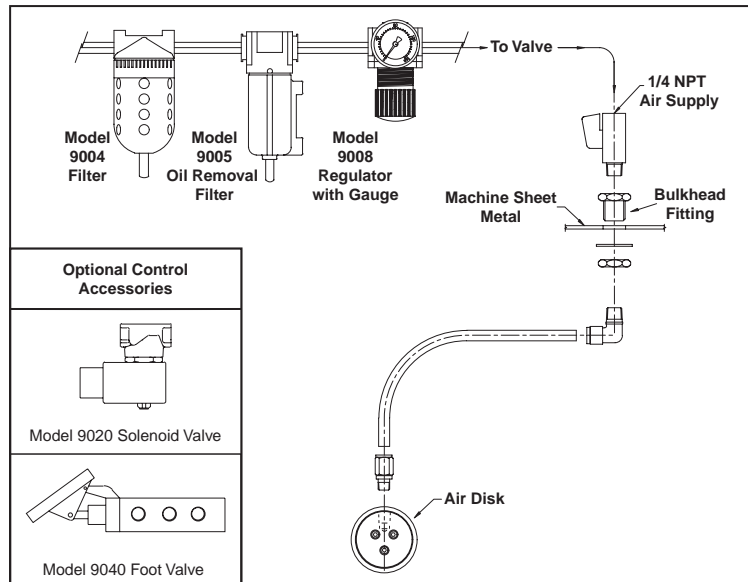


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## AIR DISK™ WINDOW BLOWOFF INSTALLATION & MAINTENANCE



### COMPRESSED AIR LINE SIZES

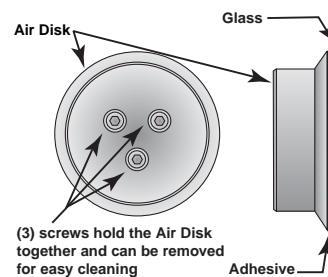
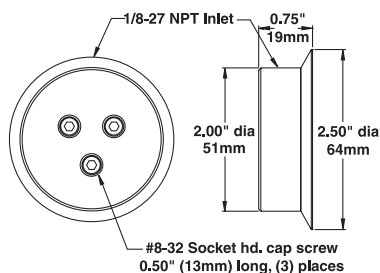
The Air Disk Window Blowoff requires 3/8" hose for runs up to 25' (7.6m) long. For runs up to 50' (15.2m), use 1/2" hose. Do not use restrictive fittings or undersized lines that can "starve" the Air Disk by causing excessive line pressure drop.

### COMPRESSED AIR SUPPLY

With proper filtration and separation of dirt, moisture and oil from the compressed air supply, the Air Disk Window Blowoff will operate for years with no maintenance required. Use a 10 micron or smaller filter separator on the compressed air supply (Model 9004 Automatic Drain Filter Separator).

To prevent problems associated with oil, use an oil removal filter (Model 9005 Oil Removal Filter). The oil removal filter should be used downstream from the automatic drain filter separator. Filters should be used close to the Air Disk, within 10 to 15' (3 to 4.6m) is best.

The Air Disk Window Blowoff is designed to use normal shop air supplies up to 100 PSIG (6.9 BAR). For infinite control of flow and force, pressure may be regulated (Model 9008 Pressure Regulator).



*Review the dimensions of the Air Disk to determine if there is proper clearance between the sliding door and the frame of your machine.*

*Strong peel and stick adhesive bonds the unit to the glass*

### MOUNTING THE AIR DISK

It is extremely important that the mounting surface of the glass be cleaned of any contaminants, coolants or oil film. An industrial glass cleaner should be used (not included). Once the surface of the glass is clean, use an alcohol pad (provided) to remove any residue from the surface of the glass where the Air Disk will be mounted. For best results, mount the Air Disk in the center of the window.

**MOUNTING THE AIR DISK (CON'T)**

A straight press lock fitting for the tubing is provided. Install the straight fitting in the inlet of the Air Disk.

The large diameter of the Air Disk attaches to the glass of the machine. With the air inlet at the top, peel off the paper to expose the adhesive and press the Air Disk firmly against the window glass. This strong adhesive forms a quick bond that can withstand the splashing coolant.

For operation of the Air Disk, it is necessary to get compressed air to the disk through the moving door. A bulkhead fitting is provided that permits the compressed air supply hose to be attached to the door. Since the valve for turning the Air Disk on and off is located at the bulkhead fitting, you will want to mount it in a convenient location. To keep the compressed hose out of the way, mounting on top often works best. Before drilling through the machine door, it is important to locate any safety interlocks or wires so you do not drill through them. Use a 25/32 " bit to drill a hole through the door. Place the bulkhead fitting through the door and tighten it firmly in place from the inside of the door with the washer and retaining nut. Next, thread the 90-degree elbow into the bulkhead fitting (on the inside of the door) and tighten. The Air Disk Kit includes polyflow tubing that is easy to cut to length using side cut pliers or a knife. Use a length of the tubing to connect the Air Disk to the 90° elbow. Next, thread the manual valve into the bulkhead fitting on the outside of the door. Connect your supply air hose to the manual valve.

The Air Disk is now ready for operation.

As coolant hits the window of the machine, the operator can adjust the shutoff valve to control the air velocity, increasing it when there is a high volume of coolant on the window. An optional solenoid valve can be wired into the machine control to limit the operation to only those times when coolant is being used, or actuated by using a special code in the program. A Model 9040 Foot Pedal is available if hands-free operation is desired.

**AIR DISK SPECIFICATIONS**

Pressure Supply		Air Consumption		
PSIG	BAR	SCFM	SLPM	INLET
80	5.5	17	481	1/8 NPT

**INSTALLING OTHER SHIMS**

The Air Disk is supplied with a .0015" (.04mm) thick shim. In the event that the coolant flow is extremely heavy, the air flow through the disk can be increased by changing the shim installed in the Air Disk. To do this, remove the three screws holding the Air Disk together. Carefully center the thicker shim and reinstall the screws. This will increase the air gap opening as well as the flow, force and air consumption.

**TROUBLESHOOTING & MAINTENANCE**

If there is a reduction in flow or force from the Air Disk, check the air pressure by installing a gauge at the manual valve inlet of the Air Disk. Large pressure drops are possible due to undersized lines, restrictive fittings, and clogged filter elements. **For replacement or repair filter and regulator parts, contact EXAIR at 1-800-903-9247 or [techhelp@exair.com](mailto:techhelp@exair.com). Call (513) 671-3322 for outside the US and Canada.**

**CLEANING**

With the air supply off, disconnect the polyflow tubing from the Air Disk. If contaminants have clogged the Air Disk, inspect the unit by disassembling. After removing the three screws, inspect all internal surfaces for dirt contamination, a possible oil film, or buildup of coolant. Clean each part and reassemble.

**Warning: Compressed air must be turned off before opening the door on the CNC to prevent airborne coolant from contacting the machine operator.**

If routine cleaning does not solve your performance problems, please contact

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