The ZERO Pulsar® III-PE is a high-production, ergonomic blast cabinet designed specifically to enhance productivity and efficiency by offering a safe and comfortable work station for production blast operators. The Pulsar® III-PE makes long production runs much easier by allowing workers to concentrate on achieving the desired surface treatment rather than on their aching back, legs, and feet.

Pulsar® III-PE Pressure Cabinet Features:

Safety
- Door interlock system interrupts blasting when either door is opened
- Optional time-delay locking system keeps doors locked after blasting stops
- Double-wall, insulated doors, reduce exterior noise
- Industrial-quality lift-off hinges allow easy door removal
- Full-opening doors maximize work chamber capacity and eases loading large parts
- Full-length, neoprene-on-fabric gloves protect operator
- Ceiling light fixture maximizes window view area and offers commanding view of interior

Productivity
- Unique air logic system maximizes air and media flow for blasting
- ASME-code pressure vessel, 1.0 cu ft capacity, with 1/2” piping
- Industrial-quality, coupled two-braid blast hose and tungsten carbide nozzle
- Reverse-pulse cartridge dust collector evacuates spent media and ensures optimal visibility for blasting; traps 99.7% of dust down to 0.5 micron
- Adjustable chrome latches seal doors tight through years of service

Convenience
- Tilt-out window allows tool-free glass changes in minutes
- Easy-to-reach pressure regulator, gauge, and electric switch
- Built-in air gun conveniently located inside allows part blow-off inside cabinet

Clean
Peen
Deburr
Finish
Prep Surfaces

Tungsten Carbide Blast Nozzle

The system comes with a 3/16” orifice a Tungsten Carbide pressure blast nozzle, which consumes 38 cfm of compressed air when blasting at 80 psi. The nozzle's long-wearing properties ensure hundreds of hours of service with glass bead media.

Popular Accessories
- Alox Kit for Use with Harsh Media
- Steel Media Kit
- Time-delay Door Locks
- Turntable & Track Assembly
- HEPA Filter
- Rubber Wall Curtains

Common Applications
- Cleaning parts
- Deburring machined parts
- Stripping paint
- Improving surface finish
- Removing carbon build up
- Removing heat scale
- Applications too numerous to list
SPECIFICATIONS

COMPLETE SYSTEM

Actual space requirements depend on desired work flow. Allow additional work space for operator and maintenance.

Pulsar® III-PE
A. 81" (2057 mm)
B. 55" (1397 mm)
C. 83" (2108 mm)

Model Pulsar® III-PE System Description

Heavy-duty 14-gauge cabinet shell, all-welded construction; 12.5" x 19.5" safety-glass view window; fluorescent lighting with dual 20-watt tubes; heavy-duty industrial-quality adjustable chrome latches; unique air-logic system to maximize efficient use of compressed air, provides optimal media reclamation and dust collection; cabinet-mounted reverse-pulse dust collector with 1 HP motor and 195 square feet of filter area; compressed-air filter; pressure regulator; easily removable dust drum for material disposal; 1.0 cu ft capacity ASME-code pressure vessel.

PRESSURE BLAST AIR REQUIREMENTS

<table>
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<tr>
<th>NOZZLE</th>
<th>NOZZLE ORIFICE</th>
<th>CFM at 80 PSI</th>
<th>M³/Min at 5,5 BAR</th>
<th>CFM at 100 PSI</th>
<th>M³/Min at 7 BAR</th>
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Reclaimer Flow Rate

Pulsar III-PE: Nominal 600 cfm

DUST COLLECTOR

Reverse pulse cartridge dust collector (which traps 99.7% of dust down to 0.5 micron) allows non-stop, high-production blasting. The polyester-cellulose cartridge is automatically pulse cleaned for maximum filter efficiency. Worn cartridge can be replaced in minutes.

Filtering Area

Pulsar® III-PE 195 ft² (18.1m²)

Dust concentration in exhausted air is nominally 5.0 mg/m³. For especially dust sensitive work environments, order the optional HEPA filter.

ORDERING INFORMATION

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<th>Stock No.</th>
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