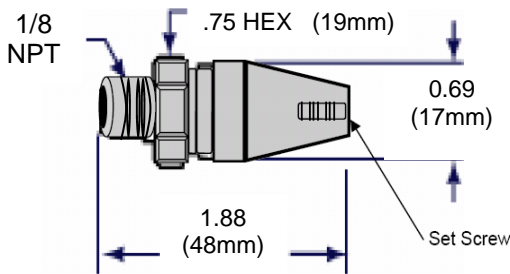




Air Nozzle and High Thrust Jet Installation and Maintenance

Compressed Air Supply Line Sizes:

To obtain maximum performance from the Arizona Vortex products, measurements of pressure (psig) and volume (scfm) of air must be obtained. Pressure drops in the compressed air lines should be held at a minimum. A 5-micron air filter part # 90000 will separate 99% of the foreign matter from the air supply, allowing virtually maintenance free operation. Clean air lines between the nozzles and jets before placing them online. Nozzles and Jets will operate at any air pressure. At lower pressures there will be less noise and less compressed air used.

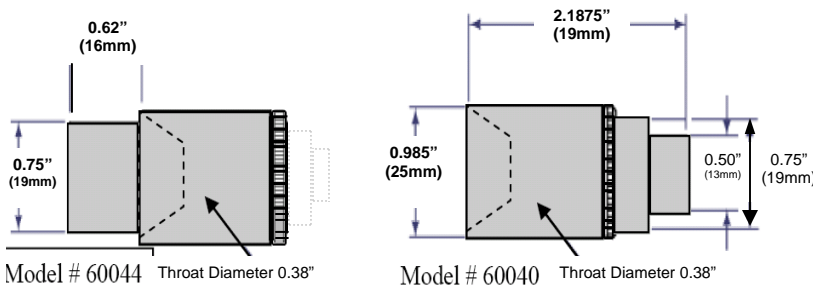


| Distance From Target * | 20 psig | 30 psig | 40 psig | 50 psig | 60 psig | 70 psig | 80 psig | 90 psig | 100 psig |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 6" | 3.5 | 6 | 7.7 | 9.9 | 12.2 | 14.3 | 16.5 | 18.1 | 20.6 |
| 12" | 3.4 | 5.4 | 7.6 | 9.6 | 11.5 | 13.8 | 15.9 | 17.8 | 20.1 |
| 18" | 3.2 | 4.6 | 6.9 | 8.3 | 10 | 11.9 | 13.3 | 15.2 | 16.8 |

* Blow off Force in Ounces of Thrust

Air Nozzles:

The Air Nozzle can easily be installed using a wrench or deep well socket. To adjust the force, simply unscrew the set screw, rotate the barrel of the nozzle counter clockwise and tighten the set screw to hold the position. Nozzles are factory set at 20 SCFM at 80 psig.



| Distance From Target * | 20 psig | 30 psig | 40 psig | 50 psig | 60 psig | 70 psig | 80 psig | 90 psig | 100 psig |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 6" | 3 | 5 | 7.5 | 9.5 | 11.8 | 14.5 | 16.5 | 20 | 22.2 |
| 12" | 2.9 | 4.9 | 6.9 | 8.8 | 11.5 | 13.4 | 16.2 | 18.9 | 21.4 |
| 18" | 2.3 | 3.9 | 5.6 | 7.1 | 9.3 | 11.1 | 13.7 | 15.7 | 17.4 |

* Blow off Force in Ounces of Thrust

High Thrust Jets:

If the factory setting does not provide enough force, the force can be adjusted. The High Thrust Jets are made up of 3 parts: an outer sleeve, inner sleeve and a lock ring. Loosen the lock ring and rotate the barrel to the desired force. Tighten the lock ring at the desired position. The more counter clockwise turns the larger the gap, more force, velocity and air consumption. Use the smallest gap possible to conserve air. The High Thrust Jets outlet and inlet can be ducted for remote positioning. High Thrust Jets are factory set at 20 SCFM at 80 psig.



Safe Operating Checklist

| |
|--|
| Inspect all compressed air lines and fittings. |
| Inspect the Air Nozzle and High Thrust Jet; making sure there is nothing attached that may become a flying projectile. |
| Wear Safety Glasses with side shield when working near the blowoff operation. |
| Consider the direction of blowoff making sure that debris will fly in a safe direction. |
| Depressurize a compressed air line before and after attaching and detaching the Air Nozzle or High Thrust Jet. |
| Do not use compressed air to clean clothing or dislodge parts. Serious or fatal injuries can occur. |
| Do not engage in horseplay or point the Air Nozzle or High Thrust Jet at someone. |