

## Fog Buster Installation

**Product Identification:** Fog Buster Spray Coolant Kit

**Purpose:** This document details installation of the Fog Buster kit on the PCNC 1100, PCNC 770, and PCNC 440.

**Qty. Fog Buster Spray Coolant Kit (PN 32682)**

1	Solenoid Valve (PN 32644)
1	Solenoid Valve Fitting
1	Mounting Bracket
1	Fluid Reservoir w/ Pressure Gauge
12"	Blue Tubing
1	Quick Mount System
1	Fog Buster Sprayer Head
4	Mounting Bracket Bolts
2	Phillips Head Screws



**NOTE:** If any of these items are missing, contact Tormach Customer Service at (608) 849-8381 for a replacement.

1. Wrap Valve Fitting with thread seal tape (PTFE tape) and secure in Solenoid (see **Figure 1**). Ensure fitting is installed in airflow direction shown in **Figure 3**; do not over tighten.
2. Secure Solenoid Valve to underside of Mounting Bracket using two Phillips Head Screws (see **Figure 2**).

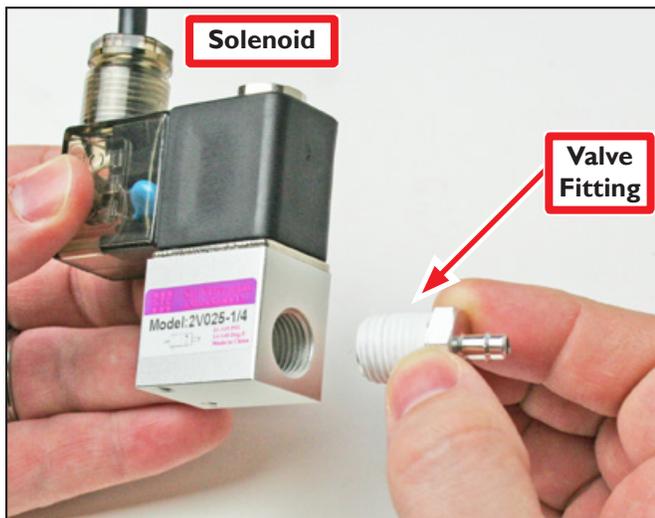


Figure 1

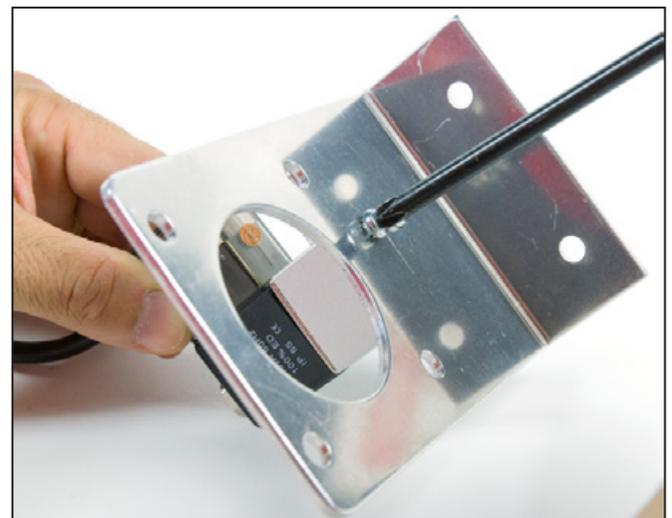


Figure 2

## Fog Buster Connections

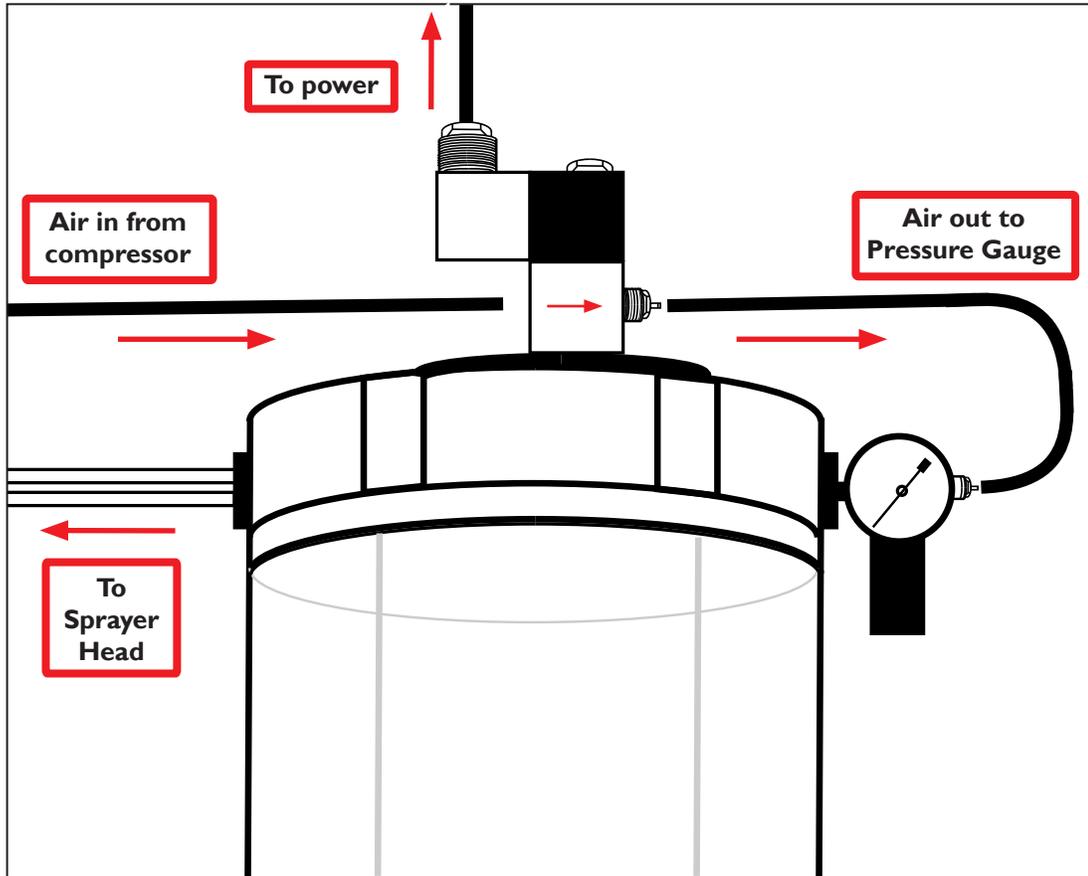


Figure 3

3. Mount Fluid Reservoir to Mounting Bracket using four Mounting Bracket Bolts (see **Figure 4**).

**NOTE:** Add a few drops of lubricating oil in each bolt hole to help with threading.

**NOTE:** If desired, Solenoid can be rotated by loosening Nut on top of Solenoid (see **Figure 4**).



Figure 4

4. Firmly press 12" Blue Tubing onto barbed hose fittings on Pressure Gauge and Solenoid Valve (see **Figure 5**).

**NOTE:** Once Blue Tubing is connected, it cannot be removed without cutting it off. If replacement is required use ¼" outer diameter tubing.



**Figure 5**

5. Mount Fluid Reservoir on side of mill's back splash (see **Figure 6**).

**NOTE:** If mill does not have a back splash, mount it to back panel or other convenient location.

**NOTE:** For best results, mount Fluid Reservoir at approximately same height as Sprayer Head.



**Figure 6**

6. To fill Reservoir Tank, unscrew it from blue Fluid Reservoir and add coolant to just below rubber seal (see **Figure 7**); do not overfill.
7. Attach Quick Mount System's 2" Magnet to head casting (see **Figure 8**).
8. Mount Sprayer Head to Quick Mount System, locking it to small diameter rod using a hex head wrench (see **Figure 9**). Position Sprayer Head's nozzle tip toward cutting tool.
9. Open knurled Needle Valve to adjust coolant flow to cutting tool (see **Figure 9**).

**NOTE:** Do not over tighten Needle Valve.



Figure 7

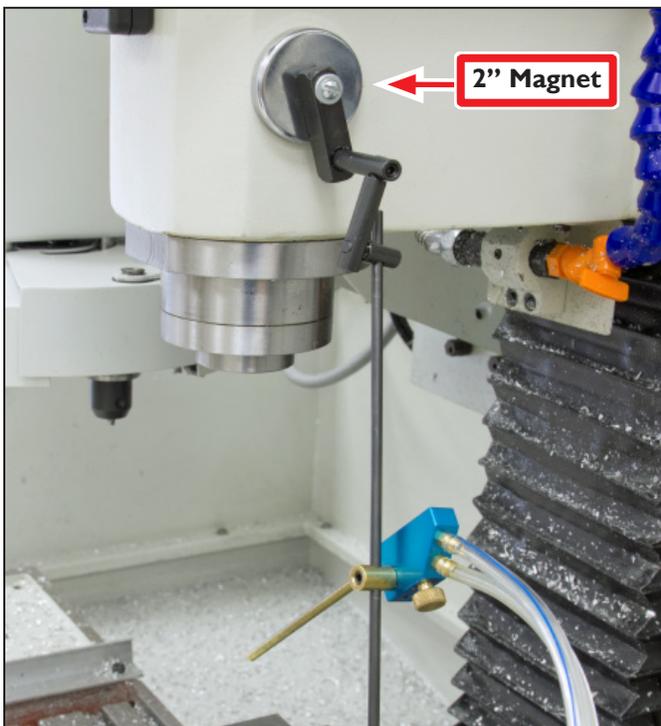


Figure 8

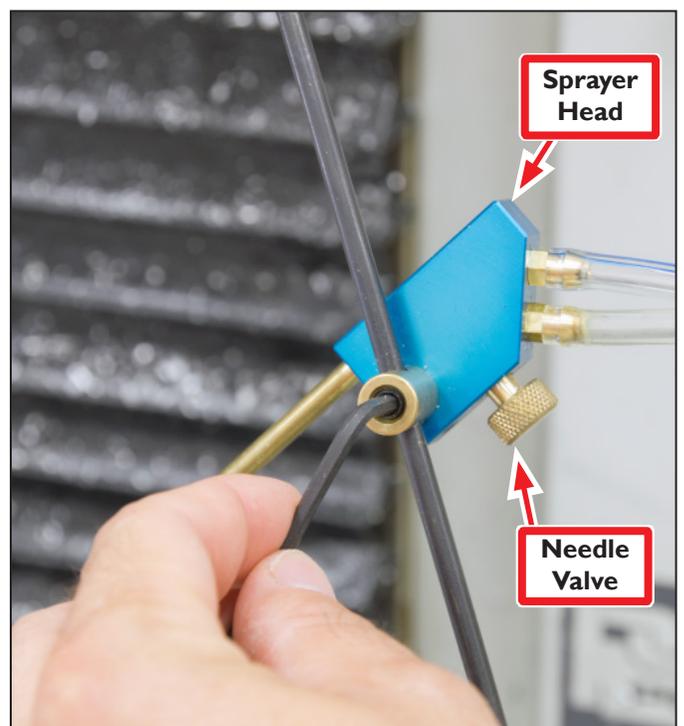


Figure 9

## Power Connections

**PCNC 1100:** Plug into outlet marked *Coolant* on power connection panel located under electrical cabinet (see **Figure 10**).

**PCNC 770:** Plug into outlet marked *Coolant* on power connection panel located under electrical cabinet (see **Figure 11**).

**PCNC 440:** Plug into Cord End located under electrical cabinet (see **Figure 12**).

## Air Connections

Air is supplied to the Solenoid (1/4" NPT port) via an Air Compressor (PN 31945) and Pneumatic Hose Kit (PN 31991).

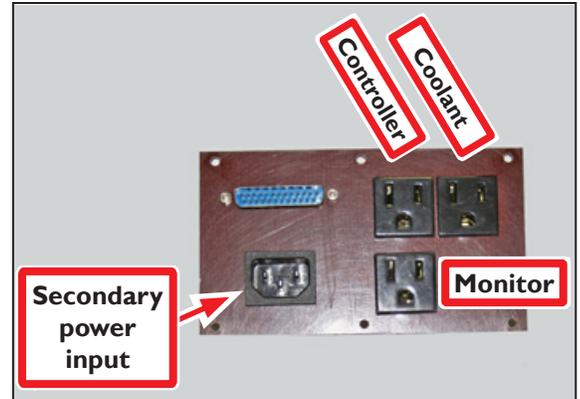
**NOTE:** The Fog Buster is designed to run at high volume/low pressure using 10-15 PSI, consuming approximately 0.65 CFM.

## Coolant Control

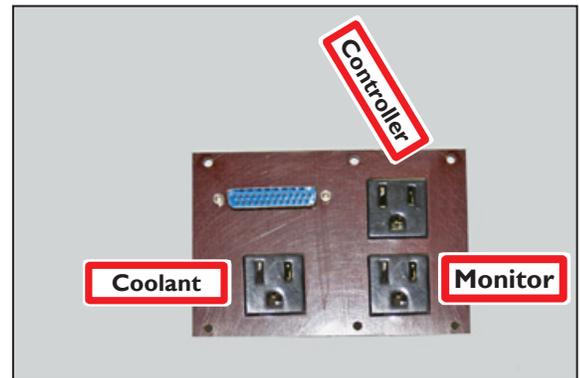
**PCNC 1100, PCNC 770:** The Fog Buster is activated via either the Operator Panel coolant switch or the PathPilot interface's *Coolant* button.

**PCNC 440:** The Fog Buster is activated by clicking the PathPilot interface's *Coolant* button.

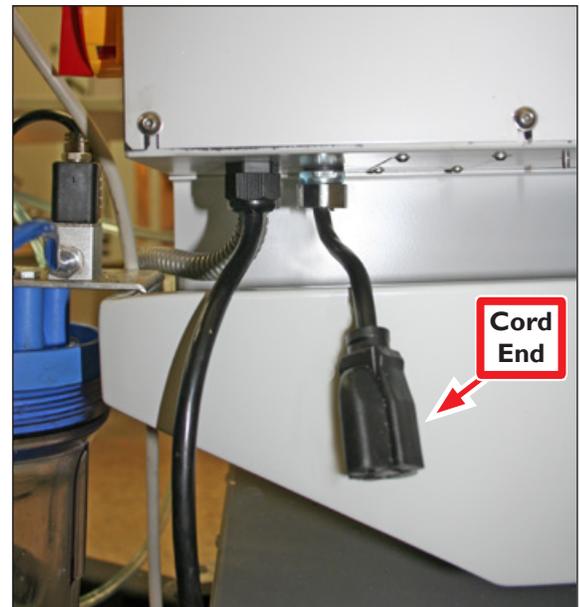
For more information, refer to the operator manual.



**Figure 10**



**Figure 11**



**Figure 12**