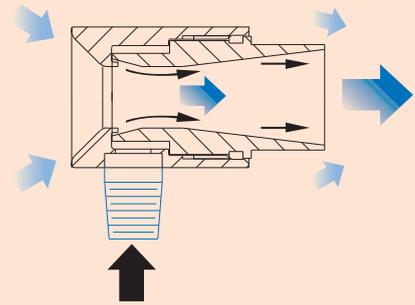


How Air Jets Work

Air Jets utilize the Coanda effect (wall attachment of a high velocity fluid) to produce air motion in their surroundings. As illustrated on the right, a small amount of compressed air (black arrows) is throttled through an internal ring nozzle above sonic velocity. A vacuum is produced, pulling large volumes of surrounding, or "free" air, through the jet (blue arrows). **Both the outlet and inlet can be ducted for remote positioning. If the end is blocked, flow simply reverses at well below OSHA dead end pressure requirements.**



High Velocity Air Jets



Model 6013 1/8 NPT male
Material: Brass
Max Temp: 275°F (135°C)



Model 6013SS 1/8 NPT male
Material: Type 303 Stainless Steel
Max Temp: 400°F (204°C)



Material: Type 303 Stainless Steel

Model 6013 and 6013SS High Velocity Air Jets

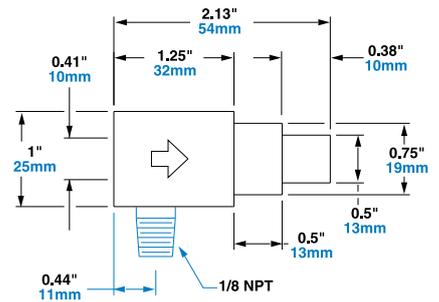
Provides maximum thrust with a confined, directed airstream. It is the best choice for part ejection, chip removal, and part drying.

Shim Sets: Shims can be used to change the gap on the Model 6013 and 6013SS High Velocity Air Jets. Changing shims will alter air consumption, force, flow and vacuum capability. Order Model 6313 Air Jet Shim Set.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ozs	Grams	dBa
22	622	20	567	82

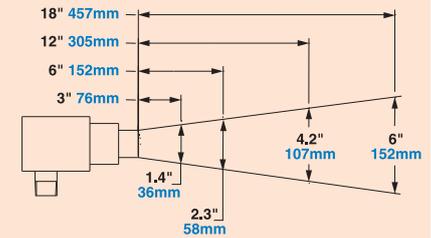
*Force measured at 12" (305mm) from target with a .015" (0.38mm) shim installed
 Sound level measured at 3' (914mm)
 All measurements taken at 80 PSIG (5.5 BAR)

The Model 6313 Air Jet Shim Set for the High Velocity Air Jet includes a .006" (0.15mm) and a .009" (0.23mm) thick shim. A .015" (0.38mm) shim comes installed with the Model 6013 and 6013SS Air Jet.



Airflow Pattern

DOWNLOAD drawings at EXAIR.com



Adjustable Air Jets



Model 6019 1/8 NPT male
Material: Brass
Max Temp: 275°F (135°C)



Model 6019SS 1/8 NPT male
Material: Type 303 Stainless Steel
Max Temp: 400°F (204°C)

Model 6019 and 6019SS Adjustable Air Jets

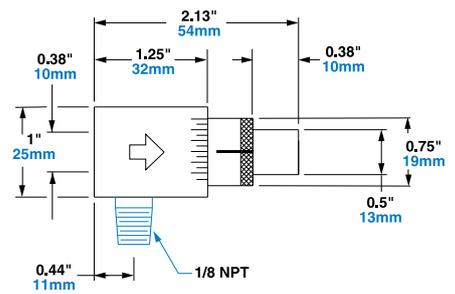
This is an adjustable version of the Model 6013 High Velocity Air Jet. Airflow and thrust are easily adjusted using the micrometer gap indicator.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ozs	Grams	dBa
18	509	16	454	83

*Force measured at 12" (305mm) from target with a .006" (0.15mm) setting
 Sound level measured at 3' (914mm)
 All measurements taken at 80 PSIG (5.5 BAR)



A combination of Model 6013 High Velocity Air Jets and Model 6042 Adjustable Air Amplifiers dry this engine casting.



Airflow Pattern

DOWNLOAD drawings at EXAIR.com

