PE WELDING EQUIPMENT · BUTT FUSION

Ritmo BASIC 250 Butt Fusion Machine

Self-aligning hydraulic butt fusion machine for welding pressure pipes from Ø75 to Ø250 mm, with Ritmo's patented SMARTLock adapter system.

Ø75 – Ø250 MM | 230 V · 3450 W | 5.5 – 6 KVA GEN. | SMARTLOCK



FEATURES

- Self-aligning hydraulic butt fusion machine for pressure pipes carrying water, gas and other fluids
- Built to international standards UNI 10565 and ISO 12176-1
- Machine body with supporting frame, four clamps and two hydraulic cylinders with fast non-drip couplings; SMARTLock fast-locking adapter system, patented by Ritmo
- PTFE-coated heating plate with independent thermometer and "Digital Dragon" high-precision thermoregulator (±1 °C), digital display and LED status indicators
- Extractable electric milling cutter with safety micro-switch and thermal circuit breaker
- Electro-hydraulic gearcase with clamp control lever, maximum pressure and discharge valves (suits "Dual Pressure" welding), non-drip hoses and timer
- Preset for connection to THE INSPECTOR electronic data-logger
- Welds fittings such as elbows, tees, Y-branches and flange necks

STANDARD COMPOSITION


Machine body


Detach device for heater


Gearcase


Heating plate with Digital Dragon


Milling cutter


Support

Also supplied: Inserts Ø2" – 8" IPS; 3" – 8" DIPS · Pre-insulated bag for heating plate · Trolley for milling cutter / heating plate · Wooden case for inserts

TECHNICAL FEATURES

Parameter	Value
Working range	Ø75 – Ø250 mm · 2" IPS – 8" DIPS
Materials	HDPE, PP, PP-R, PB, PVDF — for other materials contact Ritmo
Power supply	230 V single phase 50/60 Hz
Total absorbed power	3450 W
Suggested power generator	5.5 – 6 kVA
Working temperature	180 – 280 °C (356 – 536 °F)
Outside temperature range	-10 – 40 °C (14 – 104 °F)
Time to reach welding temperature	< 20 min
Dimensions machine body (W × D × H)	850 × 470 × 400 mm
Weight machine body	63 kg (139 lb)
Weight standard composition	124 kg (273.4 lb)

ON REQUEST

- THE INSPECTOR data-logging
- Trolley for machine body
- Tool for flange necks
- Inserts Ø75 – Ø225 mm
- Top clamp short elbows / tee
- Rollers

The information and photos in this publication are not binding and Ritmo S.p.A. is free to make any alterations without prior notice. Global Water Group — your trusted Ritmo distributor for PE welding solutions.

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