



Product Booklet

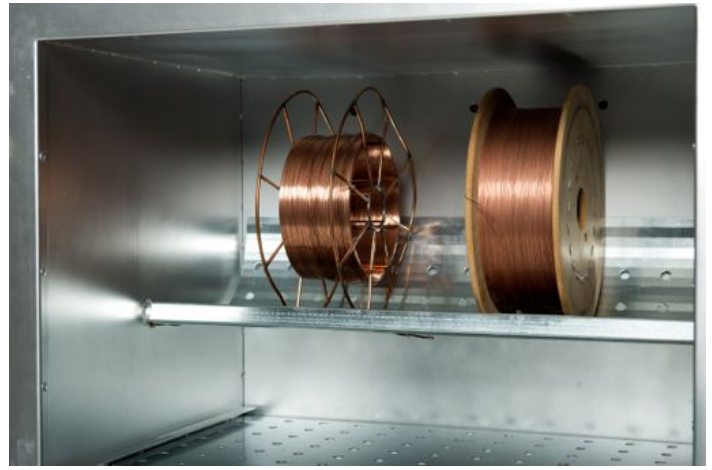
Keen K-MPO Mixed-Consumable Storage Oven



Purpose: To prevent moisture contamination in
spooled wire, TIG wire and stick rods

Capacity: 8 / 10 lb Tubes Filler Metal, 6 / 12”
Diameter (33 lb) Welding Wire Spools,
600 lbs stick electrodes

Temperature Range: Ambient – 250F



Product Overview

Keen K-MPO Multi-Purpose Holding Oven - Floor

About the K-MPO Multi-Purpose Wire Oven – 6 / 12” (33 lb.) Spools, 8 / 10 lb. tubes of 36” TIG Filler Rod, 600 lbs. Stick Electrodes

The K-MPO stores 6 / 12” (33 lb.) FCAW wire spools, 8 / 10 lb. tubes 36” TIG Filler Rod and 600 lbs. Stick Electrodes. Our floor ovens are the preferred choice for many large manufacturing, fabrication and aerospace facilities where centralized, tight control of welding electrode quality and cost is of utmost importance. Our K-MPO model maintains consumables at ideal temperatures to prevent moisture pick-up and to optimize welds.

Heavy-Duty Construction Features

- Durable powder-coated steel exterior
- Welded construction
- Cradled perforated shelving allows for natural convection
- Heavy-duty reinforced door, door latches and handle
- High-strength door gasket with 304 stainless steel knitted wire core and high-temperature fiberglass overbraid
- Pockets at oven base for easy transport by forklift
- 1 year limited manufacturer warranty

Performance Heating and Safety Features

- 2" (2.54 cm) thermal insulating wool for energy-efficiency.
- Two long-lasting 1000W UL®-approved Incoloy-sheathed tubular heating element for effective heating.
- Digitally-adjustable, ON/OFF microprocessor-based controller with ± 1 degree accuracy
- Stable, reliable temperature control
- 4-digit LED temperature indicating display
- Handy tactile increment/decrement keys on the controller's water-resistant front panel enable easy temperature set point adjustment
- Temperature readout in Fahrenheit or Celsius
- Adjustable, thermocouple-actuated manual reset over temperature control (high limit fail safe device)

Shelving Design

The K-MPO features three shelving styles:

The perforated, cradled shelving in the K-MPO allows for natural convection within the oven and enables the spools to be supported on their sides without

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Product Overview

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rolling out. The reinforced shelves are supported by a welded-in steel bar for stability and to prevent bending. Beneath the perforated shelves lies the tubular heating element, thus the spools are protected against contact with the heating element. With our shelving design, you can be assured that heat will reach your consumables safely and effectively and prevent atmospheric moisture contamination.

The K-MPO has secondary storage capacity in the door rack that is capable of storing 8 / 10 lb. tubes of 3/6" TIG Filler Rod. The door is reinforced with welded hinges enabling to support the weight of TIG electrodes. The added TIG electrode storage capability makes the K-MPO more versatile than other products in the market.

Adding further to its versatility, the K-MPO incorporates the same perforated, angled shelving found on our stick electrode ovens. The rack is capable of storing 600 lbs of electrodes up to 18" in length.

Customization

We have the unmatched ability to customize any of our standard ovens, and/or design one-of-a-kind ovens for unique storage requirements. Welding codes are constantly changing, and Keen is ready to meet the demands of today's welders. Please visit our website <http://www.keenovens.com> for more information about our products and detailed technical information about welding consumable storage.



Specifications for Keen K-MPO Mixed-Use Oven Stores TIG Filler Wire, Wire Spools and Stick Electrodes

Part Number	010706 – (120V – 1 Phase)
010709 – (240V 3 Phase)	010707 - (240V – 1 Phase)
010710 – (480V – 3 Phase)	010708 - (480V – 1 Phase)
Oven Category	Floor - Mixed Use
Electrode Capacity (LBS) Wire Capacity (# of Spools) TIG Filler Wire Capacity	600 lbs. 18" Rods 6/12" Wire Spools 8 tubes 36" filler rods in door rack
Electrode Capacity (KGS) Wire Capacity (# of Spools)	272.16 kgs. 45.7cm Rods 6/30.4cm Wire Spools
Standard Voltages Available	120V, 240V, 480V
Wattage	2000W
Temperature Range (°F)	150-550°F
Temperature Range (°C)	66-288°C
Thermostat	Digital Microprocessor
Safety Feature	Manual Reset Over Temperature Control
Insulation	2" Thermal Wool
Interior Dimensions (IN)	20" D x 27.5" W x 40" H
Interior Dimensions (CM)	50.80cm D x 69.85cm W x 101.60cm H
Exterior Dimensions (IN)	27" L x 36" W x 47" H
Exterior Dimensions (CM)	68.58cm L x 91.44cm W x 119.38cm H
External Thermometer	Digital Temperature Display
Net Weight (LBS)	300 lbs.
Net Weight (KGS)	136.08 kgs.
Shipping Dimensions (IN)	38" L x 44" W x 58" H
Shipping Dimensions (CM)	96.52cm L x 111.76cm W x 147.32cm H
Shipping Weight (LBS)	450 lbs
Shipping Weight (KGS)	204.12 kgs.
Power Cord Length	10 ft.
"ON" Indicating Light	Yes
CSA Approval	No
UL Approval	No
Accessories	None Available
Similar Keen Ovens	K-900, K-1000, K-1000M&T

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KEEN Spooled Wire Storage Ovens (MIG, FCAW)

Made in the USA and ruggedly constructed, Keen FCAW (Flux-Cored Arc Welding) and MIG (Metal Inert Gas) spooled welding 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 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 wire spool ovens

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
Aerospace Machinery Repair and Fabrication

For small shops requiring moisture-free storage of spooled FCAW wire and MIG wire, we offer small capacity bench models capable of storing 33 lb. and 60 lb spools. For bigger shops, we offer large-capacity floor-positioned ovens with cradled shelving for storing a large number of 33 lb. and 60 lb. spools, as well as TIG filler wire in a reinforced door rack.

Storing spooled wire at elevated temperatures prevents moisture contamination in the flux core of FCAW wire, and deters surface contamination in MIG wire that can potentially lead to rusting and other damage. All wire must be stored in dry conditions and kept away from substances that contain hydrogen (oil, grease, dirt).

Please review the following specification sheets and product overviews for more information on KEEN spooled wire MIG, FCAW and TIG ovens.



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One Year Limited Warranty

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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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