

How Direct Pressure Works

Pressure Systems utilize a pressure pot that when pressurized with media in the pot, accelerates the media from the pot through the blast hose to the nozzle. A direct pressure unit has the same amount of pressure in the pressure pot vessel and passing through the air line that connects to the outlet of the abrasive metering valve.

Sometimes direct pressure systems are referred to as gravity fed or equal pressure units. While the abrasive 'free flows' into the air stream, the operator can better control, or direct, the blasting process at both low and high end pressures.

In most applications, work can be done four times faster than with a siphon cabinet as the abrasive is delivered at a much higher velocity. Media Control valve shown in full open position in the illustration above. Under normal operating conditions, the valve handle would be in the 7 o'clock position.

WD 48 x 24 FT

Overall			Openings	Window
Height	Width	Depth	Top 48" x 24"	Height 12"
71"	51"	54"	Side 17" x 11"	Width 24"
Working			Approx. Weight	Mfg. Number
23"	48"	24"	600 lbs	101697WD-A

The WD 48 x 24 FT offers 6" more working width than the 42 x 24 model. Regulator and gauge, fluorescent lighting, steel screen work surface, 400 CFM dust collector, 1/8" I.D. tungsten carbide nozzle, carbon screen and cloth-lined work gloves are standard. Optional features include an airline filter, dust blow off gun, tumble basket and turntable.



WD 42 x 24 FT

Overall			Openings	Window
Height	Width	Depth	Top 42" x 24"	Height 12"
71"	45"	54"	Side 17" x 11"	Width 24"
Working			Approx. Weight	Mfg. Number
36"	24"	23"	580 lbs	101696WD-A

The WD 42 x 24 FT direct pressure blast cabinet delivers abrasive at higher velocity than does a siphon system to maximize your production rates. Clam shell opening allows easy access to projects and includes a standard 400 CFM dust collector. The foot pedal operated 1/8" I.D. tungsten carbide nozzle permits easy operation and control. Other optional equipment includes a dust blow off gun, tumble basket, turntable and more.



WD 40 x 38

Overall			Opening	Window
Height	Width	Depth	Side 33" x 26"	Height 24"
96"	42"	39"		Width 24"
Working			Approx. Weight	Mfg. Number
35"	40"	38"	795 lbs	102760R-A

Econoline's WD 40 x 38 blast cabinet features a raised steel work platform for the operator and a large window for easy project viewing. Oval armports hold standard rubber cotton-lined work gloves. Other standard features include regulator and gauge, fluorescent lighting, a 14 and 11 gauge welded steel cabinet, tungsten carbide nozzle, moisture filter, media regulator, 1/2" internal diameter abrasive hose, foot pedal operation, 400 CFM dust collector and 10-120 PSI ASME code pressure pot with a media capacity of 1 cubic foot.



26" side opening allows for easy project loading.

DP 36-1

Overall			Openings	Window
Height	Width	Depth	Top 36" x 13"	Height 12"
65"	60"	25"	Side 17" x 11"	Width 24"
Working			Approx. Weight	Mfg. Number
23"	36"	24"	350 lbs	101694D-A

A state-of-the-art pressure pot dry blast system designed for the high volume shop seeking excellent control for blasting applications. Featuring a side mounted pressure pot for easy operation, holds up to 110 pounds of blasting media for long, uninterrupted blasting. Wide front and side doors allow for quick and easy placement and removal of objects. A convenient pressure control gauge and foot-operated 25 CFM tungsten carbide blast nozzle reduce fatigue for the operator ready to get the job done. Unit includes a 100 CFM dust collector.



WD 36 x 30

Overall			Openings	Window
Height	Width	Depth	Top 36" x 13"	Height 12"
70"	38"	31"	Side 17" x 11"	Width 24"
Working			Approx. Weight	Mfg. Number
35"	36"	30"	480 lbs	103098R-4

The WD 36 x 30 blast cabinet from Econoline has a standard 400 CFM dust collector and ASME code pressure vessel. Other standard features include oval armports, foot pedal operation and a tungsten carbide nozzle.



MP 36 Slot Blaster

Overall			Openings	Window
Height	Width	Depth	Top 34" x 18" Side 35" x 3"	Height 14" Width 26"
76"	84"	32"		
Working			Approx. Weight	Mfg. Number
36"	36"	30"	480 lbs	101760D-A

The Econoline MP 36 Slot Blaster features vertical and horizontal slots and load bearing arms on both sides for easy loading of tall and wide projects ready to be blasted. Adjustable rollers aid blasting and dual floodlight lighting provides excellent visibility. With foot pedal operation and cloth-lined work gloves, this machine is built for comfort and safety. A regulator and gauge, steel screen work surface and 1/8" I.D. tungsten carbide nozzle are also standard. The 100 CFM dust collector is standard, but 150, 400 and 600 CFM dust collectors are available as options.



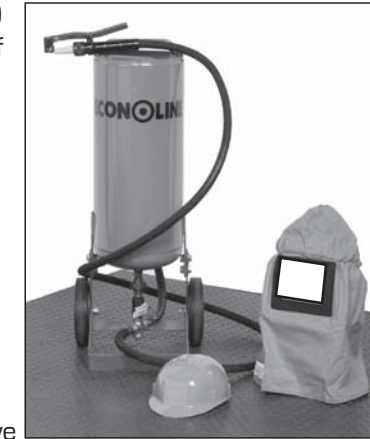
Inside the MP 36 Slot Blaster



EC-90 DM

Height	Diameter	Approx. Weight	Mfg. Number
60"	10"	75 lbs	102461D-A

The portability and 90 lb abrasive capacity of the EC-90 DM from Econoline makes this model ideal for quick touchups. Dead man handle design means the blast shuts off when the handle is released. A pull up closure plug adds to this model's convenience and its low-cost operation. Five ceramic nozzles, 10 ft. of heavy duty 1/2" I.D. abrasive resistant hose are standard. The pressure relief valve meets OSHA requirements and the tall vertical tank design makes this modular unit a handy addition to your facility. Also comes with a light duty protective hood and bump cap.



Abrasive Blast Engraving

Abrasive blast engraving is a process where a hard object such as glass, ceramic, or marble is engraved by abrasive media. This process is also commonly referred to as etching.

The actual etching process is controlled by attaching an abrasive blast resistant mask on the item to be blasted. The detail of this mask creates the highly detailed etched areas in the object. The durability of the mask allows the user to etch very deep in the piece, which also increases its value.

Abrasive blasting is a unique process that allows both small and large businesses to create beautiful work completely within their own facility, without the need to send artwork out to a supplier. We believe product improvements, and more variety of etched products have increased the awareness and appreciation of this attractive, artistic look to consumers.

EC-90 R

Height	Diameter	Approx. Weight	Mfg. Number
60"	10"	80 lbs	102461R-A

All the portability and convenience of the EC-90 DM, with remote blast control, water filter and gauge, for the ultimate in operator safety. Remote blast control offers full control at nozzle handle. System shuts off at the tank. 90 lb abrasive capacity allows for 30 to 50 minutes of blast time, and the pressure relief valve and pressure relieving ball valve both meet OSHA requirements. Comes standard with a light duty protective hood and bump cap.



100 CFM Dust Collector



Dust collector and replacement bag

Econoline's 100 CFM Dust Collector is standard on most blast cabinet models. It was created especially for the removal of dust and dirt particles created while blasting within a cabinet. While the blast cabinet is in operation, the collector draws dust and dirty air from the cabinet into the canister where the heavier particles are deposited into the bottom of the barrel housing. The air is then drawn through the filter which removes the finer dust particles. This bag style dust collector requires only minor maintenance.

For more information on Econoline's full range of dust collectors and replacement bags, please see catalog pages 15 and 28.