

Commonly Asked Questions Regarding Air Jet Selection & Use



Pneumadyne's Air Jets, commonly referred to as [Air Nozzles](#), are used in pneumatic control systems to deliver a narrow, directable stream of air or lubricant to a specific location within a machine. Typically used in cooling, lubricant, blow off and moving applications, the modular design of our Air Jet system is just one of the features that make it adaptable to an unlimited number of control systems. Below, we answer the most common questions regarding Air Jet selection and use that are asked of our Customer Service Representatives.

How do I assemble my Air Jet?

The typical air jet assembly consists of a nozzle, a base and a retaining nut. The unique design of our air nozzle features a ball which is placed in the seat-end of the base (opposite the 10-32 F thread). Slide the retaining nut over the nozzle and lightly thread it onto the base. Rotate the nozzle so that the air or lubricant will be directed in the required location and hand-tighten the retaining nut to secure it in place.

Is the Air Jet Holder required for my application?

The air jet holder is not required to complete the assembly, however, it does make mounting the nozzle in your application easier. Simply insert the air jet base through the slotted key hole and tighten the retaining screw to hold it in place. For added versatility, the holder features four mounting holes as well as a 10-32 (F) thread for securing the assembly to a machine member.

How do I attach my air source to the Air Jet assembly?

The air jet base features a 10-32 (F) thread opposite the seat for the connection of the air source. Simply thread a barb or [push-to-connect fitting](#) into the base and connect your [tubing](#). Our NV-32 needle valve can also be threaded into the air jet base to provide air flow control at that location.

Which orifice size do I need?

The nozzle orifice is dependent upon the flow required at the blow off location. Our 1/16 orifice nozzle provides a flow rate of 6.5 scfm at 125 psi and the 1/32 orifice provides a 1.5 scfm at 125 psi.

Do I have to use a Needle Valve with my Air Jet?

The [needle valve](#) is not a necessity, however, it allows you to set the precise amount of air flow needed thus saving air & money. Simply install it in the air jet base and use the screwdriver slot to adjust your flow.

Do we need to use a Manifold?

The [brass manifold](#) is not required although it allows you to easily control up to six remote air jets from one location. Thread the needle valve into the manifold's output port and connect it to the air jet base via [barb fittings](#) & tubing. Unused ports can be plugged using our SPG-10 fitting.