



Worldpoly315 HF

Worldpoly 315 / 12" High force is a hydraulically operated butt-welding machine suitable for PE and PP pipes and fittings from 90 to 315mm OD (alternatively 3" to 12" IPS), using both high and low force welding methods. 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 construction 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.

TECHNICAL SPECIFICATIONS

Welding range 90 to 315mm SDR 9 (PN20) to SDR 17. 90 to 160mm 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 - Genuine 2 year warranty on parts

Included as standard (unless otherwise specified):

- Main frame, including 4 light weight pressure-cast alloy main clamps of 160mm 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):

- 2-piece liners: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 160x140, 160x125, 160x110, 160x90.
- Narrow clamps: 315x280, 315x250, 315x225, 315x200, 315x180, 315x160, 315x140, 315x125, 315x110, 315x90.

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

230 volt 50/60 Hz 1 phase (6.2 kw 19.8 A)

Requires generator minimum 230 volt 9 KVA - provide full machine details to generator supplier before purchase

Total cylinder section 20 cm², maximum pump pressure 120 bar

Net weight 355 kg

Australia only - This machine is supplied tested & tagged with 2 x 20 amp plugs