



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 16 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

Nothing heavier than the facing tool can be lifted with this hoist.