



Worldpoly450 LF

Worldpoly450 hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 200 to 450mm OD (modification available to weld to 160mm SDR 9 & 11 only). Excellent design and construction provides a premium machine for welding both on the work site and in the factory. The use of high quality pressure-cast Aluminium castings allows for lower weight without compromising strength and performance, while providing extra strength when welding out-of-round pipe. Welding can be carried out between clamps 3 & 4 for tees, bends and manifold work. Can be immediately integrated with optional data logger and overhead electric crane.



TECHNICAL SPECIFICATIONS

Welding range 200 to 450mm: SDR 9 (PN20) to SDR 41 (PN4) according to DVS 2207-1, ISO 21307 and POP003 low-pressure specifications.

Complete and ready to weld - 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, 225x200mm
- 2-piece liners: 450x400, 450x355, 450x315, 450x280, 315x250, 315x225, 315x200mm
- Narrow clamps: 450x400, 450x355, 450x315, 450x280, 450x250, 450x225, 450x200

Optional stub end device for welding end fittings (available in aluminium or steel)

Optional wheeled trolley available

400V 50/60 Hz 3 phase (9.5 kw 17 A) also available as 220 volt 50/60 hz (9.8 kw 22.9 A)

Minimum generator required: 400 volt 3 phase 14 KVA (or as 230 volt 1 phase - 13 KVA). Provide full machine details to generator supplier before purchase.

Weight 776kg (including crane and stub device)

Total cylinder area: 22.36cm², maximum pump pressure 120 bar

Australia only - This machine is supplied tested & tagged with a 32amp plug

Please note technical specifications of Worldpoly machines may change without notice