

miniBRS

Compact, powerful system is comfortable, easy to use and requires no containment

A product of Axxiom Manufacturing, Inc.



The Schmidt miniBRS is a compact and easily maneuverable abrasive blasting system that blasts and then recovers spent abrasive, contaminants and dust in the same step, eliminating the need for containment. The system can also be used to blast and then vacuum abrasive independently.

It handles a wide range of recyclable abrasives with ease, including steel grit. It is designed to deliver powerful performance over a range of blasting pressures, operating on just a 185 cfm compressor. The operator can blast and recover at up to 200 feet away from the miniBRS.

An ergonomic design, lightweight yet durable blast head and system-matched hoses make this system especially easy and comfortable to use. This greatly reduces operator fatigue and provides higher productivity.

Features:

- 150 psi-rated, 0.3 cu. ft. pressure vessel with integral media screen
- Blast pressure regulator
- 75 cfm eductor (pneumatic vacuum pump)
- Airwash reclaimer
- Secondary cyclonic dust separator
- Dust collector with polyester filter cartridge
- Differential pressure gauge on the dust collector to alert operator to clean filter
- Blowdown wand for cleaning filter
- 25' by 1/2" blast hose assembly
- 25' by 2" vacuum hose
- Blast and recover head assembly with No. 3 nozzle
- TVII abrasive metering valve (tungsten carbide sleeve)

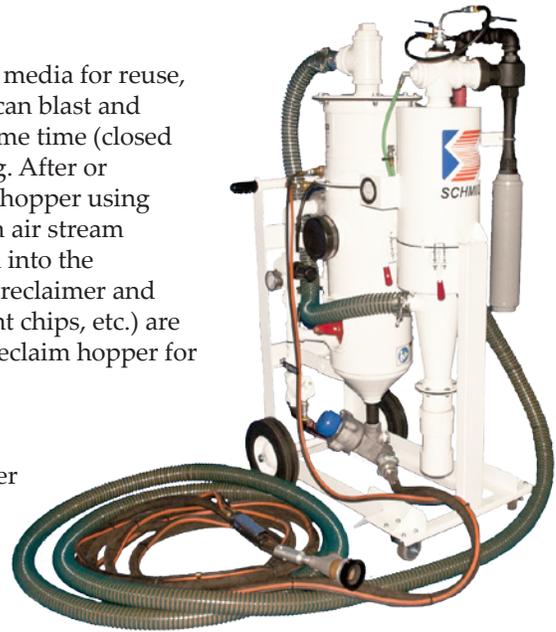


About the miniBRS:

The miniBRS is designed to blast and vacuum recover abrasive media for reuse, reducing or eliminating the need for containment. The system can blast and vacuum abrasive independently, or blast and vacuum at the same time (closed circuit). Abrasive is contained in the pressure vessel for blasting. After or during blast operation, the abrasive is recovered in the reclaim hopper using the system's vacuum. Small particles are carried by the vacuum air stream through the reclaim, through the secondary cyclone and then into the dust collector. The reusable abrasive is retained in the abrasive reclaim and drops to the bottom of the reclaim hopper. Large particles (paint chips, etc.) are trapped by the abrasive screen. Abrasive is reloaded from the reclaim hopper for reuse when the blast vessel is depressurized.

Additional Features:

- Complete system includes everything needed to blast, recover contaminants and handle dust and debris. Just add abrasive and compressed air
- Quick set-up. Compact and easy to move
- Lightweight work head reduces fatigue and helps ensure correct positioning of the blast head against the substrate
- System-matched, small diameter blast and vacuum hoses are lighter and easier to handle
- Includes the industry-leading TVII abrasive metering valve, ComboValve and Auto Air valve
- Easy-access port to remove large debris from screen
- Optional electric deadman blast controls feature the G2E deadman



Specifications:

Blast pattern:	3/4" to 7/8" using a No. 3 nozzle
Maximum working pressure:	150 psig at 250 °F (10.3 bar at 121 °C)
Blast hose size:	25', 1/2" diameter hose
Vacuum hose size:	25', 2" diameter hose
Electrical requirements:	12 VDC (for optional electric deadman blast controls)
Abrasive capacity:	Blast vessel - 0.3 cu. ft. (8.5 L) Reclaim hopper - 0.3 cu. ft. (8.5 L)
Vacuum system:	Pneumatic vacuum pump (eductor)
Dust collector filter:	6" diameter, dry poly-bond
Weight:	335 lbs/152 kg; 450 lbs/205 kg with controls
Dimensions:	60" H x 22" W x 34" L

Video:

See our miniBRS video online at SchmidtAbrasiveBlasting.com or on YouTube.

Contact your local Schmidt distributor
or call Axxiom at 800-231-2085
for distributor information.



800-231-2085 SchmidtAbrasiveBlasting.com

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Blast & Recovery Systems

When you can't or don't want to use traditional open blast methods

A product of Axxiom Manufacturing, Inc.

The Schmidt® BRS is designed to maximize the use of a wide range of recyclable abrasives, including steel grit, to remove coatings and corrosion when cleaning steel or concrete surfaces. Blast and recover simultaneously, or blast and then vacuum abrasive independently. Eliminate dust clouds, poor visibility and costly, time-consuming cleanup. Ideal for sensitive jobsites, indoor blasting, building restoration, lead or asbestos abatement, bridge and road maintenance, barge and ship cleaning, and more.



BRS

- Blast where open-air blasting is prohibited, or is not possible or practical
- Portable or skid-mounted 2.0, 3.5 and 6.5 cu. ft. models
- Pneumatic or optional electric remote controls
- Blast pressure regulator with bypass piping allows blasting at lower pressures
- Urethane eductor (pneumatic vacuum pump) with 150, 225, 350 or 440 CFM nozzle
- Cyclonic dust separator/media reclaimer
- Dust collector (dry or dry-HEPA) with automatic pulse jet to prevent clogging
- Easy, quick-open hatches for access to cartridges and filters
- Optional differential pressure gauge (dust collector)
- Moisture separator and media vibrator for smooth, even flow of abrasive
- TVII abrasive metering valve (urethane sleeve)
- Tungsten Carbide TVII sleeves available
- Optional adjustable air wash for improved media cleaning
- Optional remote abrasive cutoff for cleaner start/stop
- Optional electric vacuum available



About the BRS:

The BRS is designed to blast and vacuum recover abrasive media for reuse. These systems can blast and vacuum abrasive independently, or blast and vacuum at the same time (closed circuit). Abrasive is contained in the pressure vessel for blasting. After or during blast operation, the abrasive is recovered using the system's vacuum. Small particles are carried by the vacuum air stream through the reclaim into the dust collector. The reusable abrasive drops to the bottom of the reclaim hopper. Large particles (paint chips, etc.) are separated out by an abrasive screen. Abrasive is reloaded from the reclaim hopper for reuse when the blast vessel is depressurized.

Specifications:

Maximum working pressure (BRS): 150 psig at 250°F
Minimum metal temperature (BRS): -20°F at 150 psig
Blast hose size (BRS): Up to 1 1/2"

MODEL	HEIGHT IN (CM)				WIDTH IN (CM)		LENGTH IN (CM)	WEIGHT LBS (KG)			
	SKID MOUNT		PORTABLE		SKID MOUNT	PORTABLE		SKID MOUNT		PORTABLE	
	CYCLONE	AIR WASH	CYCLONE	AIR WASH				CYCLONE	AIR WASH	CYCLONE	AIR WASH
BRS 2.0	71 (180)	83 (211)	76 (194)	87 (221)	27 (69)	35 (89)	60 (152)	983 (446)	895 (406)	997 (425)	988 (448)
BRS 3.5	81 (206)	87 (221)	88 (224)	94 (239)	36 (91)	53 (135)	68 (173)	1396 (633)	1483 (673)	1540 (699)	1566 (710)
BRS 6.5	100 (254)	115 (277)	107 (272)	122 (310)	36 (91)	53 (135)	68 (173)	1452 (659)	1610 (730)	1525 (692)	1760 (798)

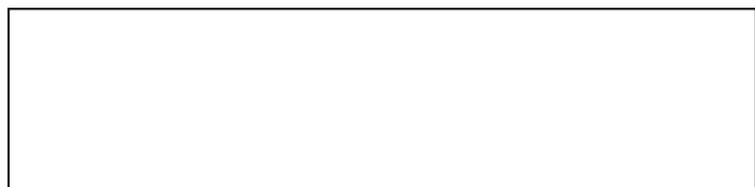
MODEL	VESSEL VOLUME CU. FT. (L)	MEDIA RECLAIMER VOLUME CU. FT. (L)	
		CYCLONE	AIR WASH
BRS 2.0	2.0 (57)	2.4 (68)	2.0 (57)
BRS 3.5	3.5 (100)	6.6 (187)	3.5 (100)
BRS 6.5	6.5 (184)	8.3 (235)	6.5 (184)

Other Systems:

The **BRS2** is a 13.5 cu. ft., 20.0 cu. ft. or custom-sized system designed for higher productivity than the standard BRS systems, and has heavy duty, high capacity components for blasting, vacuuming and dust collection.

The **miniBRS** is a 0.3 cu. ft., highly portable and compact unit that can be operated in space or access-limited jobsites with just a 185 cfm compressor. It is designed to allow for blasting at lower pressures if desired, yet remains fully capable of maximum performance with the operator at up to 200 feet away from the vessel. (Dimensions 34"L x 22" W x 60" H)

Contact your local Schmidt distributor or call Axxiom at 800-231-2085 for distributor information.



800-231-2085 SchmidtAbrasiveBlasting.com

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Blast and Recovery System



BRSII

(Blast & Recovery System II)



- Features Schmidt TVII and ComboValve
- Optional High Flow Auto Air Valve for applications with large nozzles
- Moisture separator and media vibrator ensure consistent flow of abrasive
- Optional high efficiency secondary cyclone extends dust collector filter life
- Four-cartridge dust collector with automatic pulse jet to minimize clogging of dust filters
- Reclaimer features large, quick-opening door to access screen

Vessel shown with optional 50 Hp electric vacuum blower

The Schmidt BRS 2 is a high productivity system that is capable of using a wide range of abrasive media to remove coatings and corrosion. Featuring heavy duty construction and quality components, this system is ideal for bridge and road maintenance, barge and ship cleaning, rail car facilities and many other steel and concrete cleaning applications.



Blast and Recover in ONE Step

www.AxxiomMfg.com
Phone: 800.231.2085
Fax: 888.600.3300



Pressure Vessel

13.5 CF 30" dia. ASME Sect VIII coded pressure vessel rated for 150 psig
90° cone bottom
(2) 6" x 8" Handways

Blast Controls

(2) 1½ Thompson Valve II (polyurethane sleeve) with automatic air valve
G2 Pneumatic deadman controls with 55' twinline ComboValve blowdown

Hopper/Reclaimer

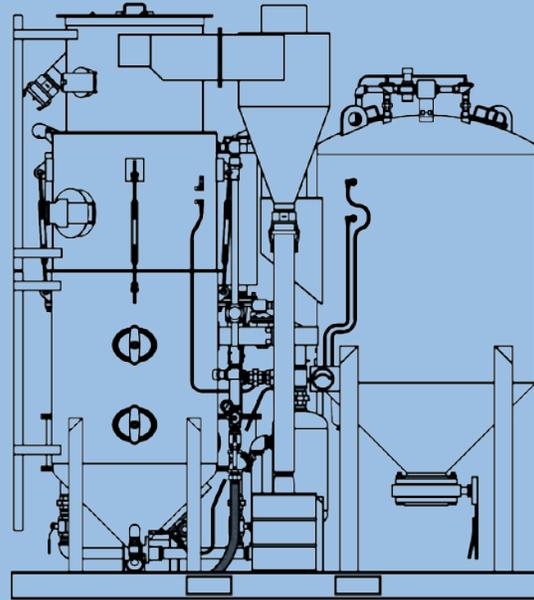
30" dia. 10.5 CF above pressure vessel
Turnbuckle Hold Down for easy removal
30" dia. Plate Flange cover
10" dia. Spider/Pop-up Access door
6" dia. Screen Access door
Vibrating screen with 1/4" perforated screen
Adjustable air wash

Secondary Cyclone

20" dia. rectangular entry design
High-efficiency design to reduce loading of dust collector
60° cone bottom with 4" camlock drain

Dust Collector

48" dia. vessel with 90° cone bottom
8" dia. dust drain with butterfly valve
(4) Four cartridge design (4 paper filters included)
23" x 30" door for easy access to all cartridges
(2) 8" dia. pulse piping access hatches
Automatic 120VAC pulse controls with (4) Four Goyen pulse valves
Magnehelic gage for filter sensing
(1) Hi-attenuation blower silencer (approx. 85dB)



Options Available

Electric Controls (per outlet) (specify voltage)
Remote Abrasive Cutoff *Pneumatic* (per outlet)
Remote Abrasive Cutoff *Electric* (per outlet)
+Shipyard Lifting Frame
20 CF 36" dia. vessel (dished bottom)
10 CF Double Chamber w/ Combo Probe
*40 HP Electric Vacuum Blower
*50 HP Electric Vacuum Blower
*40 HP Diesel Driven Blower
Dual Eductors



Blast and Recovery System



IBRS

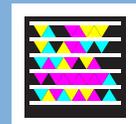
(Industrial Blast & Recovery System)



- Features Schmidt TVII and ComboValve
- Optional High Flow Auto Air Valve for large nozzle applications
- Moisture separator and media vibrator ensure even consistent flow of abrasive
- Optional high efficiency secondary cyclone extends dust collector filter life
- Cartridge style dust collector with automatic pulse jet to minimize clogging of filter
- Custom systems available
- Optional floor trough system available

The Schmidt Industrial Blast and Recovery system is designed to meet the needs of industrial blasting operations. This flexible system offers an affordable alternative to traditional blast rooms. A wide range of available vessel sizes allows for multiple operators and high productivity.

Convert Your Room into a Blast Room



www.AxxiomMfg.com
Phone: 800.231.2085
Fax: 888.600.3300



Pressure Vessel

6.5 CF 24" dia. ASME Sect VIII coded pressure vessel rated for 150 psig
Standard Schmidt 3¾" dia. pop-up with spider
90° cone bottom, 6" x 8" Handway
(2) Two outlet capability

Blast Controls

(1) 1½" Thompson Valve II metering (polyurethane sleeve)
(1) 1¼" Union end ball valve
G2 Pneumatic deadman controls with 55' twinline
Manual Blowdown
High Flow AAV for greater productivity
1½" small pot moisture trap

Hopper

24" dia. 6.5 CF above pressure vessel
Access door(s) at top and bottom for screen and pop-up
Vibrating screen with 1/4" perforation
High level sight glass

Reclaimer

24" dia. cyclonic design
Adjustable air wash
Wear resistant material or liner

Miscellaneous Features

Skid mounted with side fork pockets
Standard Schmidt blast, prime and paint white
25' of 6" vacuum hose included

Dust Collector

Two cartridge design (2 paper filters included)
Dual doors for easy access to cartridges
Automatic 120VAC pulse controls with (2)
Goyen pulse valves
Magnahelic gage for filter sensing
1000 CFM @ 32" WC 10HP Electric
Blower 460 or 230/3PH/60 Hz
Hi-attenuation blower silencer (approx. 85dB)

Options Available

Additional Thompson Valve II pneumatic outlet
Secondary cyclone separator
800 CFM moisture separator
Tungsten Carbide sleeve
Union end ball valve
Electric controls (per outlet) (specify voltage)
Remote abrasive cutoff *Pneumatic*
Remote abrasive cutoff *Electric*
ComboValve blowdown
Option for 10.5 CF (30" dia.) blast pot & hopper

