

MODEL 9 SERIES (DOUBLE CLAMP) WELD HEADS



Ideal For:

- Welding tube or thin wall pipe from 0.093" (2,3mm) to 7.50" (190,5mm) O.D.
- Mini fittings and other applications with short stick-out.
- Food, dairy and bio-pharm fittings and components
- Aerospace, nuclear and other critical applications
- Straight lengths of tube or pipe or long-tangent fittings

Features:

- Compatible with all Arc Machines' power supplies
- Most weld heads have water cooling capability built-in.
- Tooling available for inch, metric and custom applications.
- Double clamp design eliminates the need to tack weld.
- When used with our water-cooled equipped power supplies, the internal weld head components and the weld head cables are cooled allowing high duty-cycle welding of wall thicknesses up to approximately 0.154" (3,9mm)
- Hinged sight window for unobstructed view of fit-up.

MODEL 9 SERIES (DOUBLE CLAMP) WELD HEADS

The family of Model 9 series weld heads can weld tube or thin wall pipe through the range of 0.093" (2,3mm) to 7.50" (190,5mm) O.D. The 9AF series can also weld ABW/ATW fittings and other components with short stick-out. An optional tungsten extender (mushroom) may accommodate parts too short to be welded in a standard Model 9 series head. Consult factory for details.

Model 9 heads incorporate a two-sided clamping mechanism. An independent set of clamps on each side of the weld head holds the tubes or fittings in line, butted together and ready to be welded. For most welding applications these clamps eliminate the need for pre-tacking. The clamps can be quickly and easily replaced with a different size, so each weld head can weld a wide range of tube or pipe sizes. Clamps are available in all standard inch and metric tube and pipe sizes. Customized or special configuration clamps are also available.

All Model 9 series weld heads (except the 9-250 and the 9-500) have water cooling capability built-in. When used with our water cooling equipped power supplies, the internal welding head components as well as the weld head cables are cooled, allowing high duty-cycle welding of wall thicknesses up to approximately 0.160" (4mm).



Model 9-500 weld head and Model 207A-HP (high-purity) power supply



Hinged sight window provides an unobstructed view of fit-up.

Conversion Kits for All Model 9 Weld Heads

Most Model 9 series weld heads may be converted to an alternate configuration (Model 9, 9AF, 9E, 9CT or 9AFM) by installing a conversion kit. For example: A Model 9-1500 may be converted to a 9E-1500, 9AF-1500, 9CT-1500, 9AFM-1500 or vice-versa. The conversion takes 5-10 minutes, using only a screwdriver and a hex wrench.

	Model 9AF	Model 9E	Model 9CT	Model 9AFM
Model 9-500/9-500C			X	
Model 9-750		X	X	X
Model 9-1500	X	X	X	X
Model 9-2500	X	X		
Model 9-3500	X	X		
Model 9-4500	X	X		
Model 9-7500	X	X		

Literature for Models 9E and 9CT is available.

The Model 9 Series Tube Weld Heads chart of dimensions is available upon request or online at:
www.arcmachines.com

ARC MACHINES, INC.