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Commercial Information

SURFACE PREPARATION INNOVATION

Version Date: January 2011

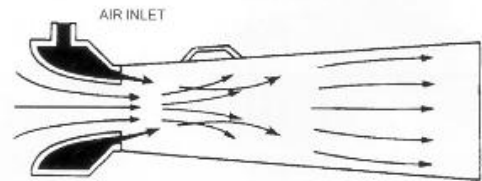
Title: Venturi Air Blower

VENTURI AIR BLOWER

Venturi Air Blowers provide high volumes of air movement, using minimal compressed air. They have NO MOVING PARTS and as such are well-suited for use in hazardous atmospheric locations as well as in supplying or exhausting applications such as tanks, towers, refineries, process plants, pressure vessels, cooling/drying applications, foundries, sand blasting and shipyard applications, manholes, cargo holds, and other similar confined work areas.

How venturi blowers work

Compressed 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. A conical-shaped diffuser controls the direction and expansion of the accelerated air.



Venturi Blower - Principle of Operation

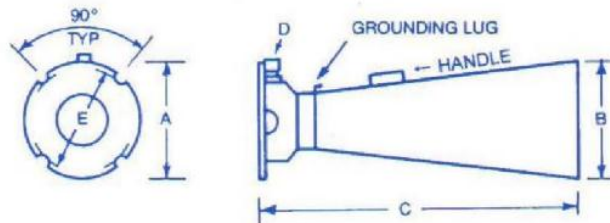
Venturi Air Blower - Air Flow Performance in CFM (m ³ /h)						
Supply Pressure psi (bar)	Model	Static Pressure in Pascal (Pa)				
		0	125	249	374	498
100 (7)	3P	1 575 (2 676)	1 520 (2 582)	1 450 (2 463)	1 375 (2 336)	1 290 (2 191)
	3	1 750 (2 973)	1 680 (2 854)	1 610 (2 735)	1 525 (2 591)	1 430 (2 430)
	6	4 600 (7 815)	4 425 (7 518)	4 225 (7 178)	3 975 (6 754)	3 700 (6 286)
	8	6 300 (10 703)	5 730 (9 735)	5 290 (8 988)	4 920 (8 359)	3 990 (6 779)
	9	8 900 (15 122)	8 300 (14 102)	7 700 (13 082)	7 000 (11 893)	6 600 (11 213)
	10	10 500 (17 840)	9 500 (16 141)	8 000 (13 592)	7 500 (12 743)	6 800 (11 553)

SURFACE PREPARATION INNOVATION

Portable/Stationary Abrasive Blast Equipment - Nozzles - Nozzle Holders - Hoses - Couplings - Lighting
 Wetblast Equipment - High Pressure Waterjetting - Personal Protection - Blast Cabinets - Dehumidifiers
 Blastrooms Vacuum Blast/Recovery Equipment - Portable/Stationary Wheelblast Equipment
 Pipe Cleaning/Coating - Air Treatment - Mobile Dust Collectors - Media - Paintspray Equipment
 Plural Component - Measuring Instruments

Safety precautions

- Always attach the electric ground or static ground that is attached to the base of all air movers to a ground wire. This will prevent a build-up of static electricity.
- Do not drag the base of the air blower over rusty steel. The base is made from a high quality aluminium alloy and heavy smears of aluminium on steel (being struck by an object) can cause incendiary sparks.
- Care should be taken to prevent clogging of the nozzle jets: periodic cleaning with a steam cleaner ensures that nozzle jets remain clear.
- Always secure the air mover in place prior to turning on the air supply, or it will move from its intended position.



Dimensions (in inches)

Model	A	B	C	Air Inlet	Mounting Flange			Weight (lb)
				D	E	NO.	Notch Width	
3P	8	6	17	½	7.25	4	0.63	7
3	8	8	36	½	7.25	4	0.63	9
6	11.5	12	45	1	10.75	4	0.63	26
8	14.5	14	48	1	13.5	4	0.63	38
9	16.8	14	48	1 NPT	15.3	10	0.937	42
10	17.5	15.75	48	1	15.5	4	0.63	42

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