



Blastequip



Blastar by Blastequip offer a wide range of cabinets for all types of finishing operations.

It would be easier to consider cleaning, peening and finishing from the single perspective of surface preparation, but that is only part of the story. We believe that each function must be seen as a carefully fashioned part of the total plant operation system. We therefore strive to give each of our products a distinctive, precise balance in engineering design. In addition, we offer a broad variety of options and accessories, we recognize that industrial requirements are so numerous and complex that just one or two designs would not suit all applications. Our engineering insures that you are receiving the most advance designs available.

DUST COLLECTORS in order to make our blasting system more efficient, we have developed two integrated dust collector designs. These finely balanced units provide maximum cabinet visibility and efficiency.

Cabinet SB or PB	1000	1200	1500	1800
Overall Height	2200	2200*	2600*	2900*
Overall Width	1050	1800*	1600*	1900*
Overall Depth	650	1000	2100*	1800*
Work Chamber Height	1010	850	1100	1100
Work Chamber Width	1000	1200	1500	1800
Work Chamber Depth	600	900	1200	1200
Door Opening Height	850	775	1025	1025
Door Opening Width	500	750	1050	1050
Window - Shatterproof Laminated	1 off 450x240mm			2off
Lighting - Twin 18 Watt Fluorescent	1 off			2 off & 2 pr Gloves
Doors with interlocks	RH side	RH side	Both sides	Both sides
Note	Requires operator platform			
Dust Collector Motor	750 Watt			
Voltage	240 Volt, three pin plug is wired to the light and Dust Collector.			
All Steel Construction	2-3 mm			
Air Requirement	Min 16cfm(8 l/sec) Max 45cfm(21 l/sec)			

*Dimension includes 600mm for Reverse pulse dust collector / take off 600mm for Drum Type & CS 1000

Reverse Pulse and Drum Type Dust Collectors: All models are supplied with 200L Drum Filter as standard. A Reverse Pulse Cartridge filter can be supplied as an option.

Optional Accessories

Turn Table 630 mm diameter

Blow Off Gun 1 M hose

Water trap and regulator 12 mm on Pressure Blast Cabinets

Roll In Roll Out Table 250 kg and 500kg (800 & 1200 cabinets 630mm dia., 1500 & 1800 cabinets 1000mm dia.)

Tumble Basket 225 dia. X 200mm & 457 dia. X 400mm

For specialty cabinets consult ABES or Local Distributor

Pressure Blast versus Suction Blast

In the majority of applications, the Pressure Blast is favored because of its speed and versatility. The pressure blast is a system in which the abrasive is in a closed pressured vessel (blast pot) with one hose carrying a mixture of compressed air and abrasive from the blast pot to the nozzle. The suction blast is a system in which two hoses, one for compressed air and one for the abrasive, are connected to a gun which has a nozzle and an air jet.

Advantages of Pressure Blast:

- **Faster** - about 3 times faster than suction blast.
- **Particle velocity range** - many pressure blasts are designed to operate from 15 to 125 psi.
- **Control of abrasive flow rate** - the abrasive valve and the choke valve permit accurate control of the abrasive flow rate.
- **Operator fatigue** - Reduced pressure blast nozzles are more compact and lightweight.
- **Maintenance** - There are no air jets or gun bodies to wear out.
- **Longer abrasive life** - Blast cleaning at high pressure greatly reduces abrasive life.
- **Pressure blasts throw more abrasive but at low pressure.**
- **The abrasive breakdown per unit cleaned is reduced.**
- **Can clean cored spaces.**
- **Higher particle velocity** - Critical in getting "bite" on a blast cleaned metal surface.
- **Nozzle Variety** - Can use special nozzles such as angle nozzles

Advantages of Suction Blast:

Lower price - Pressure blast cabinets usually cost more than suction blast cabinets of similar size.

Shorter Abrasive Change Time - Most suction blast cabinets are designed so the abrasive can be changed in 1 or 2 minutes. Most pressure blast cabinets require 5 to 10 minutes.

Quicker recycling of Abrasive - In suction blast cabinets, the abrasive is continuously re-cycled without interrupting the blast. In a pressure blast cabinet, the spent abrasive in the hopper will re-charge into the blast pot via the automatic fill valve after blasting stops, about 20 seconds.

In a choice between pressure blast and suction blast where pressure blast can give 3 time faster production, profit argues very strongly in favor of pressure blast.



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