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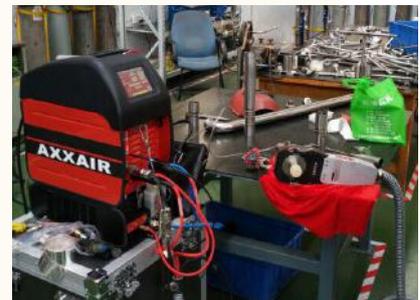
FLEXIBILITY, PRODUCTIVITY
With the latest touch screen interface, we offer you all the possibilities including the most advanced while taking into account the users.

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.

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.

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!

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SAXX-200

AXXAIR
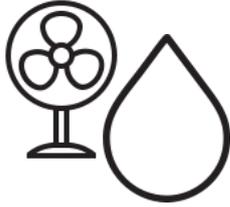INNOVATIVE ORBITAL SOLUTIONS

Fully-assured gas management
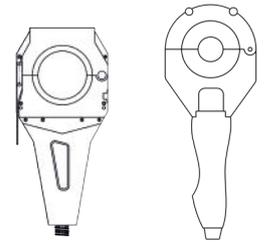2 separate gas lines, free choice of inerting gas flow management

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

Air Cooling or Water cooling

Compatible with closed welding heads:
AMI, Polysoude, ESAB, Orbitec and Orbitalum

Acquisition and documentation

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

Interface 5.7 colour touch screen + WiFI

13 languages, possibility of remote control by smartphone or tablet

Ppm measuring device
Capable of managing thresholds and sending an electrical pulse to the station in order to start the welding

Integral printer:
Printing program and actual parameters

Axis for added metal

Possibility of using Step mode

Cooler: removable without tools
Cooling capacity 700 W, min flow safety system

USB on front panel

200 programs per stick (possible to use several sticks) Remote update possible

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SAXX-200
AXXAIR welding generator options

AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

You can now order your SAXX-200 generator with **the options you need**.

CAUTION: The options must be factory fitted. (Exception: Scool-700 cooler)

Second gas line

This second gas line allows control from the generator of **your internal inerting** and / or dual gas management of the welding torch.

- Gas savings

- Welding process safety

WIFI

This option includes a built-in **Wifi antenna** in the station.
The operating distance is 20-30 m depending on the environment.

We have authorized remote control via a smartphone or tablet. In fact, one application provides access to all functions, including programming.

Wire feed

This option includes the axis board and the connectors. It must be completed by the dispenser (see accessories).

The Axxair welding generator makes it possible to use the **step mode** and to **synchronize the wire feed** with the current pulse

WATER cooler

Removable cooler without tools with a cooling capacity of **700W** with a flow safety sensor.
It is essential to use in all water cooled machines.

- Increasing the duty cycle

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SAXX-200

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Technical characteristics

Duty cycle:

230 V		110 V	
25 %	200 A	35 %	140 A
60 %	140 A	60 %	115 A
100 %	115 A	100 %	100 A

Power supply:
- Single phase network **with earth**
- Supply voltage: 110 to 230 V +/-15%
- Input current consumed 23A at 230V and 32A at 110V
- Frequency: 50/60Hz
- Cable supplied: HO7RN-F 3x2.5 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 5.7"
- 13 languages
- Up to 16 users with passwords and custom permissions
- Simple and intuitive programming with automatic parameter calculation and programming
- 200 programs in 20 sectors maximum / key

Integral printer:
- 32 characters / line
- Print program and actual parameters

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

Auxiliary connector:
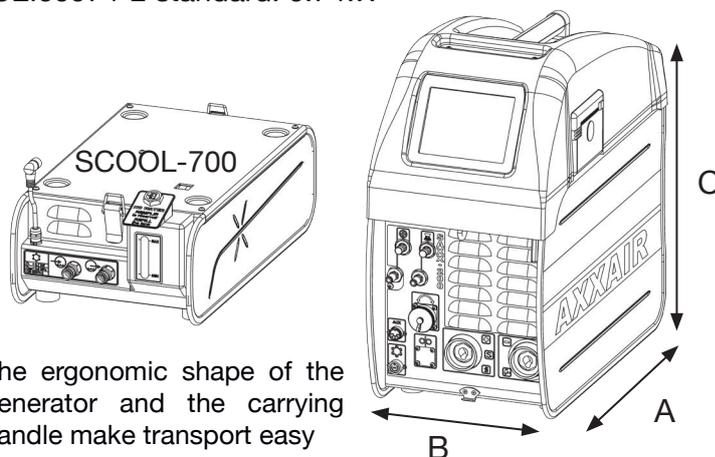- Possibility of triggering the welding start via an oxygen meter (dry contact)

Wi-fi: (Option)
Remote control of the screen on smartphone or tablet via application, range: 20 to 30 m

Cooling connector:
For SCOOL-700 cooler only: It must be connected to a SAXX200 to operate (No standalone operation)
- Max pressure: 5 bars
- Cooling power according to CEI60974-2 standard: 0.7 kW

SCOOL-700

The ergonomic shape of the generator and the carrying handle make transport easy

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	Product Code	Description	Net weight	Customs code	Dimensions A x B x C (mm)
NEW	SAXX-200	Orbital TIG station, 200A, auto-voltage, one line of gas, air cooled	21 kg	85153 10000	468 x 249 x 482
Option	SCOOL-700	Cooler (water), 700W for SAXX-200	8 kg	85159 00090	468 x 249 x 146
Option	SGAS	Second digital gas line on SAXX-200	-	85159 00090	-
Option	SWIFI	Wifi antenna for SAXX-200 for remote control	-	85159 00090	-
Option	SWIRE	Wire board for SAXX-200	-	85159 00090	-

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