



TIG - Without Filler Wire

Closed Chamber Welding Head

for welding of tube to tube joints





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Easy to use, highest quality and productivity



General Characteristics



Advantages

- Oxidation-free welds
- Optimised ergonomics, easy to use
- High duty cycle
- Respecting international standards and norms (EHEDG, ASME, FDA...)
- Compatible with all Polysoude™ Power Sources

Resulting from 50 years' experience in mastering welding technologies

Reversible hook for an enlarged range of clamping tolerances

Interchangeable flexible titanium Tube Clamp Inserts – TCI's™. Comply with standard tube O.D. sizes and tolerances, for hygienic and high purity requirements

Narrow welding head profile for use in areas with constrained axial and radial clearance

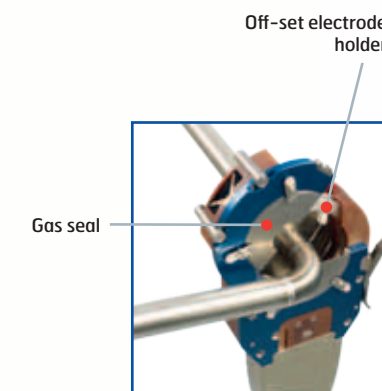
Closed loop regulation to ensure precise, constant or pulsed welding speed

Return-to-home feature: the electrode gear automatically returns to its loading position

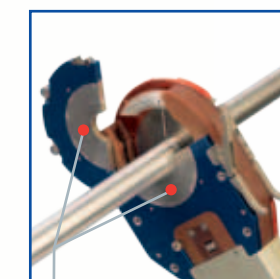
Particularly designed for high duty cycle applications by means of high temperature resistant materials and closed loop water cooling

Encoder for position based control of the welding program

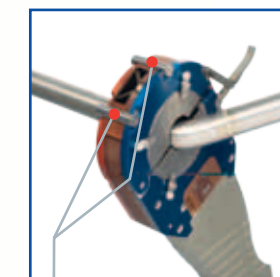
Remote control



Elbow kit



Flexible Titanium Tube Clamp Inserts – TCI's™



Reinforcement bars



Integrated remote control

Associated
Power
Sources



► PS 164-2

160 A, "all inclusive", portable, single-phase power supply



► P4

170 A, "modular", portable, programming by PC or touch screen, single-phase power supply

The Complete
Range



MW 40



MW 65



MW 115



MW 170

 Adapting to all your applications!



"Learning to use the equipment took me less than one day of training."

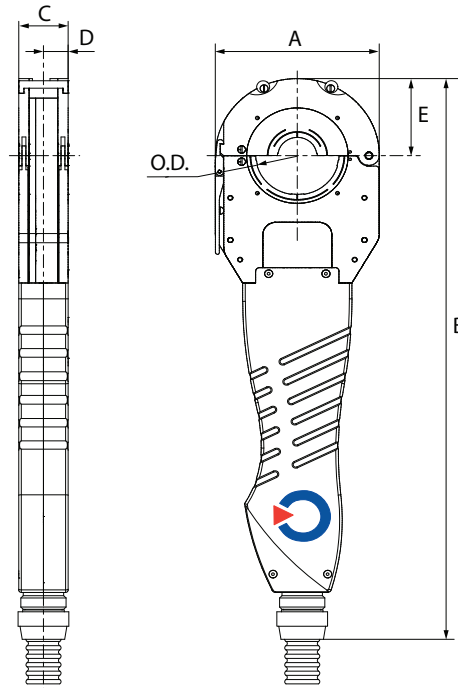


Technical Specifications

Type	Tube O.D. in mm / inches		Dimensions in mm					Net weight in kg
	from - to		A	B	C	D	E	
MW 40	6 - 40 mm	1/4" - 1 1/2"	100	430	38	19	50	6
MW 65	12 - 65 mm	1/2" - 2 1/2"	126	458	38	19	63	7
MW 115	25 - 115 mm	1" - 4 1/2"	200	547	46	23	100	9
MW 170	80 - 170 mm	3 1/8" - 6 5/8"	290	580	63	31,5	145	18

Type	Electrode off-set					
	1 – 5 mm		2 – 11 mm		3 – 5 mm	
	Max. tube O.D. in mm / inches					
MW 40	33,7 mm	1 - 5/16"	19,05 mm	3/4"	/	/
MW 65	60,3 mm	2 - 3/8"	42,4 mm	1 - 21/32"	/	/
MW 115	114,3 mm	4 - 1/2"	101,6 mm	4"	/	/
MW 170	/	/	/	/	168,3 mm	6- 5/8"

Cable length: 5,5 m



Options and Accessories

- Titanium Tube Clamp Inserts – TCI's™ for all tube and pipe O.D.s, available both in metric and imperial sizes
- Elbow-kit with off-set electrode holder, single sided tube clamping and gas seal, designed for fittings or components with short stick-out
- Extension cable (15 m)
- Dual welding head switch box
- Compact shipping case for transport and storage
- Tungsten electrodes, pre-sharpened and pre-cut



POLYSOUDE : Related Services

► Guidance and technical support

A welding application specialist in your area will advise you on the welding process and appropriate equipment for your application.

► Commissioning / Training

A complete training program will enable you to start using the equipment immediately and in the best way possible.

► Maintenance / Repair

Maintenance and repair operations can be carried out at the Polysoude plant as well as on site by our service network.

► Rental service

Increase the flexibility of your production! A large range of equipment is available for rental from our hire fleet.



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