

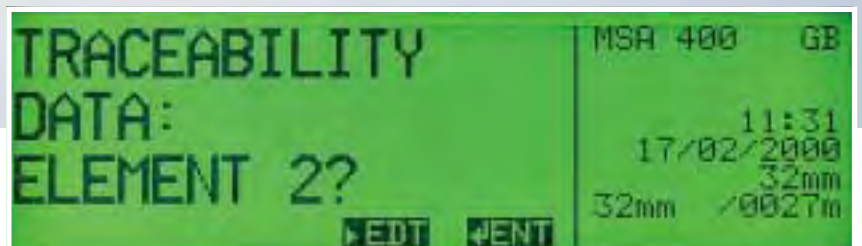
MSA fusion control units

Flexible partners that meet your needs.



MSA
200, 250, 300, 350, 400

ELGEF® Plus
fusion control units for
pressurised PE pipes



- MSA 200
Manual fusion control unit
- MSA 250
Automatic fusion control unit
- MSA 300
Automatic fusion control unit
- MSA 350
Record fusion control unit
- MSA 400
Traceability fusion control unit

GEORG FISCHER +GF+

The technical data are not binding. They are not warranted characteristics and are subject to change. Please consult our General Conditions of Supply.

Technical data MSA welding units

General	MSA 200	MSA 250	MSA 300	MSA 350	MSA 400
Welding data: Barcode input (I2/5, Code128)	-	✓	✓	✓	✓
Welding data: Manual input (U, t)	(only t)	✓	✓	✓	✓
Traceability: Barcode input (Code128-C)	-	-	-	-	✓
Traceability: Manual input	-	-	-	-	✓
Protocolling collect	-	-	-	✓	✓
Protocolling single	-	-	-	✓	✓
Info text	-	-	-	✓	✓
Security protocolling (Security memory)	-	-	-	✓	✓
Security protocolling memory: Configurable (Fixed/overrun)	-	-	-	-	✓ (750)
Security protocolling memory: Only overrun	-	-	-	✓ (750)	✓ (750)
Protocol memory (Number protocols)	-	-	-	-	400/800/1600
Protocol memory: Memory card as a flexible memory	-	-	-	-	✓
Operator identification: Configuration as compulsory	-	-	-	✓	✓
Commission number: Configuration as compulsory	-	-	-	✓	✓
Protocol print MSA	-	-	-	✓	✓
Sort according to commission number	-	-	-	✓	✓
Sort according to welding number	-	-	-	✓	✓
Revision: Configurable	-	-	-	✓	✓
Interface	-	-	-	serial RS232	serial RS232
Operator languages	-	-	max. 24	max. 24	max. 24
Display	LED 1 x 4 N	LED 1 x 4 N	LCD graphic	LCD graphic	LCD graphic
Size display (B/H)	50/18 mm	50/18 mm	132/39 mm	132/39 mm	132/39 mm
Contrast display configurable	-	-	✓	✓	✓
Background light	-	-	✓	✓	✓
Error message as written text	-	-	✓	✓	✓
Delivery extent:	Instruction manual, packing	Welding unit with barcode reader, 4 mm adaptor, instruction manual, packing, and * positions			
Options					
Barcode scanner	-	x	x	x	x
Adaptor 4,7 mm	x	x	x	x	x
PC cable serial	-	-	-	x	x*
Printer cable serial -> parallel	-	-	-	x	x
Printer cable parallel	-	-	-	x	x*
Transport case: Robust aluminium-wood case, lined	x	x	x	x	x
MSA WIN-WELD software usable	-	-	-	x	x*

Technical data

Input	MSA 200	MSA 250	MSA 300	MSA 350	MSA 400
Voltage	VAC	180-264			
Power	A	16			
Frequency	Hz	45-65			
Power factor controller	-	✓	✓	✓	✓
Output					
Voltage	V	39.5	8-42 (48)	8-42 (48)	8-42 (48)
Power	A	2.5-100	0.5-90	0.5-90	0.5-90
Max. power consumption	W	3200	3780	3780	3780
Power output stage		Phase operating	Combinat. circuit	Combinat. circuit	Combinat. circuit
General					
Automatic temperature compensation	-	✓	✓	✓	✓
Working temperature	°C	-10 to +45 °C			
Protection type	IP	65			
Protection class		1			
Length of connector cable	m	3			
Length of main cable	m	3			
Active cooling of housing (Patent applied)	-	✓	✓	✓	✓
Generator-positive-list		not necessary			
Conform of standards		EN 60335-1, EN 60335-2-45, EN 50081-1, EN 50082-1, EN 55014, EN 61000-3-3			
Warranty	Mt	12	24	24	24
Dimensions (W/H/D)	mm	230/340/160	284/364/195	284/364/195	284/364/195
Weight inclusive cables	Kg	19	11.5	11.5	11.5

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