

N₂ Air Controller

P/N: 6053N2

Information Sheet

The N₂ Air Controller was specifically designed to easily convert the Urethane Supply Company 6053 Hot Air Welder into a nitrogen welding system. However, the N₂ is ideally suited to convert ANY hot air welder that uses an external compressed air supply, into a nitrogen welder. The N₂ Air Controller will allow you to conveniently switch from air to nitrogen with the push or pull of a knob.

Nitrogen plastic welding is the strongest and most reliable way to weld plastics because it shields the weld area with inert nitrogen gas. The shielding effect prevents oxygen in the air from oxidizing the melted plastic during the welding process, creating a stronger bond. In addition, you will find welding plastic to be easier, it will produce less smoke, and the weld will be cleaner looking, too.

Made in the USA



Benefits:

- Produce stronger welds with nitrogen.
- Clean operation - produces less smoke when welding
- Converts any compressed air, hot air welding system to a nitrogen welder.
- Heavy-duty surface mountable control box holds up to abuse.
- Simple to operate.
- Simple to install.

Application:

- Connect a 60 to 100 psi air and nitrogen to the control box, then connect it to your hot air welder's air input connection.
- Adjust the air and nitrogen regulators so they read the same pressure.
- Make sure the control knob is set to "air" and begin preheating your welder. When the welder reaches the desired operating temperature, adjust the airflow at the welder to a desired setting, switch to nitrogen, wait a few seconds for the Nitrogen to purge the air out, then begin welding.
- *Switch back to air as soon as the weld is complete.* Doing so will conserve your nitrogen supply and will prevent inadvertent loss of air flow to the heating element, should your nitrogen supply become exhausted.



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