



Sync FusionTech



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ELECTROFUSION WELDING MACHINE

Electrofusion welding machines are universal devices for joining pipes and fittings made of thermoplastics (PE, PP, PVDF PB) by resistance welding using electrofusion fittings. They are used in the construction and repair of gas pipelines, water mains, sewerage systems and industrial installations. Thanks to the automatic welding process, welding is easy and the resulting joint is of high quality and reliability. The device is very popular among installers making connections of buildings to gas and water supply networks.

ZEEN-800 PLUS

Welding machine with welding parameters recoding system

TECHNICAL PARAMETERS

| | |
|--|---|
| Approximate range of welded diameters | ~Ø160mm |
| Power supply | AC 230 [V](+10/-15%), 50[Hz](+10%) |
| Max fitting power | ~1450 W |
| Weight | 13 kg |
| Dimensions | 390 x 240 x 160 mm |
| Welding voltage | 8÷44V |
| Max. weldings current | 60 A |
| Working temperature | -5/+50 °C |
| Interchangeable welding adaptors | Ø4, Ø4.7 [mm] |
| Protection class | IP 54 |
| Barcode scanner wire/wireless | Optional ✓/✓ |
| Memory | 3000 weldings |
| GPS registration (aerial) | Optional |
| Possibility of printing the protocol | ✓ |
| Suggested power generator | 3 kW |
| Built-in rechargeable battery | ✗ |
| Possibility of data transmission on a memory stick | |
| Communication with PC | USB cable |
| Calibration reminder | ✓ |
| Automatic welding time compensation | ✓ |
| Traceability function | ✓ |
| LCD display (2x16) | ✓ |
| Available user language | PL, ENG, RU, GER, HU, FR, RO, NO, IT, RO, LT, ESP, CZ, SK |
| Possibility of manual programming | ✓ |
| Available data transmission ports | USB type A, USB type B, M12 |
| Possibility of software update by the user | ✓ |
| Welding and power cables | 3m/3m |



ABOUT

The device supports fittings used in the plumbing and gas industry. It allows four programming modes: manual, scanner, barcode manual, as last. Permanently mounted in a metal transport box, which protects against mechanical damage, sand, rain, and also guarantees convenient transportation of the device. Simple and clear operation of the welding machine control programme. Possibility to connect a barcode scanner (equipment option). Transformer temperature measurement system, protects the welder from overheating.

OPTIONAL EQUIPMENT

- Hand scraper
- Barcode scanner
- Cleaning wipes for welded joints
- Pipe squeezer ZRRN-90 (Ø32÷90mm)
- Mounting clamps with joint (PUZN-90L, PUZN-160L)
- Pipe scissors (Ø16÷63mm)
- Pipe cutter (Ø6÷76mm)
- Pipe cutter (Ø50÷140mm)
- Pipe cutter (Ø110÷160mm)
- Pipe beveler (Ø16÷110mm)
- Pipe beveler (Ø32÷250mm)
- Mechanical scraper (Ø32-160mm, Ø75÷200mm, Ø63-400mm)
- Hydraulic pipe squeezer ZHRN-160 (Ø90÷160mm) SDR11 and SDR17
- Quick assembly shelter tent 3x3 [m]
- Power generator FOGO FH3001R with voltage stabilisation system



ELECTROFUSION WELDING MACHINE

Electrofusion welding machines are universal devices for joining pipes and fittings made of thermoplastics (PE, PP, PVDF PB) by resistance welding using electrofusion fittings. They are used in the construction and repair of gas pipelines, water mains, sewerage systems and industrial installations. Thanks to the automatic welding process, welding is easy and the resulting joint is of high quality and reliability. The device is very popular among installers making connections of buildings to gas and water supply networks.

ZEEN-2000 PLUS

Welding machine with welding parameters recoding system

TECHNICAL PARAMETERS

| | |
|--|---|
| Approximate range of welded diameters | ~0400 mm |
| Power supply | AC 230 [V](+10/-15%), 50[Hz](+10%) |
| Max. fitting power | ~3000 W |
| Weight | 21 kg |
| Dimensions | 430 x 280 x 180 mm |
| Welding voltage | 8÷48V |
| Max. welding current | 80 A |
| Working temperature | -5/+50 °C |
| Interchangeable weldings adaptors | 04, 04.7 [mm] |
| Protection class | IP 54 |
| Barcode scanner wire/wireless | Optional ✓/✓ |
| Memory | 3000 weldings |
| GPS registration (aerial) | Optional |
| Possibility of printing the protocol | ✓ |
| Suggested power generator | 5 kW |
| Built-in rechargeable battery | ✗ |
| Possibility of data transmission on a memory stick | ✓ |
| Communication with PC | USB cable |
| Calibration reminder | ✓ |
| Automatic welding time compensation | ✓ |
| Traceability function | ✓ |
| LCD display (2x16) | ✓ |
| Available user language | PL, ENG, RU, GER, HU, FR, RO, NO, IT, RD, LT, ESP, CZ, SK |
| Possibility of manual programming | ✓ |
| Available data transmission ports | USB type A, USB type B, M12 |
| Possibility of software update by the user | ✓ |
| Welding and power cables | 4m/4m |



ABOUT

The device supports fittings used in the plumbing and gas industry. It allows four programming modes: manual, scanner, barcode manual, as last. Permanently mounted in a metal transport box, which protects against mechanical damage, sand, rain, and also guarantees convenient transportation of the device. Simple and clear operation of the welding machine control programme. Possibility to connect a barcode scanner (equipment option). Transformer temperature measurement system, protects the welder from overheating.

OPTIONAL EQUIPMENT

- Hand scraper
- Barcode scanner
- Cleaning wipes for welded joints
- Pipe squeezer ZRRN-90 (Ø32÷90mm)
- Mounting clamps with joint (PUZN-90L, PUZN-160L)
- Pipe scissors (Ø16÷63mm)
- Pipe cutter (Ø6÷76mm)
- Pipe cutter (Ø50÷140mm)
- Pipe cutter (Ø110÷160mm)
- Pipe beveler (Ø16÷110mm)
- Pipe beveler (Ø32÷250mm)
- Mechanical scraper (Ø32÷160mm, Ø63÷400mm)
- Hydraulic pipe squeezer ZHRN-160 (Ø90÷160mm) SDR11 and SDR17
- Quick assembly shelter tent 3x3 [m]
- Power generator FOGO FH6001R with voltage stabilisation system



ELECTROFUSION WELDING MACHINE

Electrofusion welding machines are universal devices for joining pipes and fittings of thermoplastics (PE, PP, PVDF PB) by resistance welding using electrofusion fittings. Thanks to the automatic welding process, welding is easy and the connection is of high quality and reliability. The equipment is ideal for the construction of new networks and the repair or extension of existing networks. Dedicated to water supply units, municipalities and private companies that will encounter the largest diameters of PE pipelines.

ZEEN-3000 PLUS

Welding machine with welding parameters recoding system

TECHNICAL PARAMETERS

| | |
|--|---|
| Approximate range of welded diameters | ~Ø1200 mm |
| Power supply | AC 230 [V](+10/-15%), 50[Hz](+10%) |
| Max. fitting power | ~5000 W |
| Weight | 21 kg |
| Dimensions | 270 x 270 x 330 mm |
| Welding voltage | 8÷48V |
| Max. weldings current | 100 A |
| Working temperature | -5/+50 °C |
| Interchangeable weldings adaptors | Ø4, Ø4.7 [mm] |
| Protection class | IP 54 |
| Barcode scanner wire/wireless | Optional ✓/✓ |
| Memory | 3000 weldings |
| GPS registration (aerial) | Optional |
| Possibility of printing the protocol | ✓ |
| Suggested power generator | 8 kW |
| Built-in rechargeable battery | ✗ |
| Possibility of data transmission on a memory stick | ✓ |
| Communication with PC | USB cable |
| Calibration reminder | ✓ |
| Automatic welding time compensation | ✓ |
| Traceability function | ✓ |
| LCD display (2x16) | ✓ |
| Available user language | PL, ENG, RU, GER, HU, FR, RO, NO, IT, RO, LT, ESP, CZ, SK |
| Possibility of manual programming | ✓ |
| Available data transmission ports | USB A, B, M12 |
| Possibility of software update by the user | ✓ |
| Welding and power cables | 4m/4m |
| Power plug | 32A 2P+7 |
| Active fan cooling system | ✓ |



ABOUT

The device supports fittings used in the plumbing and gas industry. It allows four programming modes: manual, scanner, barcode manual, as last. The welder's aluminium housing and built-in fan facilitate transformer cooling. A plywood transport box is included to protect against mechanical damage and to ensure convenient transport and storage of the machine. Simple and clear operation of the welding machine control programme. Possibility to connect a barcode scanner (optional accessory). The temperature measurement system of the transformer protects the welder from overheating.

OPTIONAL EQUIPMENT

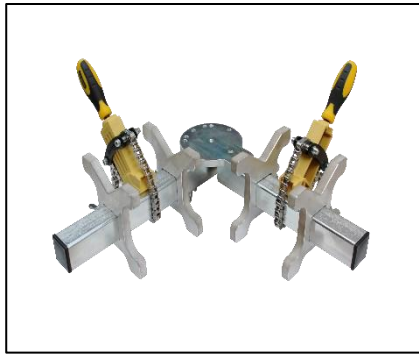
- Hand scraper
- Barcode scanner
- Cleaning wipes for welded joints
- Pipe squeezer ZRRN-90 (Ø32÷90mm)
- Mounting clamps with joint (PUZN-90L, PUZN-160L)
- Pipe scissors (Ø16÷63mm)
- Pipe cutter (Ø6÷76mm)
- Pipe cutter (Ø50÷140mm)
- Pipe cutter (Ø110÷160mm)
- Pipe beveler (Ø16÷110mm)
- Pipe beveler (Ø32÷250mm)
- Mechanical scraper (Ø32÷160mm, Ø63÷400mm)
- Hydraulic pipe squeezer ZHRN-160 (Ø90÷160mm) SDR11 and SDR17
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PRODUCTS



Power Generator



Electrofusion welding



Hydraulic clamp for pipes



Hydraulic clamp for HDPE



Wending machine



Oxide layer removing device



Tourist tent



Manual stripper



Garden Scissors



Barcode reader



Beveller for pipes



Steel pipe cutter

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