



Worldpoly450 HF

Worldpoly450 High Force is a hydraulically operated butt-welding machine suitable for PE pipes and fittings from 200 to 450mm OD, using high force welding methods according to ISO welding specifications. Excellent Australian Engineered design and construction provides a premium machine for welding both on the worksite and in the factory. The use of high quality pressure-cast Aluminium clamps allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Significantly increased force is available for drag when welding pipe strings, or on difficult sites. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work, and the machine is pre-wired for immediate integration with optional data logger, and overhead electric crane.



TECHNICAL SPECIFICATIONS

Welding range 200 to 450mm SDR 9 (PN20) to SDR 17. 200 to 250mm SDR 9 and 11 only.

Welds both high and low pressure according to ISO, ASTM, ANZ POP003, and DVS low pressure.

Complete and ready to weld with genuine 2 year warranty on parts

Included as standard (unless otherwise specified):

- Main frame, including 4 light weight pressure-cast alloy main clamps of 450mm diameter
- Removable cast Aluminium electric facing tool with current overload protection
- Electrohydraulic pump with controls, and quick release hoses. Includes countdown timers for heating and cooling phases
- PTFE coated heating plate with electronic temperature control (heating plate automatically separates from pipe ends after heating)
- Stand for heating plate and facing tool
- Tool box including tools, bolts, selected spare parts, etc
- German hydraulic seals
- Wired ready to accept Worldpoly or other data logger

Clamp options include (machine can be supplied with any combination of liner diameters):

Layer clamps: 450x400, 400x355, 355x315, 315x280, 280x250, 250x225, 225x200.

2-piece liners: 450x400, 450x355, 450x315, 450x280, 315x250, 315x225, 315x200.

Optional overhead electric crane. Check requirements for crane approval regarding your specific application.

Narrow clamps: 450x400, 450x355, 450x315, 450x280, 450x250, 450x225, 450x200.

400V 3 phase 50/60 Hz (10.5 kw 18.4 A).

Minimum generator required: 400 volt 3 phase 11 KVA. Provide full machine details to generator supplier before purchase.

Total cylinder area: 22.36cm², maximum pump pressure 160 bar

Please note that the Worldpoly High Force machines are not certified under CE requirements.

Please note technical specifications of Worldpoly machines may change without notice