB® NOVA 2000™ Respirator package w/ Radex Airline Filter™ & 50' Breathing Hose\*
- Blast Suit (Large)
- Double Palmed Blast Gloves

PART #s **3.5 CU FT** 40-300-C  
**6.5 CU FT** 40-301-C



### SILVER PACKAGE

Includes Bronze Package Items **PLUS:**

- RPB® NOVA 2000™ Respirator package w/ Radex Airline Filter™ & 50' Breathing Hose\*
- Blast Suit (Large)
- Double Palmed Blast Gloves

PART #s **3.5 CU FT** 40-300-MPV-C  
**6.5 CU FT** 40-301-MPV-C



### GOLD PACKAGE

Includes Silver Package Items **PLUS:**

- 50' Air Hose Assembly for Connecting KPH Blaster to Compressed Air Source
- 50' Air Hose Assembly for Breathing Airline Filter Connection + 2-Lug Fitting For Filter.

PART #s **3.5 CU FT** 40-300-D  
**6.5 CU FT** 40-301-D



### GOLD PACKAGE

Includes Silver Package Items **PLUS:**

- 50' Air Hose Assembly for Connecting KPH Blaster to Compressed Air Source
- 50' Air Hose Assembly for Breathing Airline Filter Connection + 2-Lug Fitting For Filter.

PART #s **3.5 CU FT** 40-300-MPV-D  
**6.5 CU FT** 40-301-MPV-D

\* Silver & Gold packages can be upgraded from the RPB® NOVA 2000™ to the RPB® NOVA 3® at no additional charge.

# STATIONARY BLASTERS



Pirate Brand® KPH Stationary Blasters are the perfect solution when you need a pinch style blaster for your blast room or any other stationary application. You can order your stationary KPH blaster with pneumatic or electric controls and choose between the classic #100 metering valve or the MPV metering valve.



All KPH blasters come standard with a built in bag-breaker and screen. For stationary applications where an overhead abrasive feeding system is used, we recommend the optional abrasive umbrella shown here.

## #100 METERING VALVE

### PNEUMATIC CONTROLS



Includes:

- KPH Stationary Blaster w/ Pneumatic Controls & #100 Metering Valve
- 55' Pneumatic Control Twinline
- Pneumatic #2 Control Handle

PART #s **3.5 CU FT** 41-350  
**6.5 CU FT** 41-351



## MPV METERING VALVE

### PNEUMATIC CONTROLS



Includes:

- KPH Stationary Blaster w/ Pneumatic Controls & MPV Metering Valve
- 55' Pneumatic Control Twinline
- Pneumatic #2 Control Handle

PART #s **3.5 CU FT** 41-350-MPV  
**6.5 CU FT** 41-351-MPV



## #100 METERING VALVE

### ELECTRIC CONTROLS



Includes:

- KPH Stationary Blaster w/ Electric Controls & #100 Metering Valve
- 55' Electric Control Cord w/ Connectors
- Sealed Ball & Chain Electric Control Switch

PART #s **3.5 CU FT** 40-350  
**6.5 CU FT** 40-351



## MPV METERING VALVE

### ELECTRIC CONTROLS



Includes:

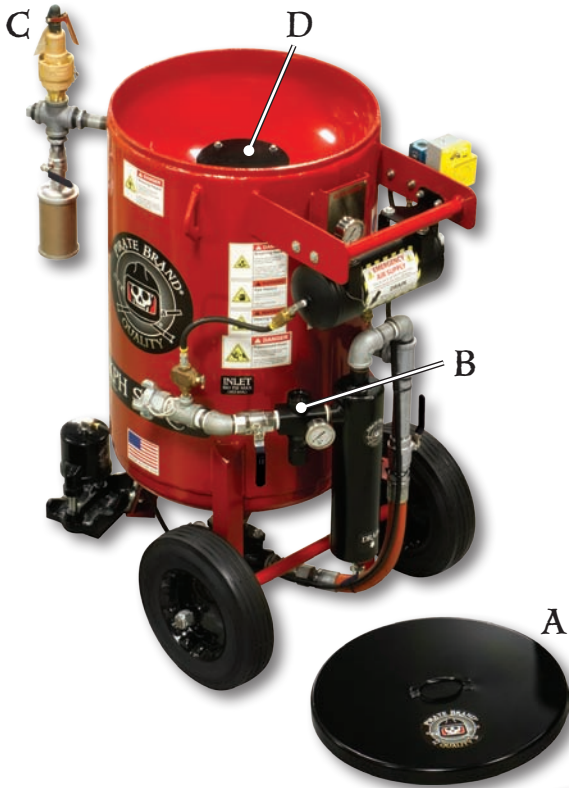
- KPH Stationary Blaster w/ Electric Controls & MPV Metering Valve
- 55' Electric Control Cord w/ Connectors
- Sealed Ball & Chain Electric Control Switch

PART #s **3.5 CU FT** 40-350-MPV  
**6.5 CU FT** 40-351-MPV





# ACCESSORIES



## A LIDS

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 COSTLY DOWN-TIME.

888-5010-030PB	LID FOR 3.5 KPH ABRASIVE BLASTERS
888-5010-060PB	LID FOR 6.5 KPH ABRASIVE BLASTERS

## B 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-CI	1" REGULATOR KIT (3.5 CU FT KPH)
888-2003-007PB-CI	1-1/4" REGULATOR KIT (6.5 CU FT KPH)

## C RELIEF VALVE KIT

ADDING THIS ASME RELIEF VALVE KIT TO YOUR BLASTER CAN PREVENT DANGEROUS OVERPRESSURIZATION. LOCAL CODES MAY REQUIRE A DIFFERENT VALVE

888-2470-00702PB	SMALL BLASTER RELIEF VALVE KIT
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## D UMBRELLA

FOR STATIONARY BLASTERS WHERE ABRASIVE IS BEING FED FROM AN OVERHEAD SYSTEM THE UMBRELLA WILL KEEP EXCESS WEIGHT OFF OF THE POP-UP ALLOWING IT TO FUNCTION PROPERLY. REQUIRES REMOVAL OF THE BUILT-IN BAG BREAKER AND SCREEN.

290-420	6" POP UP VALVE UMBRELLA
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## SCREENS

FOR BLASTERS EQUIPPED WITH AN ABRASIVE UMBRELLA, USE THESE SCREENS TO KEEP DEBRIS FROM ENTERING THE PRESSURE VESSEL. ONLY USED WITH KPH SERIES BLASTERS WHERE THE BAG BREAKER HAS BEEN REMOVED TO ACCOMMODATE AN ABRASIVE UMBRELLA.

888-5011-030PB	SCREEN FOR 3.5 KPH ABRASIVE BLASTERS
888-5011-060PB	SCREEN FOR 6.5 KPH ABRASIVE BLASTERS

## 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.

(FOR KPH WITH PNEUMATIC CONTROLS ONLY)

PB-9805023P-01	DUAL TIMER CONTROL BOX W/ KEY RESET & MOUNTING BRACKET
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## POWER SUPPLY

ADD A POWER SUPPLY TO RUN ANY 12VDC ELECTRIC BLASTER ON COMMON 120AC OUTLET POWER. POWERS UP TO 4 CONTROL VALVES AT ONE TIME.

PB-SMP3WP-K	POWER SUPPLY 120AC INPUT/12VDC @ 2.5 AMP OUTPUT - 2 LUG FOR KPH
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# BLASTING SET-UP



## BLAST HOSE

Nozzles Not Included

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-050-3AL	1-1/4" BLAST HOSE ASSEMBLY, 50', INCLUDES NOZZLE HOLDER
10-034BLK-050-4AL	3/4" EXTENSION HOSE ASSEMBLY, 50'
10-100BLK-050-4AL	1" EXTENSION HOSE ASSEMBLY, 50'
10-114BLK-050-4AL	1-1/4" EXTENSION HOSE ASSEMBLY, 50'
27WT-1	SAFETY CABLE, 1/2" - 1" HOSE TO EQUIP.
27WC-1	SAFETY CABLE, 1/2" - 1" HOSE TO HOSE.
27WC-15	SAFETY CABLE, 1-1/4" HOSE TO HOSE.
27WT-2	SAFETY CABLE, 1-1/4" - 3" HOSE TO EQUIP.



## AIR HOSE

10-034RED-050-1	3/4" AIR HOSE ASSEMBLY, 50'
10-100RED-025-1	1" AIR HOSE ASSEMBLY, 25'
10-100RED-050-1	1" AIR HOSE ASSEMBLY, 50'
10-112RED-025-1	1-1/2" AIR HOSE ASSEMBLY, 25'
10-112RED-050-1	1-1/2" AIR HOSE ASSEMBLY, 50'
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.



## BREATHING EQUIPMENT

NV3-702-50-PFC	RPB NOVA 3™ RESPIRATOR PACKAGE
407000-PFC	NOVA 2000™ RESPIRATOR PACKAGE
407800-PFC	ASTRO™ RESPIRATOR PACKAGE
407001	COOL TUBE
407024	HOT TUBE
407200	RADEX™ CO MONITOR (120V)
407201	RADEX™ CO MONITOR (12V)

RESPIRATOR PACKAGES INCLUDE RESPIRATOR HELMET, 50' BREATHING AIR SUPPLY HOSE, AND RADEX™ 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	LUXURY DOUBLE PALMED LEATHER BLASTING/WELDING GLOVES



## NOZZLES

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

1201-1172	#3 TUNGSTEN CARBIDE NOZZLE
1201-1173	#4 TUNGSTEN CARBIDE NOZZLE

1" ENTRY NOZZLES FOR USE WITH 1" BLAST HOSE

1201-1173	#4 TUNGSTEN CARBIDE NOZZLE
1201-1174	#5 TUNGSTEN CARBIDE NOZZLE
1201-1175	#6 TUNGSTEN CARBIDE NOZZLE

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

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



## AIR DRYERS

888-1310-021PB	AIR DRYER ADPB-250 CFM @ 100 PSIG OR 359 CFM @ 150 PSIG
888-1310-041PB	AIR DRYER ADPB-400 CFM @ 100 PSIG OR 574 CFM @ 150 PSIG
888-1310-071PB	AIR DRYER ADPB-750/950, 800 CFM @ 100 PSIG OR 1149 CFM @ 150 PSIG
888-1310-121PB	AIR DRYER ADPB-1200 CFM @ 100 PSIG OR 1723 CFM @ 150 PSIG
888-1310-161PB	AIR DRYER ADPB-1600 CFM @ 100 PSIG OR 2297 CFM @ 150 PSIG

# PIRATE BRAND®



## About 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.**

## OTHER AVAILABLE PRODUCTS



**BULK  
BLASTERS**



**SODA  
BLASTERS**



**S-SERIES  
SMALL BLASTERS**

**CONVERSION  
KITS**



**AIR DRYERS &  
MOISTURE  
SEPARATORS**



**C-SERIES SMALL BLASTERS**

