

Electrofusion Welding Unit 2.0

and accessories

Georg Fischer



All ELGEF+ and ES16 fittings can be welded using the electrofusion welding unit. The Georg Fischer equipment is sold or hired by Netafim. It is important to read the operating instructions thoroughly before using the unit.

APPLICATION

High-quality PE joints

CHARACTERISTICS

- ✓ Simple operation
- ✓ Sturdy housing, but lightweight unit
- ✓ Large and clear digital display with pictograms and international symbols
- ✓ High safety and quality under all conditions
- ✓ Settings are read off from the special bar code sticker on the ELGEF+ and ES16 electrofusion welded fitting
- ✓ Operates on safety current (welding voltage 8 - 48 VAC)
- ✓ Standard welded fitting connection 4 mm (option: 4.7mm reducing fitting available)

TECHNICAL DATA

General data

	MSA 2.0
Welding data: barcode scanner	+
Welding data: manual input	+
Storage of welding data: barcode scanner	+
Storage of welding data: manual input	+
Display	LCD
Display contrast adjustability	+
Display lightning	+
Error message in text form	+

Electrical data: input

Tension	VAC	190-265
Current	A	16
Frequency	Hz	40-70
Power controller		+

Electrical data : Output

Tension	V	8-42 (48)
Current	A	90

Other data

Automatic temperature compensation		+
Temperature range	°C	-20 tot 50
Protection class		IP65
Power cable length	m	4
Welding cable length	m	3
Patented active transformer cooling		+
Dimensions (W/H/T)	cm	280/420/280
Weight including cables	kg	11,9

Peeling Unit FWSG 225 and 63

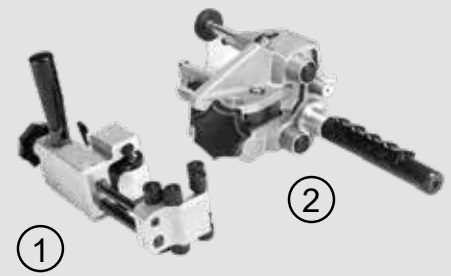
In preparation for the welding of PE63, PE80 and PE100 pipes with electrofusion welded fittings, the oxidation layer (0.2 mm) must be removed from the pipe sections to be welded. This can be done using special peeling units.

The following can be supplied and hired:

1. **FWSG 63**: Suitable for both pipe ends and welding saddles, size 20 to 63 mm.
2. **FWSG 225**: Suitable for pipe ends in sizes from 75 to 250 mm diameter (SDR17 only in size 250).

CHARACTERISTICS

- ✓ Supplied in a practical aluminium transport case including one set of spare blades
- ✓ Also available as a set with both peeling units



Rotary Scraper RS

The Rotary Scraper RS is suitable for PE80 and PE100 as well as for both pipe ends and the middle of the pipe (welding saddles). One rotary scraper is available per diameter.

CHARACTERISTICS

- ✓ Supplied in luxury transport case with instruction manual
- ✓ Available in sizes 63, 75, 90, 110, 125, 160, 200 and 225 mm

Fixing clamp

The function of the fixing clamp is to prevent the PE pipe from moving during the cooling period while maintaining the necessary pressure during welding and cooling. This is necessary for a good weld.

CHARACTERISTICS

- ✓ Available as a double clamp (more user-friendly) or 4-jaw clamp (for better positioning)
- ✓ The double clamp is available for 63 - 125 and 110 - 225 mm pipes
- ✓ The 4-jaw clamp is available for 63 - 125, 110 - 225 and 225 - 400 mm pipes
- ✓ The 4-jaw clamp is suitable for welding PE off the reel



PE Cleaning Cloths

Cleaning cloths are used to clean the PE pipe after scraping. Cleaning also removes the static charge from the end of the pipe so that it attracts less dust. Fittings that are taken straight from the packaging do not have to be cleaned. If the fittings have been taken out of the packaging earlier or have been touched with fingers, it is also necessary to clean the inside of the fitting end to prevent dirt being trapped in the weld during welding.

CHARACTERISTICS

- ✓ Box with 100 Tangit or Griffon cloths