











Utility Range

MSA Machines

Product Range Overview

Characteristics	 MSA 125	 MSA 315	 MSA 330	 MSA 340	 MSA 2.0	 MSA 2.1	 MSA 2 MULTI	 MSA 2 CF	 MSA 4.0	 MSA 4.1
Fittings material	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP	PE,PP,PB, PVDF	PE,PP,PB, PVDF	PE,PP	PE,PP
Working temperature range (°C)	-10/+45	-10/+45	-10/+45	-10/+45	-20/+50	-20/+50	-20/+50	-20/+50	-20/+50	-20/+50
Protection factor	IP54	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Electrical switch	✓	✓	✓	✓		✓		✓	✓	✓
Input voltage (Vac)	230	230	230/115	230/115	230	230	230	115	230	230
Output voltage (Vac)	8-42	8-42	8-48	8-48	8-48	8-48	3.6-40	3.6-40	8-48	8-48
Output current (Amps)	50	70	100	100	90	90	90	90	110	110
Barcode input via scanner	Optional	Optional	✓	✓	✓	✓	✓	✓	✓	Wireless
Manual fusion input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Operator badge/Job code		✓	✓	✓		✓	✓	✓	✓	✓
Data records	350	500	1000	1000	350	1000	500	1000	5000	5000
Data protocol format	PDF, CSV	PDF, CSV	PDF, CSV	PDF, CSV		PDF, BIN	PDF, BIN	PDF, BIN	PDF, BIN	PDF, BIN
Traceability (ISO 12176-4)				✓					✓	✓
GPS				✓					✓	✓
Communication interface	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB
Built in Bluetooth						✓			✓	✓
Configurable/admin. protected menus			✓	✓		✓		✓	✓	✓
Weight (Kg)	13	17	19	19	11.9	11.9	11.9	12.5	12.5	12.5
Mains / fusion cable length	4m/3m	4m/3m	4m/4m	4m/4m	4m/3m	4m/4m	4m/3m	4m/4m	4m/4m	4m/4m
Connectors / adapters	4mm	4mm	4-4.7mm	4-4.7mm	4mm	4-4.7mm	4mm	4mm	4-4.7mm	4-4.7mm
Transport box	✓	Optional	Optional	Optional	✓	✓	✓	✓	✓	✓
Welding book application	Optional	Optional	Optional	Optional		✓	✓	✓	✓	✓
WeldinAir			Optional	Optional	Optional			Optional		
Rental time App			✓	✓					✓	✓



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MSA 2

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MSA 315 / MSA 330 / MSA 340

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MSA Accessories

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MSA 4.0
Electrofusion Unit with full traceability and GPS functions



High performance, light electro-fusion unit based on inverter technology, providing a complete documentation of the welding including operator badge, job codes, full traceability data (ISO 12176) and GPS coordinates added automatically to each fusion record. All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive, the configurable workflow to fit all needs, from the simplest to the most plenty of details. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time. For operator identity card, job identification and fusion data input a 1D (or 2D in case of Unitary QR code availability) barcode scanner is connected. The internal Bluetooth Low Energy device offers the possibility to enter data, monitor the fusion from remote and collect the data recorded via wireless with consumer smartphones, to send them to the headquarter even in real time. The internal memory has a capacity of 5000 jointing records, which can be retrieved using a USB memory stick. The fusion protocols are delivered as PDF, CSV files (both manageable with standard and free PC software applications). For a more sophisticated usage, a BIN file is also available, compatible with the MSA Welding Book to sort, filter out and combine protocols and photos captured from multiple MSA units. Robust aluminum die casting enclosures and comfortable plastic handle ensure a weight balanced carrying. Rental time period programmable by the machine owner, unit blocks on expiring date, reset by a dynamic code can be activated. Scope of delivery: transport case, angle adapters (4,0 mm and 4,7 mm), operation instructions, START/STOP badge, configuration chart and USB memory stick with PC applications.

Technical Data:

- Mains frequency: 50-60 Hz
- Fusion data input mode: bar code, manual
- Mains voltage: 230V (190V - 265V)
- Suggested power generators: 3.5 kVA
- Welding technique: Voltage controlled
- Fusion voltage: 8-48 V
- Fusion current: 110 A (max)
- USB Port: Type A
- Operating temperature: -20°C to +50°C
- Internal memory capacity: 5000 protocols
- Protocols format: PDF, CSV and BIN (compatible with MSA Welding Book)
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m
- Fusion cable: 4 m
- Dimensions: 280 x 480 x 220 mm
- Weight: ca. 12.8 kg
- Display: Graphical LCD, adjustable contrast
- Languages support: 27
- Bluetooth radio interface

Type	Description	Code	Weight (kg)
MSA 4.0	1D barcode scanner	790 156 011	12.400
MSA 4.0	2D barcode scanner (QR code reading)	790 156 012	12.400
MSA 4.0	1D barcode scanner, 8m welding cables	790 156 014	13.400

MSA 4.1
Electrofusion Unit with full traceability, GPS functions and wireless scanner



High performance, light electro-fusion unit based on inverter technology, providing a complete documentation of the welding including operator badge, job codes, full traceability data (ISO 12176) and GPS coordinates added automatically to each fusion record. All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive, the configurable workflow to fit all needs, from the simplest to the most plenty of details. Operator identity, job identification and fitting data are captured using a wireless scanner, with 1D (for barcode labels on the fitting) and 2D (in case of Unitary QR code availability). The wireless scanner is based on a rugged mobile phone with a software application installed for reading the barcode and giving evidence of the barcode type (operator, fusion data, traceability...). The wireless device can be used also for communication purposes as well as for accessing to GFPS online web services

The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The internal memory has a capacity of 5000 jointing records, which can be retrieved using a USB memory stick. The fusion protocols are delivered as PDF, CSV files (both manageable with standard and free PC software applications). For a more sophisticated usage, a BIN file is also available, compatible with the MSA Welding Book to sort, filter out and combine protocols and photos captured from multiple MSA units.

Robust aluminum die casting enclosures and comfortable plastic handle ensure a weight balanced carrying.

Rental time period programmable by the machine owner, unit blocks on expiring date, reset by a dynamic code can be activated.

Scope of delivery: transport case, wireless scanner as rugged mobile phone with battery charger, angle adapters (4,0 mm and 4,7 mm), operation instructions, START/STOP badge, configuration chart and USB memory stick with PC applications.

Technical Data:

- Mains frequency: 50-60 Hz
- Fusion data input mode: bar code, manual
- Mains voltage: 230V (190V - 265V)
- Suggested power generators: 3.5 kVA
- Welding technique: Voltage controlled
- Fusion voltage: 8-48 V
- Fusion current: 110 A (max)
- USB Port: Type A
- Operating temperature: -20°C to +50°C
- Internal memory capacity: 5000 protocols
- Protocols format: PDF, CSV and BIN (compatible with MSA Welding Book)
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m
- Fusion cable: 4 m
- Dimensions: 280 x 480 x 220 mm
- Weight: ca. 12.8 kg
- Display: Graphical LCD, adjustable contrast
- Languages support: 27

Type	Description	Code	Weight (kg)
MSA 4.1	2D wireless scanner (QR code reading)	790 156 013	12.400

MSA 2

MSA 2.0 Automatic Electrofusion Unit



The MSA 2.0 automatic electro fusion unit combines light weight and high efficiency, thanks to its inverter technology. The unit is extremely fast and simple, with three basic operations required to operator: connect, scan, start the fusion.

The MSA 2.0 has 350 protocols permanently stored in the internal memory.

It is robust, safe and ergonomic.

All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

Scope of delivery includes: transport box, 4.0 mm angle adapters, START/STOP badge and operating instructions.

Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage and frequency: 230V (190V - 265V), 50-60Hz
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- Fusion voltage: 8-42 V (48 V)
- Fusion data input mode: bar code, manual
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 3 m
- Dimensions: 280 x 480 x 220 mm
- Weight: ca. 11.9 kg
- Display: Graphical LCD, adjustable contrast
- Independent from languages

Type	Code	Weight (kg)
Barcode scanner, transport case	790 156 001	11.900
Barcode scanner, transport case, Swiss plug	790 156 004	11.900



MSA 2.1 Automatic Electrofusion Unit with protocols retrieval



The MSA 2.1 automatic electro fusion unit combines light weight and high efficiency, thanks to its inverter technology and furthermore provides fusion documentation in PDF. The unit is extremely fast and simple, with three basic operations required to operator: connect, scan, start the fusion. It is robust, safe and ergonomic.

All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The internal Bluetooth Low Energy device offers the possibility to enter data, monitor the fusion from remote and collect the data recorded via wireless with consumer smartphones, to send them to the headquarter even in real time.

The unit has 1000 protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

Scope of delivery includes: transport box, angle adapters (4.0 mm and 4.7 mm), operating instructions, START/STOP badge and USB memory stick with PC applications.

Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage and frequency: 230V (190V - 265V), 50-60Hz
- Fusion voltage: 8-42 V (48 V)
- Fusion data input mode: bar code, manual
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 4 m
- Weight: ca. 11.9 kg
- Display: Graphical LCD, adjustable contrast
- Independent from languages

	Type	Code	Weight (kg)
Barcode scanner, transport case, mini Welding Book		790 156 003	11.900
Barcode scanner, transport case, mini Welding Book, Swiss plug		790 156 006	11.900
Barcode scanner, transport case, mini Welding Book, 8m fusion cable		790 156 010	12.900

MSA 2 MULTI Automatic Electrofusion Unit for PE/PP/PVDF/PB



The MSA 2 MULTI automatic electro fusion unit combines light weight and high efficiency, thanks to its inverter technology. The unit is suitable for welding PE, PP, INSTAFLEX PB d125-225, Fuseal d1 1/2"-12" and PPro-Seal 1/2"-3".

It is robust, safe and ergonomic.

All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The unit has 500 protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

Scope of delivery includes: 1 pair of angle adapter clips 4.0 mm, operating instructions, START/STOP badge, USB memory stick and robust transport case

Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage and frequency: 230V (190V - 265V), 50-60Hz
- Fusion data input mode: bar code, manual
- Fittings range: d16-630 mm , 1/2"-12"
- Fusion voltage: 3.6-40 V
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 3 m
- Weight: ca. 11.9 kg
- Display: Graphical LCD, adjustable contrast

	Type	Code	Weight (kg)
Full package plus mini Welding Book		790 156 021	11.900
Full package plus mini Welding Book, SeaDrain adapters and barcodes		790 156 022	11.900

MSA 2 CF @ 115V - Automatic Electrofusion Unit with protocols retrieval



The MSA 2 CF electro fusion unit combines light weight and high efficiency, thanks to its power switching technology and furthermore provides fusion documentation in PDF. The unit is extremely fast and simple, like COOL-FIT installations, with three basic operations required to the operator: connect, scan, start the fusion.

It is robust, safe and ergonomic.

All is meant to simplify the job: the barcode scanner, for long distance reading, the cooling system to joint in series, the icon system, to keep the interaction between user and machine intuitive. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The unit has 1000 protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

Scope of delivery includes: transport box, standard and long angle adapters (4.0 mm), operating instructions, START/STOP badge and USB memory stick with PC applications.

The unit is suitable for welding PE, PP, INSTAFLEX PB d125-225, Fuseald1 1/2"-12" and PPro-Seal 1/2"-3".

Technical Data:

- Operating temperature: -20°C to +50°C
- Mains voltage: 90V - 135V AC
- Mains frequency: 50-60 Hz
- Fusion data input mode: bar code, manual
- Fusion voltage: 3.6-42 V
- Fusion current: 90 A (max)
- Suggested power generators: 3.5 kVA
- Fittings range: d20-d450 (inner diameter) COOL-FIT 2.0/4.0
- Protocols format: PDF and binary (compatible with mini Welding Book)
- USB Port: Type A
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 4 m
- Weight: ca 12.5 kg
- Display: Graphical LCD, adjustable contrast
- Independent from languages

	Type	Code	Weight (kg)
Barcode scanner, transport case, mini Welding Book		790 156 023	13.000

MSA 315 / MSA 330 / MSA 340



MSA 315 Automatic Electrofusion Unit up to d315

The MSA 315 automatic electro fusion unit combines performance and compact design, for installers who need to weld fittings up to diameter 315mm, in building technology and gas/water distribution applications. The unit is extremely simple to use, with a few basic operations required to operator: connect, confirm, scan, and start the fusion. The installer can also track operator and job code if needed.

It is robust, safe and ergonomic.

The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The unit has 500 protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

Scope of delivery includes: 1 pair of angle adapter clips 4.0 mm, operating instructions and optionally a transport case

Technical Data:

- Operating temperature: -10°C to 45°C
- Fusion data input mode: bar code, manual
- Welding technique: Voltage controlled
- Mains voltage and frequency: 230V (190V - 265V), 50-60Hz
- Fusion voltage: 8-42 V
- Fusion current: 70 A (max)
- Fittings range: d20-315 mm
- Internal memory capacity: 500 protocols
- Protocols format: PDF, CSV
- Protection factor: Class 1 / IP 65
- USB Port: Type A
- Mains cable: 4 m / Fusion cable: 3 m
- Weight: 17 kg
- Display: Graphical LCD, adjustable contrast

	Type	Code	Weight (kg)
Manual mode, carton box		790 128 040	17.000
Automatic, with barcode reader, carton box		790 128 041	17.000
Transport box, automatic with barcode reader		790 128 042	17.000



MSA 330 Electrofusion Unit with fusion data recording

The MSA 330 electrofusion unit combines high performance in jointing with easy and safe handling. The internal memory has a capacity of 1000 jointing records, for data transfer the unit is equipped with an USB interface. The record formats are PDF and CSV, both manageable with common and free PC software applications. An intuitive operation menu guides you through the complete jointing process. For fusion data input a scanner is connected. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time. Robust aluminum housing with convenient cable winding and handle for weight balanced transport. The unit is suitable for jointing in series. Scope of delivery: transport case, angle adapters (4.0 mm and 4.7 mm), operation instructions and configuration chart.

Technical Data:

- Ambient temperature: -10°C to +45°C
- Mains voltage: 230 V (±15%) or 115 V (±15%)
- Mains frequency: 40 Hz - 70 Hz
- Fusion voltage: 8 - 48V AC
- Fusion current: 100 A (max)
- Suggested power generator: 3.5 kVA (5.0 kVA for fittings with d>200mm)
- Protection factor: Class 1 / IP 65
- Mains cable: 4 m / Fusion cable: 4 m
- Interface: USB (type A) for PC communication and software updates
- Weight: 19 kg
- Dimensions (WxHxD): 280 x 480 x 240 mm
- Display: LCD (20 alphanumerical char. x 4 lines), contrast adjustment
- Configurable languages: 11

description	Voltage	Code	Weight (kg)
Barcode scanner, carton box	230 V	790 160 060	18.000
Barcode scanner, transport case	230 V	790 160 061	18.000
Barcode scanner, carton box	115 V	790 160 070	18.000
Barcode scanner, transport case	115 V	790 160 071	18.000



MSA 340 Electrofusion Unit with traceability and GPS function

High performance electrofusion unit providing fusion documentation, including traceability data (ISO 12176-4) , operator ID, job code and automatic GPS coordinates in each fusion record. The internal memory has a capacity of 1000 jointing records. For data transfer the unit is equipped with an USB interface. The record formats are PDF and CSV, both manageable with common and free PC software applications. An intuitive operation menu guides you through the complete jointing process. For fusion data input a barcode scanner is connected. The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and indication of cooling time. Robust aluminum housing with convenient cable winding and handle for weight balanced transport. The unit is suitable for jointing in series. Scope of delivery: transport case, angle adapters (4.0 mm and 4.7 mm), operation instructions and configuration chart.

Technical Data:

- Ambient temperature: -10°C to +45°C
- Mains voltage: 230 V (±15%) or 115 V (±15%)
- Mains frequency: 40 Hz - 70 Hz
- Fusion voltage: 8 - 48V AC
- Fusion current: 100 A (max)
- Suggested power generator: 3.5 kVA (5.0 kVA for fittings with d>200mm)
- Mains cable: 4 m / Fusion cable: 4 m
- Protection factor: Class 1 / IP 65
- Interface: USB (type A) for PC communication and software updates
- Weight: 19 kg
- Dimensions (WxHxD): 280 x 480 x 240 mm
- Display: LCD (20 alphanumerical char. x 4 lines), contrast adjustment
- Configurable languages: 11

description	Voltage	Code	Weight (kg)
Barcode scanner, carton box	230 V	790 160 062	18.000
Barcode scanner, transport box	230 V	790 160 063	18.000
Barcode scanner, carton box	115 V	790 160 072	18.000
Barcode scanner, transport box	115 V	790 160 073	18.000

MSA 125



MSA 125 Automatic Electrofusion Unit up to d125

The MSA 125 automatic electro fusion unit combines light weight and compact design, for installers who need to weld fittings up to diameter 125mm (160mm if ELGEF), in building technology and gas/water distribution applications. The unit is extremely simple to use, with a few basic operations required to operator: connect, confirm, scan, and start the fusion.

It is robust, safe and ergonomic.

The entire welding process is controlled and regulated with energy output compensation depending on ambient temperature and the indication of cooling time.

The unit has 350 fusion protocols permanently stored in the internal memory. The user can copy the fusion reports in an USB stick to print them out in PDF format.

Scope of delivery includes: 1 pair of angle adapter clips 4.0 mm, operating instructions and robust transport case

Technical Data:

- Operating temperature: -10°C to 45°C
- Fusion data input mode: bar code, manual
- Mains voltage: 230V (205V - 255V)
- Mains frequency: 50-60 Hz
- Welding technique: Voltage controlled
- Fusion voltage: 8-42 V
- Fusion current: 50 A (max)
- Internal memory capacity: 350 protocols
- Fittings range: d20-125 mm (ELGEF up to d160)
- Protocols format: PDF, CSV
- USB Port: Type A
- Protection factor: Class 1 / IP 54
- Fusion cable: 3 m
- Mains cable: 4 m
- Weight: 13 kg
- Display: Graphical LCD, adjustable contrast
- Languages support: English, Italian, Chinese and French

	Type	Code	Weight (kg)
Manual mode version		790 160 040	12.000
Barcode (scanner) and manual mode version		790 160 042	15.000

MSA Accessories



WeldinAir



High performance radio equipment, working in combination with WeldinAir mobile application. The USB Bluetooth Low Energy device controls the real time communication between the electro-fusion machine and a mobile smartphone (at least iOS 11 or Android 7), during the welding process and the data management. The WeldinAir product is backward compatible with most of MSA electro-fusion units: the hardware can be plugged into the USB socket of MSA 2.0, MSA 2.1, MSA 4.0 without built-in Bluetooth, MSA 330 and MSA 340.

Useable stand alone, with WeldinOne or Track&Trace, the Quality and Asset Management Service of GFPS.

Scope of delivery: WeldinAir dongle, USB memory stick with MSA software drivers, User instructions and packing

Technical Data:

- Operating temperature: -20°C to +50°C
- Input voltage: 5V DC
- Input current (max): 50 mA
- Protection class IP 65

Type	Code	Weight (kg)
WeldinAir	790 156 033	0.150

WeldinOne



Software applications to assist installers during welding and asset maintenance. The applications are suitable for all GF electrofusion, butt fusion and InfraRED machines able to generate fusion protocols at the end of the jointing.

- The **Welding Book** creates PDF books including the protocols automatically captured by the machine, the maps for the welding place and the photos of scraping activities and proper alignment.
- The **Barcode Generator** creates operator badge, job number, tools identifier to support the installation companies in tracking their work.
- The **MSA Configurator** graphically creates different configurations for the MSA 4.0 and MSA 4.1, to be downloaded, via USB stick, on these machines. Furthermore, it can create the barcodes used to configure the MSAPlus family workflow.

Type	Code	Weight (kg)
WeldinOne	790 160 201	0.100
Welding Book only	790 156 030	0.050

Rugged PDA



Rugged PDA used in combination with MSA 4.1 as wireless scanner, remote fusion control and monitoring.

The embedded application enables the user to interact with the MSA 4.1 via Bluetooth connection, download immediately the fusion protocols, connect to Wifi and 3G network, share in real time welding data with the installation company headquarter.

The PDA is a compatible device for Track&Trace, Quality and Asset Management Service of GFPS.

Type	Description	Code	Weight (kg)
MSA 4.1	Rugged PDA with embedded 2D scanner, MSA 4.1 and Track&Trace Apps	790 156 224	0.250



Barcode Scanner

Barcode scanner for automatic fusion and traceability data reading of fittings and pipes

Description	Code	Weight (kg)
MSAplus scanner and cable	790 160 227	0.250
MSA330/MSA340 rugged scanner and cable	790 160 225	0.250
MSA 2.0 barcode scanner	790 156 160	0.250
MSA 2.1 and MSA 4.0 1D barcode scanner	790 156 260	0.250
MSA 4.0 2D barcode scanner	790 156 261	0.250
Barcode scanner with pouch for old MSA and MSAplus	799 350 419	0.521
MSA 125 / MSA 315 scanner and cable	790 160 251	0.250
MSA330/MSA340 rugged USB scanner and cable	790 160 252	0.350
MSA330/MSA 340 V3 scanner only	790 160 256	0.225



Geothermal cables kit

- Ability to joint in parallel 2 couplers of a Y fitting
- Welding voltage: 0 – 48 Volt
- Welding current: 40 A (max.)
- Content of delivery: 2 cables, pouch, protection caps, operation manual
- Recommended in combination with ELGEF fittings
- Compatible with all MSA Units
- Connector: 4 mm (90°)
- Cable length: 290 mm

Description	Code	Weight (kg)
MSA geothermal cables	790 160 176	0.385



Adapters for MSA electro-fusion units

- Adapters for Electrofusion units with 4 mm connectors.
- Compatible with all MSA Units

Type	Code	Weight (kg)	Description
4,0 mm	799 350 340	0.058	Angle adapter, black
4,7 mm	799 350 341	0.057	Angle adapter, grey
4,7 mm	799 350 462	0.014	Adapter, white



Long adapters

- Adapters for Electrofusion units with 4 mm connectors.
- Longer version, suitable for all COOL-FIT 4.0 dimensions.

Type	Code	Weight (kg)	Description
4,0 mm	790 128 035	0.058	Angle adapters pair, black



COOL-FIT Y cables kit

- The COOL-FIT Y cables are used to speed up the installation of the fixed points electrofusion tapes. The Y cables allow the welding in parallel of 2 E-Tapes, halving the total duration of the fusion process.
- Compatible with all MSA Units

Type	Code	Weight (kg)
4 leads cable with 2mm plugs in output	790 156 032	0.385



SeaDrain/FUSEAL cable adapters

- Ability to joint in parallel up to 4 coils, for SeaDrain, SeaDrain PLUS, Fuseal, PPRo-Seal and Fuseal 25/50
- Compatible with all MSA Units

Type	Code	Weight (kg)
4 leads cable, 0.6m length	790 156 184	0.400
4 leads cable, 1.6m length	790 156 195	0.400



Transport Box MSA electro-fusion units

- Large, robust transport box for MSA machines

Type	Dimension (mm)	Code	Weight (kg)
MSA230 Ver.1	320x310x510	790 128 121	6.300
MSA330 / MSA340 / MSA230 Ver.2	370x350x520	790 160 010	8.000
MSA 2 / MSA 4	315x315x525	790 156 228	6.600
MSAplus 250-400	330x220x470	799 350 472	5.248
MSA250-400	300x200x330	799 350 401	4.781
MSA330 / MSA340 Ver3 & MSA315	315x315x525	790 156 328	6.000

Utility Range

MSA Machines

Accessories Code

								
Machine Type	Transport Box	Scanner	Adapters	CoolFit Y cables	Long adapters	SeaDrain cable adapters	Geothermal kit	WeldinAir
 MSA 4.1	790 156 228	790 156 224	799 350 340/1	790 156 032	790 128 035	-	790 160 176	-
MSA 4.0	790 156 228	790 156 260/1	799 350 340/1	790 156 032	790 128 035	-	790 160 176	-
MSA 2.1	790 156 228	790 156 260	799 350 340/1	790 156 032	790 128 035	-	790 160 176	-
MSA 2.0	790 156 228	790 156 160	799 350 340/1	790 156 032	790 128 035	-	790 160 176	790 156 033
MSA 2 MULTI	790 156 228	790 156 160	799 350 340/1	790 156 032	790 128 035	790 156 195	790 160 176	-
MSA 2 CF	790 156 228	790 156 260	799 350 340/1	790 156 032	790 128 035	-	790 160 176	790 156 033
 MSA 340 V3	790 156 328	790 160 256	799 350 340/1	790 156 032	790 128 035	-	790 160 176	790 156 033
MSA 340 V3	790 156 328	790 160 256	799 350 340/1	790 156 032	790 128 035	-	790 160 176	790 156 033
 MSA 340 V2	790 160 010	790 160 225	799 350 340/1	790 156 032	790 128 035	-	790 160 176	790 156 033
MSA 330 V2	790 160 010	790 160 225	799 350 340/1	790 156 032	790 128 035	-	790 160 176	790 156 033
MSA 230 V2	790 160 010	790 128 119	799 350 462	-	-	-	790 160 176	-
 MSA 315	790 156 328	790 160 251	799 350 340/1	790 156 032	790 128 035	-	790 160 176	-
 MSA 125	-	790 160 251	799 350 340/1	-	-	-	790 160 176	-