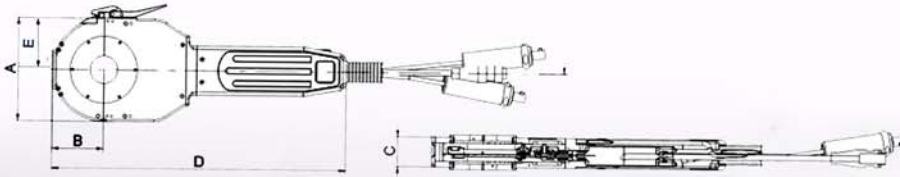


TPWH-C SERIES (Closed Weld Head for Tube and Pipe)

The TPWH-C series is designed to perform orbital TIG welds on tube and thin wall pipe without the need for wire feeding. The sealed cavity is filled with protective gas prior to and during the welding process. This weld head is very efficient and has a water cooled system. Various collet sizes are available, offering accurate positioning without tacking.



TPWH-C-5 Micro	
Diameter Range mm (inches)	6.35-12.7mm (.25"-0.5")
Welding Speed (rpm)	0.62-12.4
Standard Cable Length	10m (32')
Cooling	Air
Weight kg (lbs) excludes cable	0.85 (2 lbs.)
Dimensions (mm)	280 x 85 x 45
Dimensions (inches)	11.6" x 2.75" x 1.8"

Main Dimensions mm (inches)	
A 65mm (2.6")	B 35mm (1.4")
C 12.5mm (0.5")	D 280mm (11")
E 32.5mm (1.2")	



*Pictured:
TPWH-C-6 Closed Weld Head*

*Pictured:
TPWH-C-5 Micro
Closed Weld Head*

PERFORMANCE

- TIG autogenous (fusion) welding without filler material
- Precision design for accurate tube positioning
- Tube clamping collets manufactured from 17-4 SS for repeatability
- Closed chamber for better gas coverage and cleaner welds
- Compact design for small work areas
- Commonly used for stainless steel, nickel alloys and titanium
- Water cooled head for high production and larger wall thickness
- The tool of choice for medical, food, biological, electric, instrument and pipe installation industries
- **Recommended Power Unit = OW-ARC 180**

SEE FOLLOWING PAGE FOR WELD HEAD COLLETS

TPWH-C Series (Material Type: Stainless Steel and Titanium Alloy)						
	TPWH-C-5	TPWH-C-1	TPWH-C-15	TPWH-C-3	TPWH-C-4	TPWH-C-6
Diameter Range mm (inches)	3-12.7mm (.125"-0.5")	6-25.4mm (.25"-1")	6.35-38.1mm (.25" - 1.5")	19.05-76.2mm (.75" - 3")	38.1-101.6mm (1.5" - 4")	50.8-168mm (2" - 6.625")
Welding Speed (rpm)	2.3-46.13	0.61-12.2	0.3-6.08	0.2-4.08	0.09-1.9	0.06-1.19
Standard Cable Length	10m (32')	10m (32')	10m (32')	10m (32')	10m (32')	10m (32')
Cooling	Air	Water	Water	Water	Water	Water
Weight kg (lbs) excludes cable	0.85 (2 lbs.)	2.0 (4.4 lbs.)	2.0 (4.4 lbs.)	3 (6.6 lbs.)	6 (6.6 lbs.)	10.5 (23 lbs.)
Dimensions (mm)	280 x 85 x 45	340 x 80 x 100	360 x 120 x 41	412 x 165 x 43	497 x 230 x 57	360 x 330 x 61
Dimensions (inches)	11.6" x 2.75" x 1.8"	13.4" x 3.2" x 4"	14.2" x 4.8" x 1.6"	16.2" x 6.5" x 1.7"	19.5" x 9" x 2.25"	24.8" x 13" x 2.4"
Main Dimensions	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)	mm (inches)
A	65mm (2.6")	80mm (3.2")	98mm (3.9")	145mm (5.7")	195mm (7.7")	255mm (11.6")
B	35mm (1.4")	40mm (1.6")	47mm (1.9")	72mm (2.9")	97mm (3.9")	150mm (6")
C	12.5mm (0.5")	40mm (1.6")	41mm (1.6")	43mm (1.6")	57mm (2.5")	61mm (2.4")
D	280mm (11")	340mm (13.4")	360mm (14.2")	412mm (16.2")	497mm (19.5")	630mm (24.8")
E	32.5mm (1.2")	40mm (1.6")	49mm (1.95")	72.5mm (2.85")	97.5mm (3.85")	127.5mm (5.8")