



**PIPE & WELD ITALY**  
*worldwide industrial products*

**INNOVATIVE HOPPER FLUX DRYING AND KEEPING OVEN  
 MODELS PWI-FR200A and FR200A-PLUS**

The **Hopper Ovens** are mainly used for drying and keeping the welding powders used in submerged arc welding.

The new models, with a single tank, are manufactured with a versatile structure, suitable for keeping different load capacities and meeting any working need of the user, reducing consumptions of 30/40 % compared to traditional models.

They are equipped with:

- Sensor that adjust the power supply depending on the real amount of loaded flux
- Electronic Programmable Control Equipment, PLC
- Inner simple hopper
- Heat insulation with double walls and a special panel in rock wool.
- Easy loading and unloading flux system.



Specifications	PWI-FR 200A / PWI-FR 200A PLUS
Load Capacity	100/200 Kg , variable
Max. Inner Temperature	400° C
Power	2,5 / 4,9 kW
Input Voltage	400V a.c. – 50/60 Hz three-phase
Protection Grade	IP 40
External Dimensions (l x w x h)	880 x 680 x 1330 mm
Oven Weight	110 Kg
Package Dimensions (l x w x h)	
Transport Weight	130 Kg
Height of the flap door for flux collection	40 cm

## **ELECTRONIC PROGRAMMABLE CONTROL EQUIPMENT- 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**

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

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

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