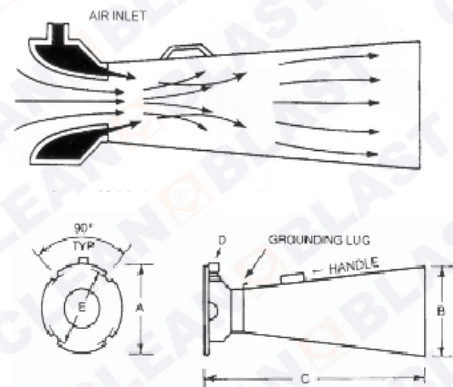


VENTURI BLOWERS



Clean Blast Venturi Blowers move high volumes of air for numerous cooling & ventilating applications. Since Venturi Blowers have no moving parts, operate on compressed Air, and are ideally suited for use in hazardous atmospheric locations.

Venturi Blower may be used for either supply or exhaust applications. Typical application includes venting of tanks, towers, and pressure vessels in process plants and refineries, ventilating tank cars, holds, manholes and confined work areas, and cooling and drying applications in shipyards, manufacturing plants, and at construction sites. They can move larger volumes of air through long runs of dust



Principle of Operation:

The Clean Blast Venturi Blower operates on the venturi principle that uses small volumes of high velocity air to accelerate large volumes of low velocity air. Clean Blast Venturi Blower, air enters a concentric manifold chamber surrounding a venturi throat. A series of orifices located symmetrically around the chamber are positioned to expand the Air into the reaction zone downstream of the throat. It is here that the high velocity air imparts its energy to slower moving air and accelerates it which in turn draws more air through the throat into the reaction zone. Direction and expansion rate of air is controlled by a conical-shaped diffuser.

Venturi Blower Specifications and Performance

	50 PSIG		70 PSIG			90 PSIG	
Model	Total Air Flow		Total Air Flow			Total Air Flow	
B550100	935 CFM		1274 CFM			1422 CFM	
B550110	1211 CFM		1429 CFM			1580 CFM	
B550120	2770 CFM		3340 CFM			3752 CFM	
B550130	3785 CFM		4562 CFM			5041 CFM	
Model	Air Consumed		Air Consumed			Air Consumed	
B550100	38 CFM		53 CFM			64 CFM	
B550110	38 CFM		53 CFM			64 CFM	
B550120	76 CFM		99 CFM			127 CFM	
B550130	117 CFM		152 CFM			197 CFM	
Model	Overall Length	Diameter of Base	Diameter of Horn	NPT	Bolt Circle	Base Slot	Weight
B550100	16.31"	7.38"	6.19"	1/2"	6.75"	0.31"	5.3 lbs
B550110	32.12"	7.38"	7.37"	1/2"	6.75"	0.31"	8.1 lbs
B550120	44.00"	11.16"	13.00"	1"	10.28"	0.43"	22.1 lbs
B550130	46.50"	14.31"	14.37"	1"	13.18"	0.56"	32.3 lbs