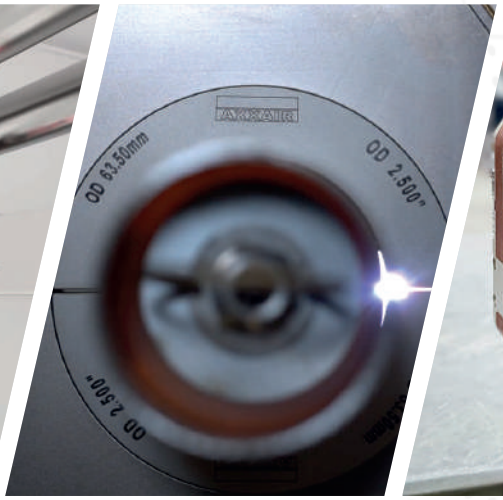
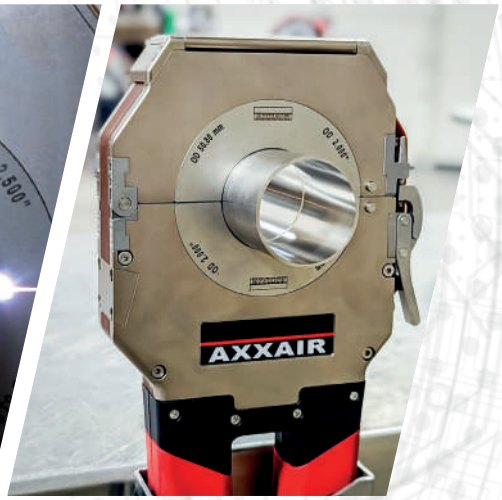
# ORBITAL WELDING SOLUTIONS

## CLOSED WELD HEAD RANGE: SATFX-52 / SATFX-76 / SATFX-115

0.25 - 4.5" o/d / 6 - 115 mm o/d






SCAN QR CODE
TO WATCH VIDEO

AXXAIR
AN SPE GROUP BRAND

Daonte
Tecnología Metalmecánica

www.AXXAIR.com

# CLOSED ORBITAL WELD HEAD SATFX 52-76-115

**0.25 - 4.5" o/d / 6 - 115 mm o/d**

- **Function:** Orbital TIG welding
- **Materials:** Any kind of steel and exotic alloys
- **Powered by the SAXX power source**

The SATFX closed weld heads offer the ability to achieve high-quality and repeatable welds in confined spaces.

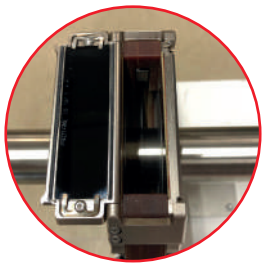
These closed heads are suitable for orbital welding through a simple fusion process without adding filler metal, making them ideal for thin tubes of various grades of stainless steel (less than 3 mm thick). Also, they are essential for welding nickel or titanium-based alloys sensitive to oxidation, ensuring installations with impeccable resistance to chemicals or heat.

Commonly used in industries with high standards, such as aeronautics, semi-conductors, pharmaceuticals, and food processing, the narrow width of the head suits construction sites with limited straight sections, as well as workshops and clean rooms.

## MAIN FEATURES

- **Optimized gas diffusion**
- **Grease free operation**: compatible with clean room standards
- **Integrated remote control:** start/stop, gas and electrode rotation, **and illuminated logo** that shows status of the machine
- **Easy cleaning and maintenance**
- Lead length: 8 m / 27 ft

| SATFX-52 | SATFX-76 | SATFX-115 |
|---|---|---|
|  |  |  |



**WIDE PIVOTING WINDOW**
with shade 10 welding lens



**STAINLESS STEEL JAWS WITH QUICK ASSEMBLY WITHOUT TOOLS**
Standard and wide clamping jaws for increased rigidity when welding accessories



**CASSETTES (ACCESSORY)**
Cassettes for welding in confined areas. Easy positioning of the cassette on the parts to be welded before fixing the central body of the head



**ADJUSTABLE FORCE CLAMPING SYSTEM**
to ensure a consistent clamping of the machine





**OPTIMIZED HANDLING**
ergonomic design with soft touch compound areas

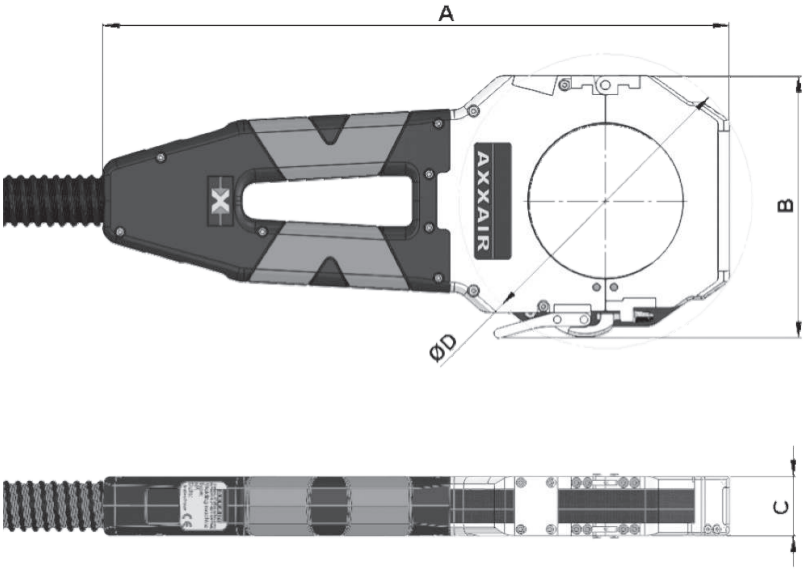
Water cooled

## POWER SOURCE

| SAXX-201 | SAXX-200 | SAXX-210 | SAXX-300 |
|---|---|---|---|
|  |  |  |  |
| **Orbital TIG welding power source 200A, 110 - 220v** *with cooling system* | **Orbital TIG welding power source 200A, 110 - 220v** *with cooling system* | **Orbital TIG welding power source 210A, 110 - 220v** | **Orbital TIG welding power source 300A, 400v** |

## DIMENSIONS (MM/INCH)

| DIM | SATFX-52 | | SATFX-76 | | SATFX-115 | |
|---|---|---|---|---|---|---|
| A | 375 mm | 14.76" | 399 mm | 15.71" | 439 mm | 17.28" |
| B | 142 mm | 5.59" | 166 mm | 6.53" | 206 mm | 8.11" |
| C | 37.6 mm | 1.48" | 37.6 mm | 1.48" | 37.6 mm | 1.48" |
| D | 160 mm | 6.3" | 187 mm | 7.36" | 242 mm | 9.53" |




## DELIVERY AND STORAGE



**Delivered in a shockproof case** with a hook lead

## TECHNICAL FEATURES

| PART NO | SATFX-52 | SATFX-76 | SATFX-115 |
|---|---|---|---|
| **DESCRIPTION** | Closed welding head with 8 m / 26 ft lead **Water cooled** | Closed welding head with 8 m / 26 ft lead **Water cooled** | Closed welding head with 8 m / 26 ft lead **Water cooled** |
| **TUBE DIAMETER (O/D)** | 6 - 52 mm | 6 - 77 mm | 12 - 115 mm |
| | 0.25 - 2" | 0.25 - 3" | 0.5 - 4.5" |
| **ELECTRODE DIAMETER** | 1.6 or 2.4 mm | 1.6 or 2.4 mm | 1.6 or 2.4 mm |
| | 1/16 or 3/32 | 1/16 or 3/32 | 1/16 or 3/32 |
| **WEIGHT WITH CABLE** | 18.96 lbs / 8.6 kg | 19.62 lbs / 8.9 kg | 20.72 lbs / 9.4 kg |
| **DUTY CYCLE AT 100%** | 100 A | 100 A | 100 A |
| **MAX WELDING CURRENT** | 150 A | 150 A | 150 A |
| **OPERATING TEMPERATURE** | +0°C / + 40 °C (32°F / 104°F) | +0°C / + 40 °C (32°F / 104°F) | +0°C / + 40 °C (32°F / 104°F) |

## ACCESSORIES

### CLAMPING JAWS



Thin or wide

PART NO. SMNXXX-XX* / SMLXXX-XX*

### ADAPTATION SPACERS



PART NO. SMNXXX-ETXXX*

### ELBOW FLANGES



See Accessories & consumables for SATFX

### CASSETTES



PART NO. SATFXXX-CA01*

### TABLE MOUNTS



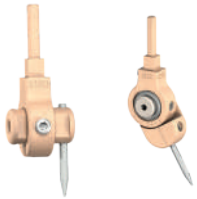
PART NO. SATFX-SUP

### PURGING KITS



PART NO. SKIF-01 / SKIB-01

### ELECTRODE HOLDERS



PART NO. SSEDX / SSEIX

### LEAD EXTENSION



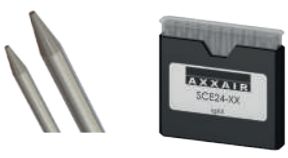
5 or 10 meters

PART NO. SAFS-05MX / SAFS-10MX

Other accessories are available on request depending on the configuration of the tubes to be welded.
Discover also all Pipe Purge Masters (PPM) accessories for purging solutions!
www.PURGEMASTERS.com

## CONSUMABLES

### ELECTRODES




Diameter 1.6 or 2.4 mm / 1/16 or 3/32"

PART NO. SCE16-XX / SCE24-XX

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Tecnología Metalmecánica

* XX = DIAMETER
* XXX = MODEL SATFX52 / SATFX76 / SATFX115