

ECO-GÁS 3 OVERVIEW



- 1 Gas inlet connection, attached to the gas cylinder or gas network.
- 2 Input power from 110 to 220 VAC.
- 3 Welding current measurer sensor.
- 4 Manual or Robotic welding machine.
- 5 Welding torch.
- 6 Work piece.

NOW AVAILABLE IN EUROPE

RSW International
Global Technical service
contact@rswinternational.pt



SCAN ME

ECO-GÁS 3

www.ecogaswelding.com



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ECO-GÁS 3

ELECTRONIC GAS REGULATOR
FOR MIG/MAG WELDING
PROCESSES



EFFICIENCY
AND ECONOMY
for MIG/MAG
welding processes

SAVINGS
UP TO
60%

ECO-GÁS 3 BENEFITS



FINANCIAL

- Expressive gas saving.
- Decrease of rework.
- Detailed consumption.
- Predictable ROI (simulation).



QUALITY IN THE PROCESS

- Better Finishing.
- Eliminates rework due to gas failure.
- Accurate control of parameters.
- Standardization of gas flow on the welding processes.
- More stable processes.



PEOPLE

- Standardization among operators.
- Monitoring and help to compare productivity levels.

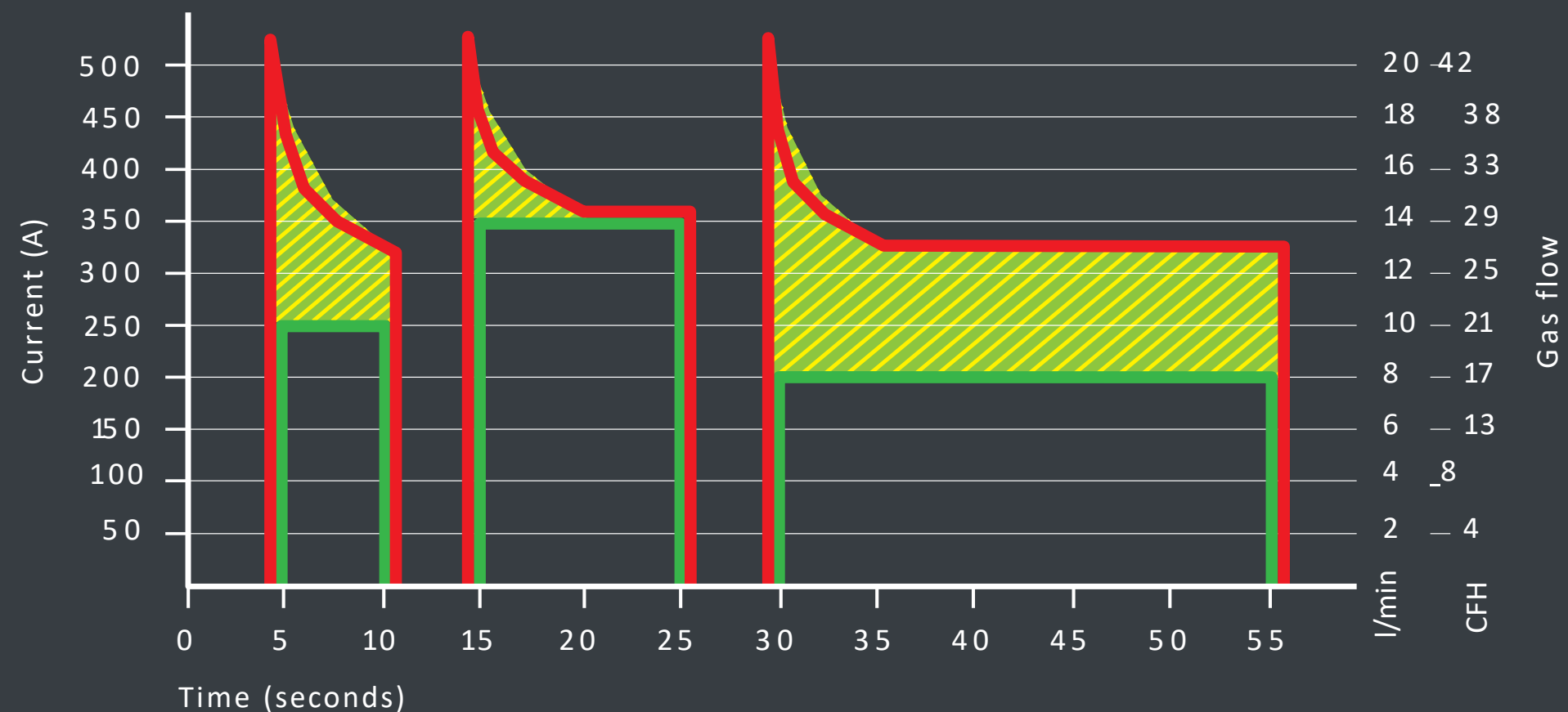


ENVIRONMENT

- Ecologically favorable.
- Reduction of welding fumes.
- Cleaner environment.

ECO-GÁS 3 COMPARATIVE

WELDING CURRENT X GASFLOW



■ ECO-GÁS GAS FLOW
 ■ CONVENTIONAL SYSTEM GAS FLOW
 EFFECTIVE GAS SAVINGS



“DO YOU WANT TO FIND OUT HOW MUCH YOU CAN SAVE?”

BE SURE TO HAVE THE FOLLOWING INFORMATION:

IF YOU USE **GAS CYLINDER:**

- 1) The cost of the gas cylinder.
- 2) The number of cylinders used daily.
- 3) The number of working days per month.

IF YOU USE **LINE GAS:**

- 1) The cost of each m³ of gas.
- 2) The amount of gas in m³ used daily.
- 3) The number of working days.



NOW YOU JUST NEED TO FILL OUT THE TABLE AND FIND OUT HOW MUCH YOU CAN SAVE.



EXCLUSIVE FEATURES AND MONITORED PARAMETERS



MEASUREMENT OF THE WELDING CURRENT

Measuring the welding current is possible to check the stability of the welding current according to each process. With **ECO-GÁS**, the current displayed on the power source can be compared to the current displayed by **ECO-GÁS** so that possible anomalies in the welding source can be identified.



DISPLAYING OF ACTUAL GAS FLOW

In real time, is possible to see the actual gas flow value in l/min or in CFH on the **ECO-GÁS** display.



DISPLAYING OF GAS CUMULATIVE CONSUMPTION

It checks and records the cumulative gas consumption, that is, how much gas was consumed in l/min or CFH in a part, during the day or in a certain period of time.



MONITORING ARC ON TIME

It accurately records the arc on time, in a cumulative way, making it possible to compare welders and to monitor the welding time in a part, during the day, or in a certain period of time.



REGISTERING THE TIME THE EQUIPMENT IS ON

It records, in a cumulative way, the time the equipment is on, enabling the planning of preventive maintenances.



COUNTER OF WELDING CYCLES

It counts the number of welding cycles; making it possible to compare welders, teams and shifts during the day, or in a certain period of time.



PREFLOW AND POSTFLOW CONTROL

Selects the flow rate at the beginning and at the end of the weld bead, so that gas waste is avoided and quality in the process is ensured.



GAS OUTPUT FLOW RATE REGULATOR

The equipment counts with 10 setting scales to ensure higher flexibility and looking for to attend the different variables of the process such as oxidated parts or even environment with too much air circulation.



SOFTWARE AVAILABLE IN 4 LANGUAGES

Interface in the languages: English, Spanish, Portuguese and Italian.



SETTINGS PROTECTED BY PASSWORD

The operation of **ECO-GÁS** is protected by a password that can be reset. Besides allowing the definition of all parameters, it is also possible to define which errors will be managed by the operator or leadership.



GAS FAILURE INDICATION

When detecting insufficient gas supply, the equipment beeps and can interrupts the welding process to avoid rework and waste.



OUTPUT FLOW RATE CHECK

Allows the measurement of the output gas flow rate so it is possible to compare the flow specified in the **ECO-GÁS** and the actual gas flow of the torch (nozzle), making easy to identify possible gas leaks or obstructions in the torch.



AUTOMATION INTERFACE

It has a friendly interface for automation systems (welding robot or special equipments) with PNP or NPN input and output selection, allowing the selection of gas type, setting scales for gas flow and also indicating errors in the Teaching Pendant of the robot.