ELECTROFUSION WELDING MACHINE

ELEKTRA XL

Universal Electrofusion Welding Machine



High-performance, reduced-weight electrofusion machine for PE, PP and PP-R fittings up to OD 1600mm, with laser barcode reading to ISO 13950 and full ISO 12176 weld traceability.

- Range 20–1600mm
- Materials PE, PP, PP-R
- Output 8–48V or 8–80V
- Supply 230V
- Weight 6.75kg
- Protection IP 54

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Global Water Group is an authorised Ritmo distributor for plastic welding equipment in Australia.

SECTION 01

Overview

ELEKTRA XL is a universal electrofusion machine characterised by high performance and reduced weight. Running on a 230V supply, it is designed to weld EF fittings up to OD 1600mm for PE, PP and PP-R high pressure pipelines, available in two welding output ranges — 8–48V or 8–80V — to suit the fitting.

KEY FEATURES

- High resistance technopolymer shell
- "Defender" protection against dust & rain, with removable filter
- Lifting handle and cable wrapping
- In-built memory of 4000 welding reports
- Welding report download via USB — PDF, CSV, BIN format
- USB port also upgrades firmware & drives an ESC-POS printer
- 2.4" LCD graphic display
- Intuitive control panel, customisable menu in 20 languages
- 90° universal connectors 4.0–4.7mm — no adapters needed
- Laser barcode scanner, sets parameters to ISO 13950 automatically
- Manual entry of welding parameters (voltage/time) & barcode digits
- Traceability to ISO 12176-3 (operator) & ISO 12176-4 (fitting/pipe)
- In-built GPS device available on request.

STANDARD COMPOSITION



90° Universal Connectors 4.0–4.7mm



Laser Scanner



Manual Scraper



Carrying Case



ON REQUEST
Ritmo Transfer Software

SECTION 02

Technical Specifications

Model	**ELEKTRA XL**
Working range *	20–1600mm
Materials	PE, PP, PP-R
Welding output voltage *	8–48V or 8–80V
Power supply	230V ±15% Single Phase 50/60Hz
Absorbed power **	3500W (230V)
Max. output current	120A (230V)
60% Duty Cycle output (ISO 12176-2)	95A
Operating mode	ISO 13950 welding barcode · Manual (barcode digits, tension/time)
Connections	USB port for the pen drive and for the ESC-POS printer
Memory	4000 welding reports
Ambient temperature	-20° to 50°C
T° probe precision	±1°C
Traceability	ISO 12176-3 · ISO 12176-4
Protection degree	IP 54
Languages	20
Dimensions, machine body	246 × 390 × 240mm
Dimensions, carrying case	290 × 445 × 295mm
Weight, machine body	6.75kg
Weight, body + cables + scanner	9.4kg
Recommended generator	6.5–7 kVA

* Working range might vary according to fittings brand. Check with the fitting manufacturer the power and welding time required. ** Power at 60% duty cycle.



SECTION 03

Electrofusion Accessories

Ritmo electrofusion — the complete system around your construction site.



Aligners

Up to Ø500mm



Pipe Scrapers

Up to Ø710mm



Shears

Up to Ø75mm



Pipe Cutter

Up to Ø315mm



Squeezers

Up to Ø200mm



Rerounders

Up to Ø800mm



Pipe Support

Up to Ø400mm



Bevelers

Up to Ø315mm

Talk to GWG about your welding equipment

Global Water Group is your trusted Ritmo distributor for PE welding solutions.