AUSTRALIAN ENGINEERED FOR A TOUGH WORLD

WORLDPOLY
POLYETHYLENE PIPE WELDING EQUIPMENT





Worldpoly1200 Hydra HF

Worldpoly1200 Hydra HF hydraulically operated high and low force butt-welding unit provides an ideal machine for butt welding PE & PP pipes and fittings diameter 630 to 1200. Welds according to ISO high force requirements (& optional ASTM standard). 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: SDR 11 (PN16) to SDR 41 (PN4). 630 to 800mm: SDR 9 to SDR 41.
Welding force maximum 1200mm/48" OD SDR 11, according to ISO 21307 and and POP003 Single Low Pressure specifications.
Complete and ready to weld.
Hydraulic open/close/locking main clamps.
Tablet controlled CNC operation. Choose welding satandard, pipe OD and waall or SDR, the temperature, time and pressure are automatically controlled.
20,000+ weld data logging as standard.
Main frame includes 4 light weight alloy 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 two-piece clamps (4 circles), including 1200x1000, 1200x900, 1200x800, 800x710, 800x630mm
Aluminium PTFE coated heating plate and electrically operated facing tool is hydraulically inserted and removed during welding operation.
Electrohydraulic 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.
Tool box including tools, bolts etc.
Optional wheeled trolley and on-board diesel generator available.
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: XXX cm², maximum pump pressure 180 bar. Optional cylinder sections possible
Please note technical specifications of Worldpoly machines may change without notice

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