

MSA 230

Fitting the ELGEF Plus family



Basic electrofusion control unit

The MSA 230 is a single voltage electrofusion unit made for easy management of the whole product range of ELGEF Plus fittings, up to d800 mm. The reliable process controls the energy output, including automatic ambient temperature compensation when fusion parameters are acquired via barcode scanner.

All relevant welding information are captured by the device and saved permanently in the internal memory for up to 350 fusion protocols.

Recorded data can be transferred to a PC/Printer in text format using the RS232 DIN interface.

In-depth analysis can be done by using the mini Welding Book software application on a PC.

The user interface, based on LCD display and a few buttons, is kept simple and can be switched to the operator language. English, French, German, Italian, Polish, Spanish and more are supported.

Safety is ensured by the IP54 protection rate against water and dust, and a thermal protected ON /OFF electrical switch.

MSA 230 technical specifications

Fittings dimension range	16 - 800 mm
Multiple weldings in sequence	✓

Operating conditions

Working temperature range	-15°C +45°C
---------------------------	-------------

Electrical data

Input voltage range / frequency range	190 - 265 V / 50/60 Hz
Current consumption (max)	16 A
Output voltage	39 - 40 V
Output current (max)	90 A
Input power	3.5 kW
Protection factor	IP54 / class 1

Fusion data input

Barcode scanner	Optional
Manual fusion input	✓

Interface and data

Display	LCD
Acoustic alert	✓
Electrical ON/OFF Switch	✓
Fusion protocols	350
Communication port	RS 232
Data transfer cable	Optional

Mechanical data

Dimensions	280 x 480 x 240 mm
Weight	19 kg
Mains cable length	4 m
Fusion cable length	3 m
Mains plug	Schuko 16A
Connectors	4 mm, 90° angle
Adapters	4.0 - 4.7 mm
Cable drum	Optional

Norms compliance

EMC (EN61000)	✓
Safety (EN60335)	✓
ISO 13950	✓
ISO 12176-2/3	✓

Perfect fit

MSA 230 is made for electro-fusion jointing of water and gas fittings and works perfectly in tandem with ELGEF Plus family

Easy to use

MSA 230 is made for installers who want to be fast during their daily work. The intuitive user interface with the option of reading the operator badge makes the unit very simple to use.



Comfortable design

The fusion unit is balanced in weight and the design of the handle ensures ergonomic handling and transportation. The robust design of the die cast aluminum housing protects the machine, providing excellent heat dissipation to weld in series. All annoying sharp edges have been eliminated and thanks to the compact housing, usage in cramped spaces or on uneven ground is no problem. The cables can be quickly wrapped around the handle when moving from joint to joint, as well as on the optional cable winder, when the job is completed.



Your contact

Georg Fischer Piping Systems Ltd

Ebnatstrasse 111
8201 Schaffhausen / Switzerland
Phone +41 52 631 11 11
info.ps@georgfischer.com
www.gfps.com