

Nitro Pro

6065, 6065 230V

Nitrogen Generator

Urethane Supply Company's 6065 Nitro Pro Nitrogen Generator is designed to replace costly and inconvenient compressed nitrogen bottles used in nitrogen plastic welding systems. The Nitro Pro continually separates nitrogen molecules from compressed air, producing 98 to 99% pure compressed nitrogen to be used by the plastic welder. By making your own nitrogen, you eliminate the headache of running out of nitrogen in the middle of a job and the danger and hassle of having to replace heavy compressed gas cylinders.

The Nitro Pro can easily supply any Urethane Supply Company hot air plastic welder with enough nitrogen for continuous operation. It can also supply two welders if used only during the actual welding process.

Features:

- Fits into the same space as a nitrogen bottle on a welding cart.
- Digital hour meter.
- Nitrogen pressure gauge.
- Simple one button operation.
- Equipped with an air inlet filter, regulator, and gauge.
- Carry straps to make lifting onto a cart easy.
- 1 year full warranty
- 5 year carbon molecular sieve tower warranty
- 6065 230V is CE approved & comes with a European Shuko plug.

Benefits:

- Generate nitrogen on demand and never run out of nitrogen again!
- Eliminates the hassle of moving & connecting nitrogen bottles.
- Make stronger repairs than with compressed air alone.
- Use nitrogen to air tires, purge fuel tanks, etc.



Technical Information

Nitrogen Flow:	30 L/Min (1.1 cfm) @ 55 psi
Unit Weight:	61 Kg (135 lbs)
Unit Dimensions:	24 cm L x 34 cm W x 120 cm H (9.5" L x 13.4" W x 48" H)
Base Dimensions:	24 cm x 24 cm (9.5" x 9.5")
Air Requirement:	6.9 - 10.3 bar (100 - 150 psi) Air must be clean and dry.
Electrical:	2.8 A, 115-120VAC (p/n: 6065) 1.4 A, 230VAC, 50Hz (p/n: 6065 230V)
Shipping weight:	66.2 Kg (146 lbs)
Shipping dims:	32 cm L x 51 cm W x 140 cm H (13" L x 20" W x 55" H)



Customer Support:
PH: 256-638-4103
Fax: 256-638-8490
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Additional Information:

WHY OWN A NITROGEN GENERATOR?

Welding plastic with nitrogen creates a stronger weld because it prevents oxidation or burning of the melted plastic during the welding process. Nitrogen acts as a shielding gas, preventing oxygen from contaminating the hot plastic. An added benefit of using nitrogen is that the air in the room where the welding is taking place will be cleaner and safer to breathe because nitrogen shielded plastic welding does not smoke like unshielded plastic would.

By owning the machine needed to generate your own nitrogen, you do not rely on suppliers to bring nitrogen to your shop in expensive, heavy, bulky compressed gas cylinders. Plus, you never have to worry about running out of nitrogen!

Not only will using nitrogen allow you to make, stronger, cleaner welds in plastic, but it can also be used for other things in the shop like airing tires or running airbrushes. It can be used for any application needing up to 1.1 cfm of 98 - 99% pure nitrogen.

SET UP AND USE:

Tightly secure the Nitro Pro Nitrogen Generator to the welding cart with the attached mounting strap by wrapping the strap around the tank support column. Connect a clean and dry compressed air supply to the inlet regulator on the left side (while facing the control panel) of the unit. Using a compressed air line, connect the outlet valve of the Nitro Pro to the nitrogen inlet on your Nitrogen control switch, or to the air or nitrogen inlet on the back of the welder. Be sure to use pipe tape on all threaded connections. Plug the unit into a 115-120V outlet. Turn the inlet air on using the air inlet regulator. Set the air pressure high, but do not exceed 150 psi.

Turn on the Nitro Pro generator whenever a supply of nitrogen is needed. The unit will cycle as demand requires up to the maximum outflow of the unit. Shut power off when not in use.

MAINTENANCE:

Clean Inlet air filter every 300 hours of use.

TIPS FOR WELDING WITH NITROGEN:

When welding with the hot air/nitrogen equipment, the flow rate of nitrogen will vary depending on the thickness of the plastic being welded and the type of rod being used. Higher flow rates are used for thicker plastics in the same way more gas or higher amps are used while welding metal. This table shows the range of flow rates normally used in nitrogen welding.

Care must be taken at the lower flow rates to not to over-heat the element, which will greatly shorten the element life. It should be noted that if the steel barrel containing the element ever glows red, the airflow must be immediately increased and/or the temperature sharply reduced. Using excessively high heat settings will not speed the welding process. When welding polypropylene plastics, the temperature of the nitrogen exiting the welding tip is approximately 1000 to 1100°F.

Welder Use	Flow Rate, L/min (cfm)
Welding thin plastics	8 – 10 L/min (0.29 – 0.35 cfm)
Welding medium to thick plastics	10 – 15 L/min (0.35 – 0.53 cfm)
Flow to keep element cool during idle	20 L/min (0.70 cfm)

For additional information or technical assistance, please call (800) 633-3047 or (256) 638-4103.



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