Model 96

SELF-SUPPORTING TUBE-TO-TUBESHEET GTAW (TIG) WELD HEAD

AMI
AN **ESAB** BRAND

WATER COOLING

TRAVEL

THE WIDEST RANGE OF ORBITAL WELDING EQUIPMENT IN THE WORLD

The Model 96 is a compact, automated weld head designed for high-speed, high-production autogenous welding of tubes to tubesheet. Welds made with the Model 96, utilizing the GTAW (TIG) welding process, can pass the most rigid specifications.

The weld head is held in place on the tube to be welded by an expanding mandrel. This mandrel is actuated by a single button, conveniently located on the handle. Actuation of the mandrel holds the weld head firmly to the tubesheet and positions the torch concentric to the tube to be welded. The Model 96 features a completely enclosed purge chamber. The gas chamber eliminates the use of gas cups and provides superior shielding for materials which oxidize easily, such as titanium.

FUSION INDUSTRIES

- Semiconductor
- Bio and Pharmaceutical
- Aerospace
- Food and Dairy

FEATURES

- Welds on flush, slightly recessed or slightly projected without the use of filler wire
- Pulsed-current welding, and synchronized torch rotation
- Servo-controlled rotation
- Pneumatic mandrel operation
- Transparent or opaque purge chamber
- Self-supporting on tubesheet
- Complete coverage of weld area with inert gas
- Welds in any position, including overhead
- One-button operation, quick mount and dismount
- Water-cooled weld head

TUBE-TO-TUBESHEET GTAW (TIG) WELD HEAD

Visit **arcmachines.com** for more information.

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QUICK SPECS	
Tube Size Range	0.375" ID (9.525 mm) (min.) 1.87" ID (47.498 mm), 2.0" OD (50.8 mm) (max.)
Weld Current	Max. 150 ADC
Tungsten Size	1/16" or 3/32" (1.6 mm or 2.4 mm ø)
Travel/Rotation Speed	0.1 - 9.9 RPM
Weight	7 lbs. (3.17 kg)

COMPATIBLE AMI POWER SUPPLIES

The Model 96 is compatible with the following AMI Power Supplies:

Model 217P	Model 217 WDR
The Next Generation in Orbital Welding	Capturing The Heritage of the Model 207

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