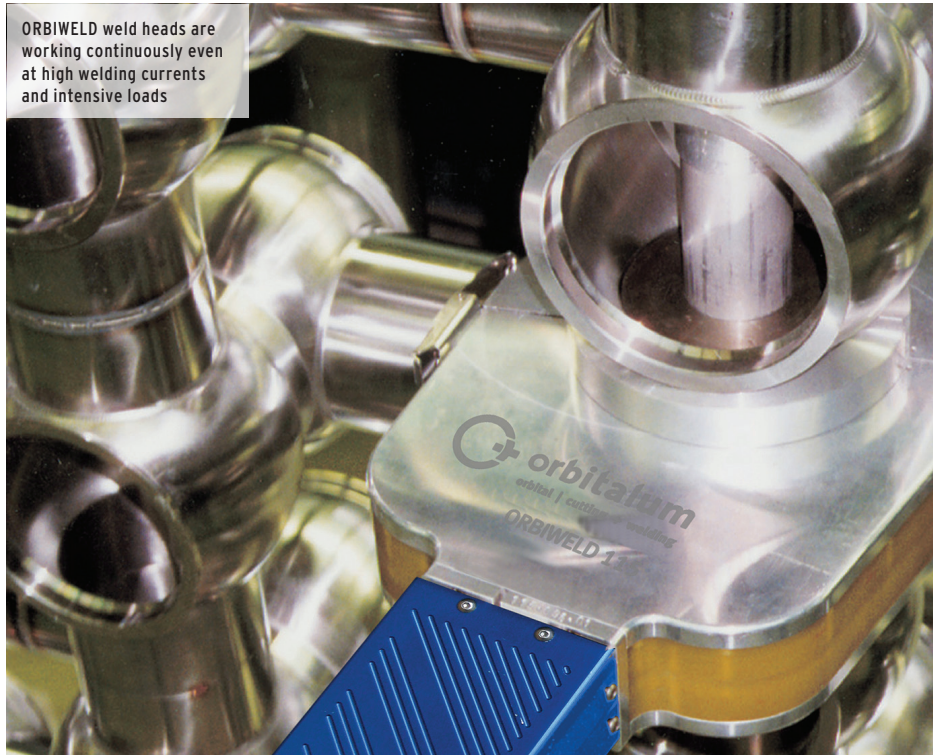


ORBIWELD 115, 170

Enclosed orbital weld heads

The ORBIWELD series is characterized by very high thermal resistance. It is therefore particularly suitable for applications in the chemical, pharmaceutical, food and beverage industry, where ever greater demands are made on the closed weld heads by ever greater tube diameters and wall thicknesses.



ORBIWELD weld heads are working continuously even at high welding currents and intensive loads

OW 115



OW 170



Coolant channels running through the entire weld head body ensure an excellent heat dissipation that enable the ORBIWELD weld heads to work continuously even at high welding currents and intensive loads.

The closed design of the ORBIWELD series and the gas management system of the head ensure a permanent infiltration of the weld seam during welding with inert gas, guaranteeing seams that are very low in welding colors.

FEATURES:

- Quick change system for clamping inserts that engages and releases smoothly without any tools
- High durability due to completely water-cooled weld head housing
- Durable clamping connections in combination with clamping inserts available for all tube dimensions guarantee that the parts to be welded are clamped securely without misalignment

- All the important commands for welding can be transmitted to the power supply via a control panel built into the robust and durable aluminum handle, so that no additional remote control is required
- High-quality, rugged housing and handle parts
- Highly flexible hose package (Length: 7.5 m/ 24.6 ft) with strain relief to the power supply
- Cost-effective clamping inserts
- Comprehensive and customer-specific range of accessories

| APPLICATION RANGE | ORBIWELD 115 | ORBIWELD 170 |
|----------------------|-----------------------------|-----------------------------|
| Code | 824 000 001 | 825 000 001 |
| Tube OD, min. - max. | 20 - 115 mm 3/4" - 4.5" | 50 - 170 mm 2" - 6" |
| Electrode Ø | 1.6/2.4 mm 0.063"/0.094" | 1.6/2.4 mm 0.063"/0.094" |
| Weight | 15.1 kg 33.3 lbs | 20.7 kg 45.6 lbs |
| Hose package length | 7.5 m 24.6 ft | 7.5 m 24.6 ft |

SCOPE OF DELIVERY

| | |
|--|--|
| Including: | <ul style="list-style-type: none"> • 1 Enclosed orbital weld head OW 115 or OW 170 • 1 Durable storage and shipping case (Code 821 030 001) • 1 Tool set • 1 Operating instructions and spare parts list |
| Suitable accessories (available option): | <ul style="list-style-type: none"> • Clamping inserts, small and wide • Plastic case for clamping inserts • Cavity inserts for moldings • Inserts for elbow welding • T-piece clamping shells • Electrode adapters • Table mounts • ESG tungsten grinders • ORBmax residual oxygen meter • ORBIPURGE forming set • Hose package extensions • Pressure regulator • Inspection set • WS2 tungsten electrodes |



ORBIWELD 115



ORBIWELD 170

| ORBIWELD 115 | DIMENSION | | ELECTRODE INTERVAL | | | |
|----------------|-----------|--------|------------------------------------|--------|------------------------------------|--------|
| | | | CLAMPING INSERT TYPE "S" [2 PAIRS] | | CLAMPING INSERT TYPE "W" [2 PAIRS] | |
| | [MM] | [INCH] | [MM] | [INCH] | [MM] | [INCH] |
| Dimension "A1" | 30.00 | 1.181 | 32.00 | 1.260 | 52.00 | 2.047 |
| Dimension "A2" | 30.00 | 1.181 | 32.00 | 1.260 | 52.00 | 2.047 |
| Dimension "B" | 60.00 | 2.362 | 64.00 | 2.520 | 105.00 | 4.134 |
| Dimension "C" | 260.00 | 10.236 | | | | |
| Dimension "D" | 115.00 | 4.528 | | | | |
| Dimension "E" | 102.00 | 4.016 | | | | |
| Dimension "F" | 275.00 | 10.827 | | | | |
| Dimension "G" | 498.00 | 19.606 | | | | |
| Dimension "H" | 215.00 | 8.465 | | | | |
| Dimension "I" | 50.00 | 1.969 | | | | |
| Dimension "J" | 67.00 | 2.638 | | | | |
| Dimension "K" | 88.00 | 3.465 | | | | |
| Dimension "L" | 250.00 | 9.843 | | | | |

| ORBIWELD 170 | DIMENSION | | ELECTRODE INTERVAL | | | |
|----------------|-----------|--------|------------------------------------|--------|------------------------------------|--------|
| | | | CLAMPING INSERT TYPE "S" [2 PAIRS] | | CLAMPING INSERT TYPE "W" [2 PAIRS] | |
| | [MM] | [INCH] | [MM] | [INCH] | [MM] | [INCH] |
| Dimension "A1" | 30.00 | 1.181 | 32.00 | 1.260 | 50.00 | 1.969 |
| Dimension "A2" | 41.00 | 1.614 | 43.00 | 1.693 | 61.00 | 2.402 |
| Dimension "B" | 70.00 | 2.756 | 72.00 | 2.835 | 110.00 | 4.331 |
| Dimension "C" | 345.00 | 13.583 | | | | |
| Dimension "D" | 160.00 | 6.299 | | | | |
| Dimension "E" | 140.00 | 5.512 | | | | |
| Dimension "F" | 365.00 | 14.370 | | | | |
| Dimension "G" | 585.00 | 23.031 | | | | |
| Dimension "H" | 285.00 | 11.220 | | | | |
| Dimension "I" | 50.00 | 1.969 | | | | |
| Dimension "J" | 67.00 | 2.638 | | | | |
| Dimension "K" | 88.00 | 3.465 | | | | |
| Dimension "L" | 332.00 | 13.071 | | | | |

