



PIPE & WELD ITALY
worldwide industrial products

ELECTRODE DRYING AND KEEPING OVEN MODELS PWI-3ER & PWI-3ER PLUS

The ovens models **PWI-3ER** and **PWI-3ER Plus** are mainly used for **drying and keeping** the treatment of welding electrodes to a specific time and temperature, to avoid hydrogen inclusion during welding process.

The innovative models are manufactured with versatile and modular structure, **equipped with 3/6/9** inner shelves: **PWI-3ER / F6ER / F9ER**, suitable for keeping different load capacities and meeting any working needs of the user.

The oven has an **external structure** made of sheet steel painted with epoxy powder coating to withstand heavy working conditions as humidity, corrosion and salty atmosphere. The **inner chamber** is manufactured in galvanized plate, heatproof 400°C. All the ovens are **heat insulated** with double walls and a special panel in rock wool and equipped with:

- ✓ **Programmable control board , PLC**
- ✓ **Automatic fan ventilation system**



CE

Specifications	PWI-3ER / PWI 3ER PLUS
Load Capacity	203 Kg (about 4500 electrodes, Ø 3,25 mm)
Max. inner Temperature	400° C
Power	3,7 kW
Input Voltage	400V a.c. – 50/60 Hz three-phase standard -other voltages upon specific demand-
Protection Grade	IP 40
External Dimensions (l x w x h)	1080 x 700 x 860 mm
Oven Weight	180 Kg
Transport Dimensions (l x w x h)	1200 x 800 x 1050 mm
Gross Weight	195 Kg

ELECTRONIC PROGRAMMABLE CONTROL – PLC AND BENEFITS “PLUS” ON ELECTRODE AND FLUX DRYING AND KEEPING OVENS

Drying and keeping cycles can be programmed; the ovens are pre-set by default according to the optimal parameters of temperature (370/375° C) with standard times suggested by the factory

When switched on, the oven starts heating automatically until it reaches the set temperature value; Once the drying temperature is achieved, the setting is kept for the time of 3 hours; after that you switch to the maintenance cycle by lowering the temperature to the set value (e.g. 150° C) for n time until the oven is switched off. All values can be changed by the user according to the real needs. The actual temperature inside the oven, in all processing steps, is displayed in real time.

All ovens are equipped with a safety switch that stops the cycle in case of door opening. All anomalies and alarms are immediately displayed and recorded in a history with date and time.

If a shutdown occurs during operation for the current suspension failure, once on, the oven does not start from the beginning but preserves the memory returning to the loop with values and functions when switching off.

The ovens are equipped with a hours counter for any routine maintenance.

All PWI ovens are prepared with a RJ45 socket for connection to the LAN that allows a remote control and immediate technical assistance in case of breakdowns or any problem.

STANDARD CONTROL EQUIPMENT FEATURES AND BENEFITS PLUS

	STANDARD	PLUS
COLOR DISPLAY	NO	YES
CONNECTION TO CORPORATE NETWORK	YES	YES
USB OUTPUT FOR DATA STORAGE	NO	YES
OPPORTUNITY OF PROCESS REGISTRATION	NO	YES
TEMPERATURES AND TIMES CHANGE	YES	YES
HOURS COUNTER	YES	YES
CUSTOMIZATION WITH LOGOS AND PHOTOS	NO	YES
CLOCK FOR AUTOMATIC START	NO	YES
ALARMS AND ANOMALIES VISUALIZATION	YES	YES
SAFETY MICROSWITCH TO STOP THE CYCLE WHEN THE DOOR IS OPENED	YES	YES

*The Manufacturer reserves the right to change, cancel and replace the products
and the relevant technical specification without any warning obligation*

Pipe & Weld Italy Srl – Via G.Mazzini, 61– 20871 Vimercate (MB) IT
Tel. + 39 039.6260313 – sales@pwitaly.com – www.pwitaly.com