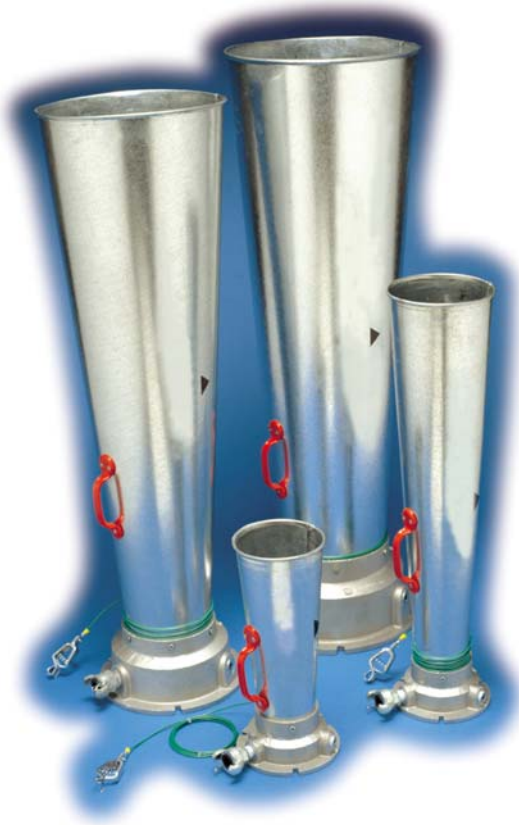


Airblast B.V.
 P.O. Box 1075
 1700 BB Heerhugowaard
 The Netherlands
 Tel. : +31 72-5718002
 Fax : +31-72-5714340
 E-mail : info@airblast.com

Commercial Information
The Art of Powerful Cleaning...

Date: 03/2007

Title: Airblast Venturi Air Blowers



CONSTRUCTION:

- Constructed with galvanized steel
- Single piece cast aluminum inlet housing
- Sturdy steel galvanized steel diffuser
- Static ground attached to base of unit
- Steel handle
- Quick coupling inlet connection
- Multiple inlet ports

GENERAL DESCRIPTION:

Airblast Venturi Air Blowers are a perfect solution for ventilating or extracting hazardous and explosive vapors from tanks, as well as a variety of other functions. Additionally, it can be used to cool down machinery or workers. Its function is to take high pressure air volume (from a compressor), creating a Venturi action, which results in the inhalation of large volumes of air through base. Maximum air pressure: 140 PSI.

AIR FLOW						
Model	AIR CONSUMED (CFM)			TOTAL AIR FLOW (CFM)		
	40 PSIG	60 PSIG	80 PSIG	40 PSIG	60 PSIG	80 PSIG
A-1000	36	50	62	815	981	1182
A-1200	36	50	62	1017	1231	1482
A-2900	73	98	124	2385	2885	3347
A-4100	114	152	193	3152	4152	4929

DIMENSIONS						
Model	Overall Length (mm)	Diameter of Base (mm)	Diameter Top of Horn (mm)	Inlet Size (inch)	Bolt Circle Diameter (mm)	Net Weight (kgs.)
A-1000	426	186	153	1/2	167	2,5
A-1200	775	186	178	1/2	167	4
A-2900	1124	286	318	1	267	10
A-4100	1170	365	362	1	346	17

USAGES OF VENTURI TYPE AIR BLOWERS

Petroleum Processing

Refineries and Chemical

Turnarounds or shutdowns are performed periodically to refurbish and overhaul units of both chemical plants and refineries. Fumes must be removed that are sometimes poisonous, explosive or noxious from process towers, tanks, large pipes, etc. before men can work effectively in these areas. Air blowers can also be used to cool heavy equipment that may be in danger of overheating or that needs to be cooled in order to be worked on. In super-hot areas, sometimes the air blowers are used to cool men.

Power Plants

Utilities and Cogeneration Units

Heavy-duty turbines, both steam and gas, induced draft fans and hot furnaces that may require emergency repairs can be cooled quickly with the use of air movers. To cool enclosed machinery, you can exhaust hot air from one side and use another air blower to move cooler air in from the other side.

Metal Fabrication of Tanks, Towers and Vessels

Welding in confined spaces creates welding gases that have to be removed in order to have a safe, healthy working environment for greater efficiency and productivity.

Paper and Pulp Plants

Toxic gases in digester rooms can be removed with air blowers. Boilers with induced draft fans can be cooled for maintenance of fans with air movers. Fresh air can then be blown to men working on them.

Shipyards

Air blowers are used many times to remove welding fumes from the welder working in a confined area. Blowing fresh air into confined areas is another use.

Marine Industry

Any time you need to exhaust volatile fumes after pumping off cargo, you have to use some type of air moving device. Air blowers are used many times for this application. Navy ships can use air blowers for removal of welding fumes. If there is ever a fire below deck, smoke and fumes created could be exhausted with air blowers.

Steel Industry

Air blowers are used to cool hot iron ladles - faster cooling means less downtime - faster routine cleaning and maintenance. Air blowers are used to cool heavy equipment.

Manhole Operations

Air blowers can be used to move fresh air into a manhole or to pull polluted air out from a manhole. Uses of the air blowers are not limited to a few industries. Wherever you need to disperse fumes, move air into confined spaces, cool men working in elevated temperature conditions, or cool machinery or products with a blast of directed air, then an air blower may find an application.

SAFETY PRECAUTIONS

An electric ground or static ground is attached to the base of all air blowers. Any time you are using this air blower in a volatile atmosphere, attach a ground wire to discharge any static electricity, preventing a build-up of static electricity.

Airblast pneumatic air blowers have no moving parts and are ideal for venting hazardous areas. The bases are made from a high quality aluminium alloy. Aluminium scraped across rusty steel can sometimes cause a smear. A heavy smear of aluminium on steel (being struck with some object) can cause an incendiary spark. Take precautions not to drag the base on steel tanks, etc.

While there are no moving parts to the air blowers, all of the performance ratings in this brochure are based on a unit that had a clean air reservoir and nozzle jets that are of the proper diameter and not plugged up in any way. Care should be taken to prevent clogging of the nozzle jets and a periodic cleaning with a steam cleaner would be appropriate maintenance. Secure the air blower in place prior to turning on the air supply or it will tend to move from its intended position.