



★★★★
MADE IN THE
USA

BNP 6012 & 7212 SUCTION BLAST CABINETS

EFFICIENTLY AND AFFORDABLY CLEAN, DEBURR, PEEN, OR FINISH PARTS

IMPORTANT: For safe, efficient blasting, read and follow the operations manual and seek training for everyone who will use this equipment.



**BNP 6012 & 7212
Blast Cabinets
deliver efficient,
affordable media
blasting to clean,
peen, deburr, or
finish parts.**

SAFETY & PRODUCTIVITY

- Unique Air-Logic system (pilot-actuated) to maximize air flow to the nozzle.
- Double-wall, sound-insulated door set.
- 12ga steel all-welded construction, with strength breaks to form a rigid, long-lasting cabinet shell.
- Large 20" x 30" view window.
- Ceiling-mounted, 100W LED light fixture with abrasive-resistant, cover for extraordinary visibility.

- Safety interlocks interrupt blasting if either door is opened.

CONVENIENCE

- Tilt-out window, for tool-free glass changes in minutes.
- Pressure regulator, gauge, and electric switch mounted within easy reach.
- Built-in blow-off gun helps keep dust inside the cabinet, not on your floor.
- Bolt-on sump pipes allow easy replacement for maintenance.

COMMON APPLICATIONS

- Remove rust, mill scale, heat scale, and carbon buildup from metals.
- Strip paint, powder coating, plating, and anodizing from parts for rework.
- Eliminate burrs, parting lines, flashings, and other defects from castings and injection-molded parts.
- Extract residual sand from castings.
- Beautify steel, stainless steel, aluminum, brass and other metals with a uniform matte finish.
- Etch artwork and lettering into glass, stone, plastics, metal and other materials.
- Clean release agents and material buildup from molds.

POPULAR ACCESSORIES

- Air-powered vertical lift door
- Alox kit (for harsh media)
- Arm rest assembly
- Curtains (black or white)
- HEPA filter
- Manometer kit
- Timed door release
- 30", 40", and 48" dia. turntables with or without workcar and 9 ft track extension
- Additional operator station
- Additional door set
- Door set moved to opposite side

COMPLETE SYSTEM

Space required depends on configurations, options and work flow. Allow space for operator and maintenance access. See maintenance access height (MAH) below.

Model illustrated: BNP-6012S, with freestanding reclaimer

BNP-6012S

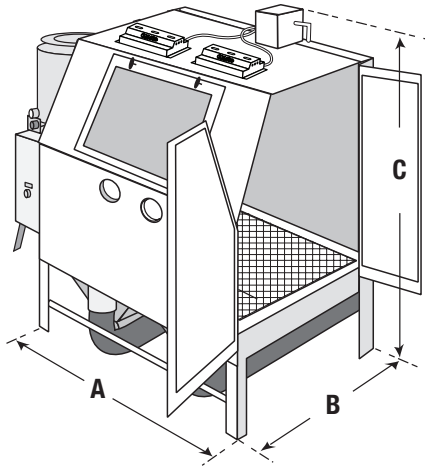
- A - 60" deep
- B - 60" wide
- C - 81.25" high

BNP-7212S

- A - 72" deep
- B - 72" wide
- C - 91.25" high

900 cfm

- Reclaimer**
- 47" diameter
- 80" high



CABINET

Working Chamber (6012S)

- 58" wide (1473 mm)
- 58.5" deep (1486 mm)
- 53" high (1346 mm)

Working Chamber (7212S)

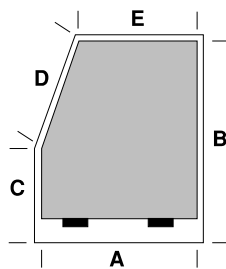
- 69" wide (1753 mm)
- 70.5" deep (1778 mm)
- 63" high (1600 mm)

Window (safety glass)

- 30" wide (762 mm)
- 20" high (508 mm)

Double swinging doors on right side of cabinet are standard. Cabinets can be ordered with doors moved to left side.

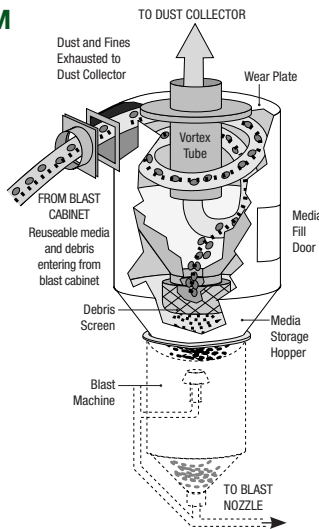
Door Opening



BNP 6012S	BNP 7212S
A - 55.5" (1410 mm)	A - 67" (1702 mm)
B - 52.5" (1333 mm)	B - 63.5" (1613 mm)
C - 27" (686 mm)	C - 28" (711 mm)
D - 27" (686 mm)	D - 38" (965 mm)
E - 46" (1168 mm)	E - 54" (1372 mm)

BLAST RECLAIM SYSTEM

Our exclusive media reclaimers continuously extract dust and debris and return properly sized, usable media to the blast system. The standard reclaimer handles all non-metallic media. For metallic media, choose from the two PM models. The reclaimer, mounted atop the pressure vessel, automatically refills the blast system with clean, recycled media. The versatile design of our larger reclaimers lets you quickly adapt the system to your changing needs.



BNP BLAST GUN

Sets the industry standard for performance, versatility, and durability. The ergonomic grip increases productivity by reducing operator fatigue. A standard ceramic nozzle is ideal for bead blasting; optional tungsten or boron carbide nozzles for blasting with aggressive abrasives.

BNP BLAST GUN (AIR CONSUMPTION)

Nozzle	Nozzle Orifice	Air Jet	CFM at 80 psi	M ³ /Min at 5.5 BAR	Minimum Reclaimer
No. 4	5/16"	1/8"	21	0,60	900 cfm (25 m ³ /m)
No. 5	5/16"	5/32"	32	0,90	900 cfm (25 m ³ /m)
No. 6	3/8"	3/16"	48	1,35	900 cfm (25 m ³ /m)
No. 7	7/16"	7/32"	62	1,76	900 cfm (25 m ³ /m)
No. 8	1/2"	1/4"	85	2,41	900 cfm (25 m ³ /m)

BNP 6012-S and 7212-S come with a No. 5 BNP gun. Consult distributor for advice regarding appropriate recovery size.

DUST COLLECTORS

ZERO RP Dust Collectors trap 99.7% of dust particles down to 0.5 micron.

CDC-1: CDC-1 Dust Collectors come in 300 cfm, 600 cfm, and 900 cfm sizes. The cartridges are pulse-cleaned; press the manual pulse-valve to clear the filter of dust. They are 34" W, 42" D (with motor housing) and 94" H. MAH is 11 ft for 300 cfm and 600 cfm units, 12.5 ft for 900 cfm units.

RPH: The RPH-2 filter area is 470 sq ft; the RPH-3 filter area is 705 sq ft. Both have a built-in hopper to minimize dust handling. At each pulse, dust falls into the hopper and then into a disposal drum or bag. Operators never handle dust, an important safety feature. RPH Dust Collectors are 56" W (with motor housing), 36" D by 115" H. They allow for outdoor installation. The MAH for RPH units is 15 ft 2".

ELECTRICAL

Available with three phase motors only:

900 CFM: (25 m³/m) 2HP, 3PH, 60HZ, (1.5KW, 220V, 3PH, 50HZ)

1200 CFM: (34 m³/m) 5HP, 3PH, 60HZ, (3.7KW, 220V, 1PH, 50HZ).

Other motors and electrical configurations are available.

ORDERING INFORMATION

Model Number	Reclaim CFM (m ³ /m)	Dust Coll.	230V Stock No.	460V Stock No.	Ship Wt. lb (kg)
BNP-6012S-900 CDC	900(25)	CDC-1	28392	28393	2,215 (1005)
BNP-6012S-900 RPH	900(25)	RPH-2	25483	25484	3,070 (1393)
BNP-6012S-1200 RPH	1200(34)	RPH-3	25487	25488	3,825 (1735)
BNP-7212S-900 CDC	900(25)	CDC-1	28396	28397	2,835 (1286)
BNP-7212S-900 RPH	900(25)	RPH-2	25509	25510	3,690 (1674)
BNP-7212S-1200 RPH	1200(34)	RPH-3	25513	25514	4,735 (2148)