

Nozzles

Airmasters range of **air nozzles** blow-off is the widest choice in the world!! Ideal where the blow-off requires technical sizing and where high noise level and consumption cause serious problems. Blowing, cleaning and sorting are only some examples of applications where our **air nozzles** are used.

Savings: Our **air nozzles** substitute open pipes of 2 mm to 25 mm allowing dramatic energy savings and a return on investment within a few weeks! Send us details of your current open pipe or in the case of a new application, discuss it with our technicians in order to receive a calculation of viable air savings. **Air nozzles** are available in 316L stainless steel, 304 stainless steel, aluminium and zinc.

Safety: All of our **air nozzles** meet OSHA and SUVA standards which means that on contact with the machine operator's skin, the air blown out of the nozzle must not exceed a pressure of 2.1 Bar, thus eliminating the risk of embolism when air is blown under the skin via an open wound.

Noise: **Airmasters compressed air nozzles** guarantee noise level reductions of over 50% compared to an open tube or a home manufactured device. Call us for a trial! Patented **air nozzles**.

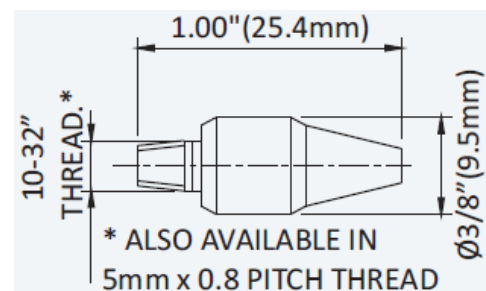
Airmasters Provide Wide Range of Nozzles in different types of material as per

1. Brass Nozzles & Brass Nozzles with Copper tubes
2. Aluminium Nozzles & Stainless-Steel Nozzles
3. Flat Jet Nozzles

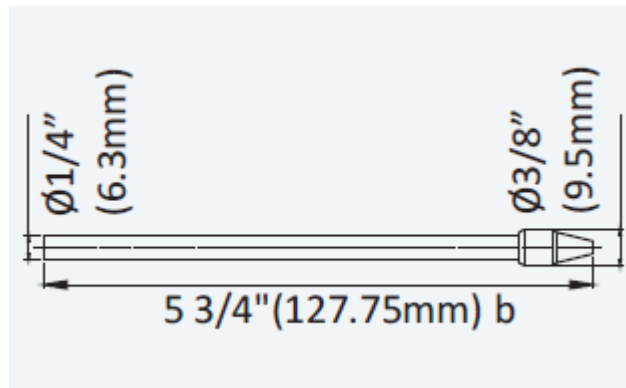
1. BRASS NOZZLES & BRASS NOZZLES WITH COPPER TUBES:

Brass Air Nozzles are designed to fit into small spaces. We have an adjustable nozzle for some applications and then a few different nozzles with varying force, depending on the application.

AIR-M09B is a small brass nozzle to fit into small spots and used by many machine builders for blow-off applications. Sound level 74 dBA at 3ft (0.91mm) at 80 psig (5.6 bar).




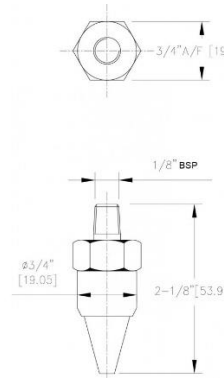


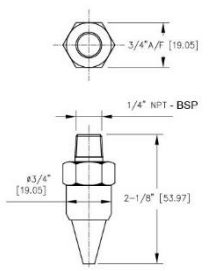




AIR-M10B is the small model 47001 brass nozzle added to a copper tube. Machine builders can bend the copper tube and aim the nozzles to where ever it suits. The copper tube is simply press fit into the customer's system. Sound level 74 dBA at 3ft (0.91mm) at 80 psig (5.6 bar).



Model	Description	Air consumption @80psi	Force in Ounces	Force in Grams
AIR-M09B	Brass Mini-Nozzle with 10/32 fitting or metric equivalent	6	5	142
AIR-M10B	Brass Mini-Nozzle with copper tube - male	6	5	142

2. ALUMINIUM AND STAINLESS-STEEL NOZZLES

Aluminium and SS nozzles comes in different size and shapes. These nozzles ensure noise reduction and good blow off force at a good distance. Different types of Airmasters Air Nozzles are as follows:

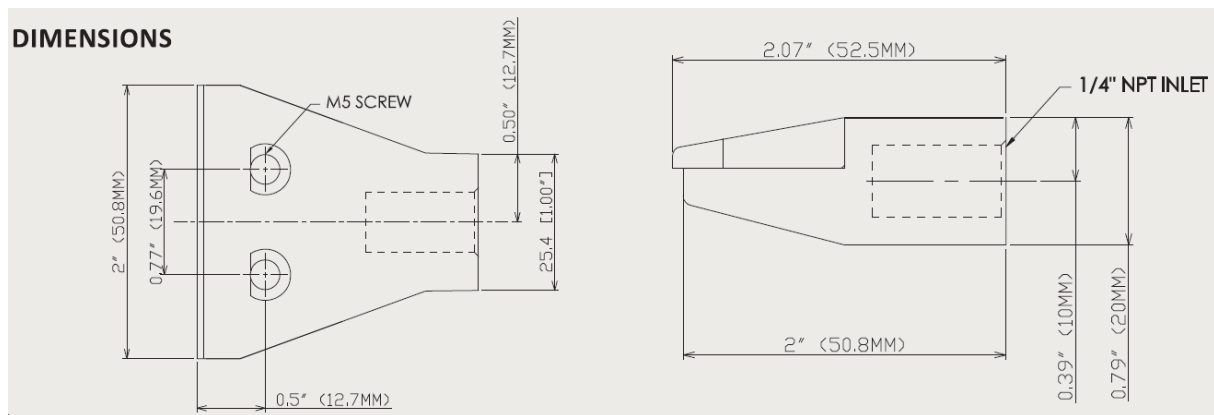
Model No.	Material	Connection type	Blowing Force in N	Air Consumption SCFM	Image	Technical Drawing
AIR-M103	Aluminium	1/8" Male NPT	3.4	9.33		
AIR-M103 S	SS304	1/8" Male NPT	3.4	9.33		
AIR-M103 S-316L	SS316L	1/8" Male NPT	3.4	9.33		
AIR-M104	Aluminium	1/4" Male NPT	4.5	10.58		
AIR-M104 S	SS304	1/4" Male NPT	4.5	10.58		
AIR-M104 S-316L	SS316L	1/4" Male NPT	4.5	10.58		
AIR-M104 F	Aluminium	1/4" Female NPT/BSP	3.8	9.33		
AIR-M104 FS	SS304	1/4" Female NPT/BSP	3.8	9.33		
AIR-M109	Aluminium	1/8" Male NPT (Adjustable)	3.4	9.33		

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3. FLAT JET NOZZLES

AIR-M200-4-316L is an extremely efficient flat jet air nozzle designed to provide powerful stream of high velocity laminar flow and high force for blow off and cooling where air knives may not be enough. Airmaster Flat Jet is available in various size "Gaps" all set by a flat shim. Three standard shim sizes are available – 0.004" (0.10mm), 0.008" (0.2mm) and 0.020" (0.5mm). To achieve larger gaps like 0.024" (0.6mm) and 0.028" (0.7mm) two or more shims may be stacked together. The greater the gap size in the flat jet, the more powerful the force will be.

Airmasters Flat Jets outperformed special designed holes and pipes when they were tested. Air Consumption and noise level are minimised with its special design and configuration.



Models

Model	Gap Setting	SCFM at 80 PSIG	Force in Ounces (Grams)	Image
AIR-M200-4-316L	0.004"	20.5 (581)	12 (340)	
AIR-M200-8-316L	0.008"	31.3 (887)	21 (595)	
AIR-M200-12-316L	0.012"	38.5 (1091)	27 (765)	
AIR-M200-16-316L	0.016"	41.0 (1161)	30 (850)	
AIR-M200-20-316L	0.020"	44.5 (1261)	33 (936)	
AIR-M200-24-316L	0.024"	47.0 (1331)	36 (1020)	
AIR-M200-28-316L	0.028"	51.0 (1445)	39 (1106)	
AIR-M147A		10.5	12.23	 
AIR-M147S-316L		10.5	12.23	