



Worldpoly1200 Hydra LF

Worldpoly1200 Hydra LF hydraulically operated low force butt-welding machine provides an ideal machine for butt welding PE & PP pipes and fittings diameter 630 to 1200. The machine is the result of more than 60 consecutive years of direct involvement in the PE pipe industry, providing premium equipment for welding both on the work-site and in the factory. The use of virgin Aluminium castings and German hydraulic seals allows for lower weight without compromising strength and performance. Operation is via our portable wired console. This machine comes with high quality hinged steel main clamps & hydraulic open/close & locking. Includes Remote Monitoring System for on-line assistance; PLC control of temperature; time and pressure; on-board data logging and the ability to weld between clamps 2 & 3 or 3 & 4 making this an exceptionally versatile machine.

TECHNICAL SPECIFICATIONS

Welding range 630 to 1200mm/24" to 48" IPS to SDR 11 (PN16), 630 to 800mm to SDR 9

Welding force maximum 1200mm/48" OD SDR 11, according to ISO 21307 and and POP003 Single Low Pressure specifications.

Hydraulic open/close/locking main clamps.

Tablet controlled CNC operation. Choose welding standard, pipe OD and wall thickness or SDR - Temperature, time and pressure are automatically controlled.

20,000+ weld data logging as standard.

Main frame includes 4 steel, hydraulically operated main clamps of 1200mm/48" diameter.

IPS machine includes two-piece clamps (4 circles), including 48"x42", 42"x40", 40"x36", 36"x32", 32"x28", 28"x24".

Metric machine includes layer clamps (4 circles), including 1200x1000, 1200x900, 1200x800, 800x710, 800x630mm

Aluminium PTFE coated heating plate and electrically operated facing tool are manually inserted and removed during welding operation.

Electro Hydraulic pump with controls, accumulator and quick release hoses. Includes countdown timers for heating and cooling phases.

Genuine 2 year international warranty.

Optional steel stub device for welding end fittings, wheeled trolley and on-board diesel generator available.

Tool box including tools, bolts etc.

400 volt 3 phase 50/60 Hz (30.6 kw, 47.6 A). Alt. 480 volt 3 phase 60 Hz.

Minimum generator required: 400 volt 3 phase 50 hz, 32 KVA. Provide full machine details to generator supplier before purchase.

Alternative 480 volt 3 phase 60 hz

Weight 6000 kg.

Total cylinder area: 56 cm², maximum pump pressure 180 bar. Optional 120 cm² x 200 bar.

Please note technical specifications of Worldpoly machines may change without notice

