

RIYANG V Series Manual Hydraulic Machine



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The V series manual hydraulic butt welding machines are applied to joint PE, PP, PPR and PVDF pipes and moulded fittings. Selection of components with a long service life ensures a low maintenance and repair, friendly and reliable operation. It makes more possibilities through upgrading the machine to data logged enabled with installation of an RIYANG data logger.

- The control panel centralized in the hydraulic unit enables operators to set welding parameter and execute welding procedure conveniently. Also available with digital temperature control for heating plate and a refined large readable pressure gauge.
- All connections sockets are located at the back of hydraulic unit, including sockets for trimmer tool and heating plate. Additional USB charging port is ready for charging your mobile phone when power off.
- All RIYANG manual hydraulic butt welding machine can easily be upgraded with RIYANG data logger for welding parameter setting, viewing, monitoring and recording. So it will comply with main gas welding requirements for data recording and report printing. No need to use full automatic machine.

All machine components are covered by RIYANG warranty



Hydraulic unit with detachable frame



Unique Teflon coated heating plate



Centralized temperature controller with On/Off button



RIYANG aluminum reducing inserts



All connection sockets at the back of unit
USB charging port ready for phone and pad



Aluminum stub end device

RIYANG Manual Hydraulic Characteristics

Welding control system		Welding temperature monitored by temperature controller	
Hydraulic unit		• Only one external power supply needed, all connections installed at the back of the unit. • Temperature controller at hydraulic unit, adjustable by easy operation. • Hydraulic unit encased by detachable frame, easier maintenance and repair. • Max. Pressure, up to O.D. 355mm, 80bar; O.D. 450mm to 630mm, 120bar; O.D. 800-1200mm, 160bar. • Accurate and maintenance-free gauge showing the welding pressure. • USB charging port ready for your mobile phone or Pad. • Quick and easy upgrade of hydraulic unit with RIYANG data logger for welding report.	
Approval certification		CE, ISO9001:2008	
Warranty period		2 years	

Technical Parameters	V160	V200	V250	V315	V355
Welding Range O.D. (mm)	63 - 160	63 - 200	(75)* 90 - 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	90 - 315	90 - 355
Reducer Inserts	63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	63, 75, 90, 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	(75)* 90 - 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	(75)* 90 - 110, 125, 140, 160, 180, 200, 225, 250, 280, 315	(75)* 90 - 110, 125, 140, 160, 180, 200, 225, 250, 280, 315
Power Supply	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
Rated Power (kW)	2.5	3.0	4.25	5.25	5.75
Piston Area (cm²)	6.27	6.27	10.99	20.02	20.02
Overall N.W./G.W. (kg)	96 124	110 140	137 163	189 234	208 256
Standard Configuration					
Basic Machine Chassis	•	•	•	•	•
Trimmer	•	•	•	•	•
PTFE-Coated Heating Plate	•	•	•	•	•
Temperature Controller	•	•	•	•	•
Support Bracket	•	•	•	•	•
Aluminum Reducers	•	•	•	•	•
USB Charging Port	•	•	•	•	•
Detach Device	—	—	—	•	•
Transport Plywood Box	•	•	•	•	•
Optional Configuration					
Stub End Device	o	o	o	o	o
Data Logger	o	o	o	o	o
ISO Reducer Inserts	o	o	o	o	o
Single Inserts	o	o	o	o	o
Support Roller	o	o	o	o	o

* Available as option

— Not available

• Standard

o Optional