



Product Booklet

Keen KT-50-36 Portable TIG Wire Oven

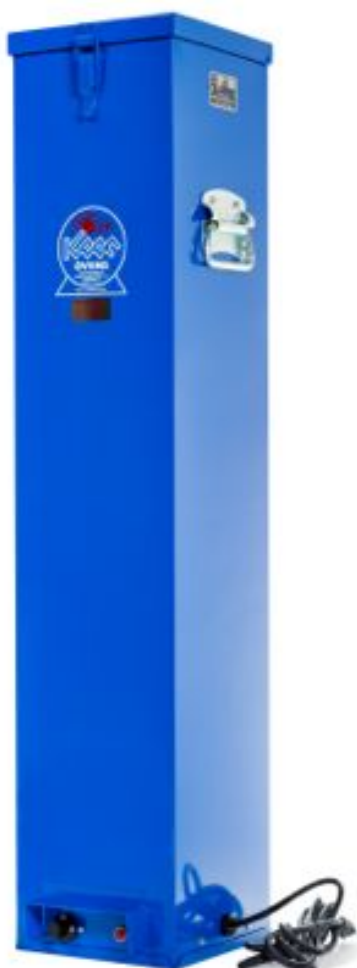


Purpose: To prevent oxidation of TIG welding wire

Capacity: 50 lbs of TIG wire up to 36" in length

Temperature Range: Ambient – 250F

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Product Overview

Keen KT-50-36 Portable TIG Rod Storage Oven

About the KT-50 Portable TIG Rod Storage Oven – 50 lbs. Capacity

The KT-50-36 is designed to store 50 lbs. of TIG welding rods during transfer from large shop ovens and at the job location. Economical, lightweight and easy to carry, our KT-50-36 model maintains TIG rods at ideal temperatures to prevent the formation of hydrated oxide on the wire surface which can lead to a variety of weld defects.

The KT-50-36 is suitable for the hobby welder as well as the highly trained professional. The KT-50-36 TIG wire oven is a one-of-a-kind product not offered by competing brands, and is a testament to Keen's devotion to innovation and to the welding industry. It stands 38 inches tall, yet is very stable, energy-efficient and easy-to-use.

Heavy-Duty Construction

The KT-50-36 has a solid steel construction for long product life and durability. The exterior is powder-coated in KEEN blue and features a rugged handle for carrying the unit. 1" (2.54 cm) Thermal insulating wool makes the oven energy-efficient and keeps electrodes hot and moisture-free.

The KT-50-36 design features a square exterior to provide stability while standing in an upright position. The lid can be secured in transit with a standard draw pull catch that prevents the lid from opening when not in use. The lid is riveted to the unit for added durability. A red "ON" indicating light is standard on the oven so a user or welding inspector can see the unit is powered on from a distance. The KT-50-36 comes standard with an external, dial-adjustable capillary thermostat that features a guard for damage protection.

Performance Heating

The custom-designed heating elements used on the KT-50-36 are part of a new class of highly energy-efficient, technologically-advanced heating elements that have a very low environmental impact. Unlike elements that utilize common resistance wire, our elements are self-limiting semiconductors that have a dynamic power output, so there is no steady state current or steady state power. They reach maximum operating temperature in just 5-10 seconds and not long after a state of equilibrium is attained. The resistance will decrease on its own if ambient temperature decreases to allow more current to flow to the element to maintain maximum heating temperature with the lowest energy output. This results in a very low amperage draw enabling the oven to be extremely energy-efficient in the field.

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Specifications for Keen KT-50-36 TIG Wire Oven



Part Number	010203 (Dual Voltage 120V/240V)
Oven Category	Portable – TIG Filler Wire
Electrode Capacity (LBS)	50 lbs. 36" TIG Wire
Electrode Capacity (KGS)	22.68 kgs 92cm TIG Wire
Standard Voltages	Dual Voltage 120V/240V AC ONLY
Wattage	300W
Temperature Range (°F)	150°F-300°F - Preset 275°F
Temperature Range (°C)	38°C-149°C – Preset 135°C
Thermostat	Factory Preset – Field Adjustable
Insulation	1" Thermal Wool
Interior Dimensions (IN)	6" L x 6" W x 36.63" Deep
Interior Dimensions (CM)	15.24cm L x 15.24cm W x 93cm Deep
Exterior Dimensions (IN)	8" L x 8" W x 39.5" H
Exterior Dimensions (CM)	20.32cm L x 20.32cm W x 100.33cm H
External Thermometer	Unavailable
Net Weight (LBS)	28 lbs.
Net Weight (KGS)	12.70. kgs.
Shipping Dimensions (IN)	13" L x 13" W x 46" H
Shipping Dimensions (CM)	33.02cm W x 33.02cm L x 116.84cm H
Shipping Weight (LBS)	41 lbs.
Shipping Weight (KGS)	18.60 kgs.
Power Cord Length	8 ft.
"ON" Indicating Light	Yes
CSA Approval	Yes
UL Approval	No
Accessories	Npne
Replacement Parts	Call for Pricing
Similar Keen Ovens	K-5, K-10, K-15R, KT-15W/T, K-15

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KEEN Filler Wire Storage Ovens (TIG, GTAW)

Made in the USA and ruggedly constructed, Keen TIG wire storage ovens are available in a wide variety of capacities to suit the most rigorous welding operations. We offer the widest storage capacity range in the industry and can customize any unit upon request. We also have the unmatched ability to design one-of-a-kind spooled TIG wire storage ovens for unique storage requirements. Welding codes are constantly changing, and Keen is ready to meet the demands of today's welders.

Below is a list of industries where Keen welding TIG filler wire ovens:

- Aerospace Machinery Repair and Fabrication
- Pipe Line Welding Repair and Fabrication
- Structural Welding
- Ship Repair and Conversion
- Shipbuilding
- Steel Elevated Water Tanks
- Boiler and Pressure Vessel Repair and Fabrication
- Steel Tank Fabrication
- Large Sign Fabrication

For small shops requiring moisture-free storage of TIG wire, we offer small bench models like the KT-4-36 that is capable of storing 24 tubes of 36" length wire. For bigger shops, we offer large-capacity floor-positioned ovens such as the K-360-36 and the KT-99 - originally designed for Boeing - which also features a sliding drawer for storing FCAW wire or MIG wire.

Many military defense, aerospace manufacturing and repair facilities trust KEEN for safe, humidity-free storage of their expensive TIG alloys. The KT-99 with it's Lexan door and locking door feature has been a mainstay for many aerospace companies around the world that prefer high-quality American products manufactured by Keen. Custom version of the KT-99 are available including a nitrogen purge version, as well as a model with 2 MIG/FCAW drawers.

Please review the following specification sheets and product overviews for more information on KEEN TIG wire storage ovens.



Henkel Enterprises, LLC

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One Year Limited Warranty Statement

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Henkel Enterprises, LLC warrants its products against defects in material and workmanship. Henkel Enterprises, LLC will either repair or replace without charge any properly installed product which fails under normal operating conditions within one year from date of installation, provided it is returned to our factory, transportation prepaid, and our inspection determined it to be defective under the terms of this warranty. The warranty covers only equipment manufactured by Henkel Enterprises, LLC and does not extend to transportation, installation, or replacement charges at the buyer's facility; nor does it apply to any other equipment of another manufacturer used in conjunction with Henkel Enterprises, LLC equipment. No other warranty, expressed or implied exists beyond that included in this statement.

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Standard Product Returns

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Return goods: Goods may be returned only with written permission of Henkel Enterprises, LLC and will be subject to a 25% restocking charge. Return shipments must be sent prepaid and received in new condition only. If returned products are received used or damaged, only a salvage credit solely determined by Henkel Enterprises, LLC will be given.