



## P/N 9518-XX Series

### INTRODUCTION

Allegro Venturi Blowers have no moving parts and are ideal for venting hazardous areas. Uses of the Venturi Blowers are not limited to a few industries. Wherever you need to disperse fumes, move air into confined spaces, cool off workers in elevated temperature conditions, or cool machinery or products with a blast of directed air, faster cooling means less downtime – faster routine clearing and maintenance. Common industries are Refineries and Chemical (Petroleum Processing), Utilities and Cogeneration Units, Metal Fabrication of Tanks, Towers and Vessels, Paper and Pulp Plants, Shipyards, Marine Industry, Steel Industry, and Manhole Operations.

### OPERATION

Compressed air or saturated steam\* is the power source for this Air Blower. Small volumes of high velocity air (from the compressed air source) run through the casting and out the nozzle jets, creating a venturi action or pulling action that creates large volumes of low velocity air through the venturi and out the air diffuser.

S P E C I F I C A T I O N S							
Part Number	Overall Length	Diameter of Base	Diameter Top of Horn	NPT Size	Bolt Circle Diameter	Basic Slot Diameter	Net Weight
<b>9518-03S</b>	16.75"	7.31"	6.00"	½"	6.56"	0.4	5.5 lb
<b>9518-13S</b> (plastic)	16.75"	7.31"	7.00"	½"	6.56"	0.4	4.4 lb
<b>9518-03</b>	30.50"	7.31"	7.00"	½"	6.56"	0.4	8.5 lb
<b>9518-13</b> (plastic)	31.50"	7.31"	7.37"	½"	6.56"	0.4	6.2 lb
<b>9518-06</b>	44.25"	11.25"	12.50"	1"	10.50"	0.4	22.3 lb
<b>9518-16</b> (plastic)	44.25"	11.25"	12.50"	1"	10.50"	0.4	14.9 lb
<b>9518-08</b>	46.06"	14.37"	14.25"	1"	13.62"	0.5	36.0 lb
<b>9518-18</b> (plastic)	46.00"	14.35"	15.37"	1"	13.62"	0.5	23.3 lb
<b>9518-10</b>	48.00"	17.50"	15.75"	1"	16.25"	0.6	42.0 lb

A I R F L O W									
Part No.	Inlet Pressure								
	60 PSIG			80 PSIG			100 PSIG		
	<i>AIR CONSUMED:</i>			<i>TOTAL AIR FLOW:</i>			<i>FREE AIR INDUCTION:</i>		
<b>9518-03S</b>	30 SCFM	40 SCFM	50 SCFM	865 CFM	1080 CFM	1205 CFM	28.83	27.00	24.10
<b>9518-13S</b> (plastic)	30 SCFM	40 SCFM	50 SCFM	865 CFM	1080 CFM	1205 CFM	28.83	27.00	24.10
<b>9518-03</b>	30 SCFM	40 SCFM	50 SCFM	1135 CFM	1310 CFM	1465 CFM	37.83	32.75	29.30
<b>9518-13</b> (plastic)	30 SCFM	40 SCFM	50 SCFM	1135 CFM	1310 CFM	1465 CFM	37.83	32.75	29.30
<b>9518-06</b>	60 SCFM	80 SCFM	100 SCFM	2560 CFM	3020 CFM	3700 CFM	42.67	37.75	37.00
<b>9518-16</b> (plastic)	60 SCFM	80 SCFM	100 SCFM	2560 CFM	3020 CFM	3700 CFM	42.67	37.75	37.00
<b>9518-08</b>	110 SCFM	140 SCFM	180 SCFM	4215 CFM	4810 CFM	5435 CFM	38.32	34.36	30.19
<b>9518-18</b> (plastic)	110 SCFM	140 SCFM	180 SCFM	4215 CFM	4810 CFM	5435 CFM	38.32	34.36	30.19
<b>9518-10</b>	190 SCFM	250 SCFM	380 SCFM	6180 CFM	7305 CFM	8220 CFM	32.53	29.22	21.63

A 1" to 1½" hose with "crows foot" connection is recommended. The compressor size required can be determined by checking the chart on air consumed at various inlet pressures. Operate this Air Blower on air or steam\* lines limited to 140 psi.

(\*Note: If using steam, check to be sure the hose being used is rated for steam.)

**Note:** While there are no moving parts to the Air Blower, 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.

*Allegro Venturi Blowers have been tested at an independent laboratory. Total airflow or free flow ratings are based on tests to AMCA Standard 210. Under identical testing situations, Allegro Venturi Blowers equaled or exceeded the airflow of competitively manufactured Venturi Blowers.*

**Allegro® Industries**

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## **SAFETY PRECAUTIONS**

- Any time you are using this Blower in a volatile atmosphere, attach a ground wire to discharge any static electricity. (An electric ground or static ground is attached to the base of all air Blowers.)
- Take precautions not to drag the base on steel tanks, etc. The bases are made from a high quality aluminum alloy. Aluminum scraped across rusty steel can sometimes cause a smear. A heavy smear of aluminum on steel, if struck with an object, can cause an incendiary spark.
- Care should be taken to prevent clogging of the nozzle jets and a periodic cleaning with a steam cleaner or pressure washer would be appropriate maintenance. All nozzle jets should be open and operable prior to using the blower.
- Secure the Blower in place prior to turning on the air supply or it will tend to move from its original position.
- Strict precautions may be required involving the use of any blower where any volatile or poisonous fumes are present. *(You are advised to consult current API Publications when using under these conditions. These publications may be obtained from the American Petroleum Institute, 1220 L Street NW, Washington, DC 20005. Telephone (202) 682-8000).*

**Open carton carefully and inspect product for damage caused by carrier. If any damage is found, report and submit claim to carrier.**

**Read and understand all instructions before using this product.**

IS033 Rev D  
07/27/17  
DCN #D0983

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