

# Contact Butt Fusion W Series Welders



SERIES:	W		
MODEL:	W4400:	50 – 160mm	(1-1/2" – 6")
	W4600:	75 – 250mm	(2-1/2" – 10")
	W4900:	90 – 315mm	(3" – 10")
	W5100:	200 – 450mm	(8" – 18")
	W5500:	200 – 500mm	(8" – 20")
	W6100:	315 – 6300mm	(10" – 24")
VOLTAGE:	W4400:	220 VAC/1 Phase/1 Plug	
	W4600:	220 VAC/1 Phase/1 Plug	
	W4900:	220 VAC/1 Phase/1 Plug	
	W5100:	220 VAC/1 Phase/1 Plug	
		(230 VAC / 3 Phase with included adapter)	
	W5500:	400 VAC/3 Phase/1 Plug	
	W6100:	400 VAC/3 Phase/1 Plug	



## features

- Ideal for PE, PP, PVDF and ECTFE butt fusion piping systems
- Compact design, ideal for inside trenches
- Breaks down to 3 clamps for tight spaces
- Rugged frame for industrial applications
- Adjustable speed to control change over time
- Adjustable heating element temperatures
- Powerful planer with safety shut-off switch
- Can do vertical or horizontal welds

The **W Series** is a hydraulic welding machine for heating element butt welding PE, PP, PVDF and ECTFE pipes and fittings for use on building sites and in trenches. The pipe clamps accept reducers for different pipe sizes.

The W Series hydraulic welder is a double clamping machine with two pipe clamps fastened to the steel pipe frame on either side of the weld area, the fixed side and the movable side guided by hydraulic cylinders. The outer fixed side clamp and base can be easily detached in order to weld in badly accessible places, such as piping repair work in trenches or branches of T-pieces. The electro-hydraulic unit moves the right-hand clamps, controls the welding forces and has a pressure backup for supporting the welding force during the cooling down, using two quick-disconnect hoses attached to the movable side of the welder. It also has a pressure gauge for the exact indication of the pressure. The planer is operated by suspending in the welder guide shafts, has a housed chain drive, a security micro switch with lock and an automatic external chip removal. The electronically controlled heating element is also operated by suspending in the guide shafts, has an anti-stick coating, digital display, control lamps, an on/off switch and a connection cable with shock-proof plug. The built-in separating device prevents the heating element from sticking to the pipe after the heating process. Both the heater and planer plug into the electro-hydraulic control box for convenience, avoiding multiple extension cords.

A heat-protected box is provided for the safe storage of the planer and the heating element. A metal box serves for the transport and the protected storage of the complete W-series welding kit.

Optional heating elements for dual-containment piping welding are available for model W4400 in 2x4 (110mm/63mm) and 3x6 (160mm/90mm) and model W4900 in 3x6 (160mm/90mm), 4x8 (200mm/110mm) and 6x10 (250mm/160mm).



## welder kit components

### Welding Machine / Clamping Inserts

	4400	4600	4900	5100	5500	6100
Capacity in mm	50-160	75-250	90-315	200-450	200-500	315-630
Basic machine	✓	✓	✓	✓	✓	✓
Hydraulic unit	✓	✓	✓	✓	✓	✓
Planer electric	✓	✓	✓	✓	✓	✓
Heating element	✓	✓	✓	✓	✓	✓
Heater/planer caddy	✓	✓	✓	✓	✓	✓
CNC unit or SPA controller	optional	optional	optional	optional	optional	optional
Transport case	✓	✓	✓	✓	✓	✓
Electric hoist	n/a	n/a	n/a	n/a	n/a	optional
Basic clamping tool	✓	✓	✓	✓	✓	✓
Reducer inserts 50mm	✓	n/a	n/a	n/a	n/a	n/a
Reducer inserts 63mm	✓	n/a	n/a	n/a	n/a	n/a
Reducer inserts 75mm	✓	✓	n/a	n/a	n/a	n/a
Reducer inserts 90mm	✓	✓	✓	n/a	n/a	n/a
Reducer inserts 110mm	✓	✓	✓	n/a	n/a	n/a
Reducer inserts 125mm	✓	✓	✓	n/a	n/a	n/a
Reducer inserts 140mm	✓	✓	✓	n/a	n/a	n/a
Reducer inserts 160mm	n/a	✓	✓	n/a	n/a	n/a
Reducer inserts 180mm	n/a	✓	✓	n/a	n/a	n/a
Reducer inserts 200mm	n/a	✓	✓	✓	✓	n/a
Reducer inserts 225mm	n/a	✓	✓	✓	✓	n/a
Reducer inserts 250mm	n/a	n/a	✓	✓	✓	n/a
Reducer inserts 280mm	n/a	n/a	✓	✓	✓	n/a
Reducer inserts 315mm	n/a	n/a	n/a	✓	✓	✓
Reducer inserts 355mm	n/a	n/a	n/a	✓	✓	✓
Reducer inserts 400mm	n/a	n/a	n/a	✓	✓	✓
Reducer inserts 450mm	n/a	n/a	n/a	n/a	✓	✓
Reducer inserts 500mm	n/a	n/a	n/a	n/a	n/a	✓
Reducer inserts 560mm	n/a	n/a	n/a	n/a	n/a	✓
Shipping weight kg/lbs.	44/97	45/99	106/234	145/320	145/320	195/430
Crate size cm	84x84x57	95x85x57	123x83x57	183x145x125	183x148x125	228x160x140