

Acu-Tech EFD160 Electrofusion Drainage Welder



New technology has led to the development of a generation of HDPE electrofusion welding products that boast an array of unique and revolutionary features. Acu-Tech's EFD160 drainage welder has been designed and built by a reputable company in Germany, with the low weight and compact dimensions not compromising the top-notch performance ability and unconditional reliability.

The EFD160 drainage welder is designed exclusively for electrofusion jointing of PE discharge lines up to 160mm diameter, making it perfect for low-pressure HDPE pipes and fittings, used in the plumbing and drainage industry. The EFD160 drainage welder weighs only 1.7 kg, allowing it to be carried with ease around the job site. Its compact dimensions make it highly portable, and suited to demanding work environments.

The inbuilt welding monitoring system automatically controls and monitors the welding process. The success or failure of the weld is indicated by the three LED lights on the control panel, and the display screen. The large start and stop buttons are colour coded for simple and fast recognition.



Key features:

- Welding range of 32mm to 160 mm pipe diameter E.F. drainage fittings.
- Extremely portable - weighs just 1.7 Kg.
- Display screen is visible in the dark and works in extreme temperatures.
- Easy to use – it can hang by the handle or lay on its back for better access.
- Comes with a canvas carry bag.
- Data input by contact identification.
- In-built welding monitoring system.
- 7 segment characters display screen, to show welding times and error-messages.
- Automatically self-tests upon power-up.
- Audible signal and LED lights indicate the success or failure of the weld.
- Compatible with Geberit, Valsir, Coes, Vulcathene-Euro, Akatherm-EUR, and Waviduo fittings up to 160mm diameter.
- Intended to be used for indoor installation applications only.



EFD160 Drainage Welder Specifications

Welding Range	Diameters up to 160 mm.
Data Input	Contact Identification only.
Welding Monitoring System Parameters	Welding voltage, resistance, welding current, established contact, system error, short circuit, ambient temperature, power supply issues, fitting error.
Traceability	Manual (data logging not available).
Display	Robust display screen with 7 segment characters.
Data Output	LED light verification & audible alert.
Input/Output Voltage	230 V.
Output Current	Max. 5 A.
Input Frequency	50 - 60 Hz.
Input Current	Max 10 A.
Approvals/Quality/Ingress protection	CE, WEEE Reg. No. DE 74849106, ISO 9001, RoHS-compliant, IP 54.
Languages	English, German, Italian.
Temperature Range	-5°C to 70°C+
Power Cord	2.9 m with Australian plug.
Welding Cable	2.3 m with drainage connection terminals.
Weight	1.7 Kg
Dimensions	W 165 x H 200 x D 85 mm
Warranty & Service	12 months warranty. Recommended service is at least every 12 months.
Product Code	EFD160 – Electrofusion Drainage Welder (EF300 – Electrofusion Pressure Welder) (EF300GPS – Pressure Welder with GPS)
For Service & Sales in Australia	Acu-Tech Piping Systems www.acu-tech.com.au 1300 270 270 119 Kelvin Rd, Maddington, WA 6109

The EFD160 Drainage Welder cannot be used for E.F. pressure fittings, and E.F. Pressure Welders cannot be used for non-pressure E.F. drainage fittings. For electrofusion welding of HDPE pressure pipes and fittings, it is recommend to use the Acu-Tech EF300 Pressure Welder. Contact Acu-Tech Piping Systems for more information.

All persons using this welder must be properly qualified, use common sense, and follow the instructions in the EFD160 Drainage Welder Operating Manual, else serious injury may occur to the operator or others.