

Orbital welding (Welding generators)

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

Our new range of AXXAIR welding generators has been designed to facilitate the use and programming of your equipment.

Intuitively, you will have access to sophisticated functions allowing you to make the most demanding welds with ease.

Particular attention has been paid to the choice of technologies used, while favouring as much as possible standard commercial components, in order to facilitate access to parts.

This flexibility will be a genuine asset for your future projects and allow you to be competitive in all your work.



The axis board that controls the motors used on the heads was specifically designed to be able to control various motors and servo systems: DC, brushless, stepping motors, and also encoders and tachometers.

Here, the innovation resides in the ability to easily control the motors used in our competitors' heads so as to offer greater flexibility to our customers that already have them. A 32-pin "quickfit" connector allows interaction between our generator and AXXAIR welding heads and other brands.

FLEXIBILITY, PRODUCTIVITY

With the latest touch screen interface, we offer you all the possibilities including the most advanced while taking into account the users.

QUALITY AND REPEATABILITY

A classification system for programmes by welding configuration (diameter, wall thickness and head type) allow you to find the corresponding programme for the welding application you are looking for very easily. Each configuration can hold 9 programmes.

PORTABILITY

In order to facilitate mobility on site or in the workshop, transport trolleys for generators are recommended, thus enabling efficient management of the generator and its gas cylinder.



Please do not hesitate to contact us for all enquiries relating to orbital welding generators.

We will be glad to share our know-how with you and to devise a solution that best meets your needs!



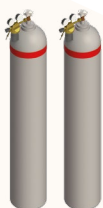
SAXX-300

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Gas management completely assured

2 separate gas lines, free choice of inerting gas flow management



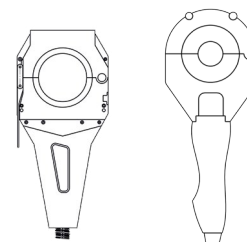
Gas flow is controlled on the generator using the buttons (flow rate displayed on screen)

Water cooling



Compatible with closed welding heads:

AMI, Polysoude, ESAB, Orbitec and Orbitalum



Interface 5.7 colour touch screen + WiFi (optional)

13 languages, possibility of remote control by smartphone or tablet



Integral printer:

Printing program and real parameters

Compatible with AVC/OSC system

ppm measuring device

Capable of managing the thresholds by sending an electrical impulse to the station to start the welding



Axis for added metal

Possibility of using Step mode

Acquisition and documentation

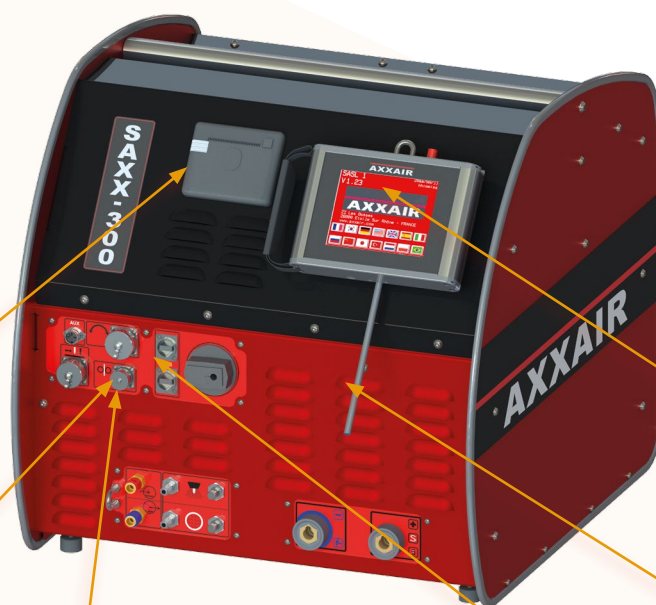
Records the last 999 welds + weldreport (formatting of data and presentation of instructions in the form of demos)

Remove control display

4 m long cable

USB front panel

200 programmes per USB stick (multiple sticks can be used)
Remote update possible



SAXX-300

Technical characteristics:

Duty cycle:

| 400 V | |
|-------|-------|
| 30 % | 300 A |
| 60 % | 240 A |
| 100 % | 210 A |

Power supply:

- Three phase main with earth
- Supply voltage : 400 V +/-15%
- Maximum current on main : 24A
- Frequency : 50/60Hz
- Cable : HO7RN-F 4x2.5 mm² black length 3m

Gas supply:

- Maximum inlet pressure: 5 bars
- Maximum flow rate: 50 l / min per gas line
- Inlet connectors: M12x100 male
- Outlet connectors: female blanking union Series 20

Technology:

- Colour touch screen 5"
- 13 languages
- Up to 16 users with passwords and custom permissions
- Simple and intuitive programming with automatic parameter calculation and programming assistance
- 200 programs in 20 sectors maximum / key

Wi-fi: (Option)

Remote control of the screen on smartphone or tablet via application, range: 20 to 30 m



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Intelligence:

- Alarms: More than 30 alarms to protect the system and check that welding is normal.
- Welding voltage measured in increments of 0.1 A
- Minimum pulse time of 50 ms (modifiable via "operator dynamics")

Integrated printer:

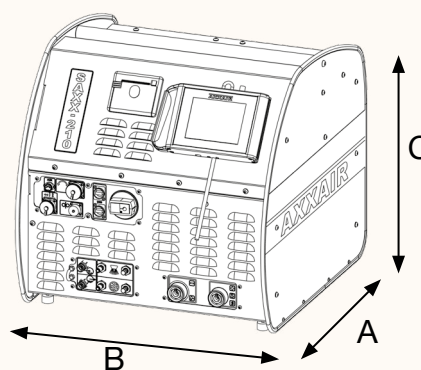
- 32 characters / line
- Print program and actual parameters

Auxiliary connector:

- Possibility of triggering the welding start via an oxygen meter (dry contact).

Cooling connector:

- Max pressure: 5 bars
- Cooling power according to standard CEI60974-2: 1.4 kW
- Liquid connectors: female blanking union Series 21



| | Product Code | Description | Net weight | Code code | Dimensions A x B x C (mm) |
|--------|---------------------|--|------------|----------------|---------------------------|
| | NEW SAXX-300 | Orbital station, 300A, 380V with double gas line and wire axis | 44 kg | 85153 10000 | 562 x 620 x 545 |
| Option | SWIFI | Wifi antenna for SAXX-300 for remote control | - | 85159 00090 | - |
| Option | SAVCOSC | AVC OScillation axis for SAXX-300 | - | 85159 00090 | - |

