



## BNP 6012 & 7212 Suction Blast Cabinets



Model BNP 6012S and RPC

**Clean  
Peen  
Deburr  
Finish**



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

New— bolt-on sump pipes and pipe adaptors, and dimensional changes that affect curtain sizes.

**CAUTION:**

Curtain sizes differ; take care when ordering replacement curtains or alox kits for older 600 and 720 models.

### 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

### BNP 6012 & 7212 Suction Cabinets Feature:

#### Safety

- ✓ Full-length, neoprene-on-fabric gloves resist wear and protect operator.
- ✓ Ceiling-mounted, four-tube fluorescent light fixture with abrasive resistant wire-embedded glass cover for extraordinary visibility.
- ✓ Safety interlocks interrupt blasting if either door is opened.
- ✓ Heavy-duty, cam-style latch seals doors tight through years of service.

#### Productivity

- ✓ Unique Air-Logic system (pilot-actuated) to maximize air flow to the nozzle.
- ✓ Double-wall, sound-insulated door set.
- ✓ 12-gauge steel all-welded construction, with strength breaks to form a rigid, long-lasting cabinet shell.
- ✓ Large 20" x 30" view window.

#### 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.

### BNP Blast Gun with Ceramic Nozzle

The BNP blast gun sets the industry standard for performance, versatility, and durability. The ergonomic grip reduces operator fatigue and increases productivity. The standard ceramic nozzle is perfect for bead blasting, while the optional tungsten or boron carbide nozzles stand up to hundreds of hours of blasting with today's aggressive abrasives.

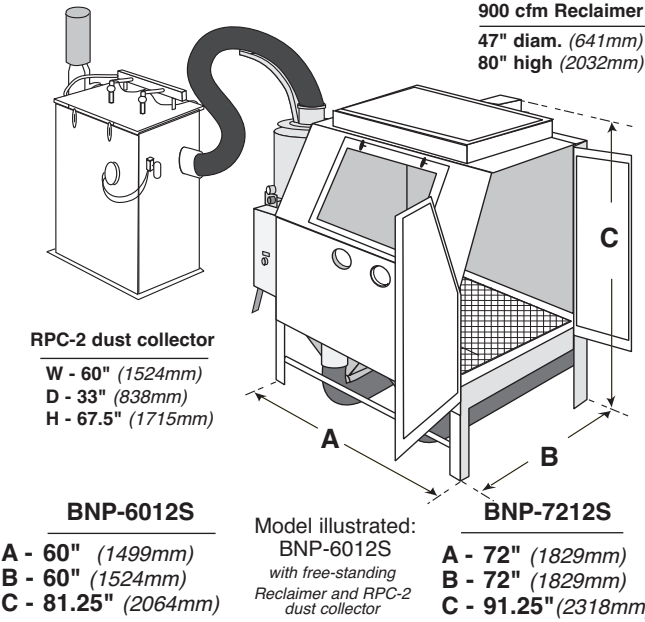
### Popular Accessories

- 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 work car and 9 ft track extension
- Additional operator station
- Additional door set
- Door set moved to opposite side

# S P E C I F I C A T I O N S

## COMPLETE SYSTEM

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



## CABINET

### Working Chamber Size

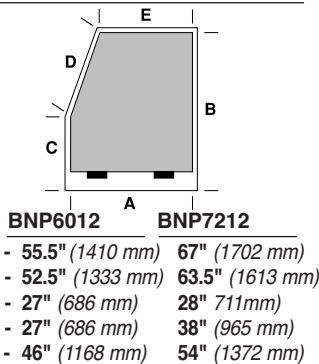
<b>BNP-6012S</b>	58" wide (1473 mm) 58.5" deep (1486 mm) 53" high (1346 mm)
<b>BNP-7212S</b>	69" wide (1753 mm) 70.5" deep (1778 mm) 63" high (1600 mm)

### Window Size (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



## 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 three sizes; 300 cfm, 600 cfm, and 900 cfm. The cartridges are pulse-cleaned by pressing the manual pulse-valve to clear the filter of dust. Dimensions are 34" wide, 42" deep (with motor housing) and 94" high. MAH is 11 ft for the 300 cfm and 600 cfm units and 12-1/2 ft for the 900 cfm unit.

### RPC-2

The RPC-2 has two cartridges which provide 470 sq ft of filter area. The cartridges are automatically pulse-cleaned for maximum filter efficiency. Dimensions are: 56" wide (with motor housing) by 30" deep by 67.5" high. The MAH for the RPC-2 series is 8 ft 10 inches.

### RPH-2

The RPH-2 has a filter area of 470 sq ft; the RPH-3 has a 705 sq ft filter area. Both have a built-in hopper to minimize dust-handling. At each pulse, dust falls first into the hopper and then into a disposal drum or bag beneath it. The operator never handles the dust—an important safety feature. RPH dust collector dimensions are: 56" wide (with motor housing) by 36" deep by 115" high. The RPH is designed to allow outdoor installation. The MAH for the RPH collectors is 15 ft 2 inch.

ISO 9001 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

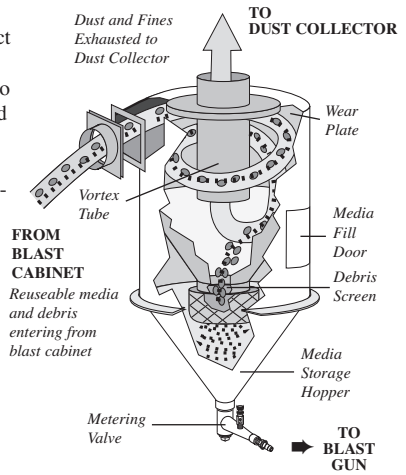
## MEDIA RECLAIMER

### The Heart of ZERO's Blasting 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 specify reduced ID conveying hose.

The versatile design of our larger reclaimers lets you quickly adapt the system to your changing needs.

The suction blast metering valve is infinitely adjustable from fully-closed to wide open, and locks into any setting without tools.



## BNP BLAST GUN

### AIR CONSUMPTION

BNP GUN	NOZZLE ORIFICE	AIR JET	CFM at 80 PSI	M <sup>3</sup> /Min at 5,5 BAR	MINIMUM RECLAIMER
No. 4	5/16"	1/8"	21	0,60	900 CFM (25 m <sup>3</sup> /m)
No. 5	5/16"	5/32"	32	0,90	900 CFM (25 m <sup>3</sup> /m)
No. 6	3/8"	3/16"	48	1,35	900 CFM (25 m <sup>3</sup> /m)
No. 7	7/16"	7/32"	62	1,76	900 CFM (25 m <sup>3</sup> /m)
No. 8	1/2"	1/4"	85	2,41	900 CFM (25 m <sup>3</sup> /m)

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

## ELECTRICAL

Available with three phase motors only:

900 CFM (25 m<sup>3</sup>/m) 2HP, 3PH, 60HZ, (1.5KW, 220V, 3PH, 50HZ.);  
1200 CFM (34 m<sup>3</sup>/m) 5HP, 3PH, 60HZ, (3.7KW, 220V, 1PH, 50HZ.);

Other motors and electrical configurations are available.

## ORDERING INFORMATION

Model Number	Reclaim CFM (m <sup>3</sup> /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 RPC	900 (25)	RPC-2	25479	25480	2,495 (1132)
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 RPC	900 (25)	RPC-2	25505	25506	3,115 (1413)
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)

Distributed By: