



2025

HELVI LINE

CATALOGUE

50^o
1975
2025



ENG






SOVICO (Monza Brianza)


SANDRIGO (Vicenza)

www.helvi.com

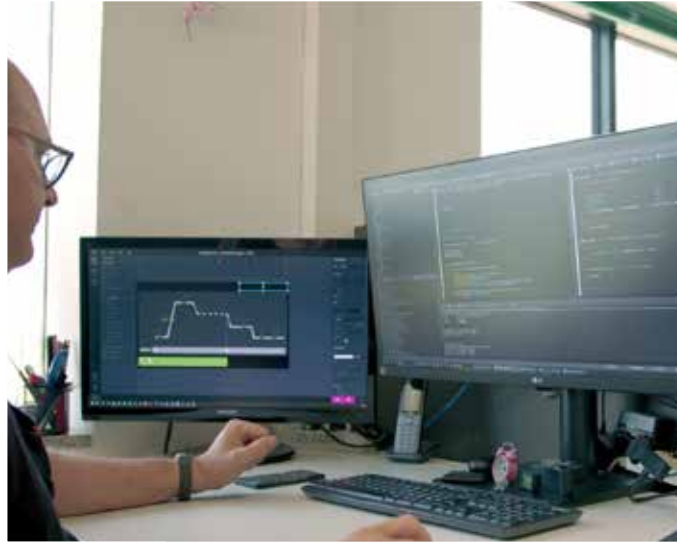


From 1975 to the present day, the story of Helvi S.p.A. is that of an Italian company with a strong international dimension, pursued throughout its growth, from its foundation to its entry into the Beta Group.

Helvi S.p.A. produces industrial welding machines, plasma cutting machines, professional battery chargers and accessories. The headquarter is in Sandrigo, in the province of Vicenza, and today employs more than 80 people, with a turnover of about 15 million euros developed more than 70 percent abroad.

In 2023 it became part of the Beta Group, Europe's leading manufacturer of tools and work equipment for specialists in mechanical engineering, industrial maintenance and auto repair. Reliability is the key factor in our success: those who choose Helvi finds it in our people and in every welding machine, plasma cutting machine or professional battery charger.

Every component is chosen and tested down to the smallest details, so that they combine perfectly in products designed to guarantee the best performance according to high quality standards.



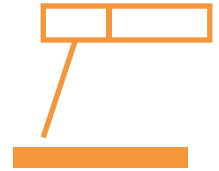
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MMA · TIG

◉ MMA · TIG



SPARC 120	NEW	1ph · 120A · 230V	PAG. 8
SPARC 160	NEW	1ph · 160A · 230V	PAG. 8
SPARC 200	NEW	1ph · 200A · 230V	PAG. 8
JET 160	NEW	1ph · 160A · 230V	PAG. 10
JET 200	NEW	1ph · 200A · 230V	PAG. 10
GALILEO 160	NEW	1ph · 160A · 230V	PAG. 11
GALILEO 200	NEW	1ph · 200A · 230V	PAG. 11



NEW


Easy-to-use welding inverter: great welding performance with all types of commercial electrodes (rutile, basic, stainless steel). Overvoltage, over temperature and anti-sticking control are included. As they are compact and lightweight, they are ideal for home/hobby applications.

	SPARC 120	SPARC 160	SPARC 200
Input Voltage	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz
Max power	4,0 KVA	6,4 KVA	6,7 KW
U_o	60 V	70 V	70 V
Amp. Min-Max	10 ÷ 120 A	10 ÷ 160 A	10 ÷ 200 A
Duty cycle 40°C	120A @ 25% 80A @ 60% 60A @ 100%	160A @ 25% 105A @ 60% 80A @ 100%	200A @ 25% 130A @ 60% 100A @ 100%
Ø Electrode	1,6 ÷ 3,25 mm	1,6 ÷ 4,0 mm	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018	6013 - 7018	6013 - 7018
Insulation	H	H	H
Protection degree	IP22S	IP22S	IP22S
Dimensions (LxWxH)	120 x 300 x 260 mm	120 x 300 x 260 mm	120 x 300 x 260 mm
Net weight	3,8 Kg	4,2 Kg	4,4 Kg
Carton box dimensions	230 x 360 x 280 mm	230 x 360 x 280 mm	230 x 360 x 280 mm
Net weight in carton box	6,0 Kg	7,0 Kg	7,2 Kg
Price			
Carton box KIT part number	99806021	99806022	99806023
Case dimensions	160x400x475 mm	160x400x475 mm	160x400x475 mm
Net weight in case	7,6 Kg	8,6 Kg	8,8 Kg
Price			
Case KIT part number	99806024	99806025	99806026





SPARC 120 · CARTON BOX KIT	
-	Power source · SPARC 120
43210255	Ground cable 10 mm ² · 1,6 m · 200 A · conn. 25 mm ²
43205127	Welding cable 10 mm ² · 2,4 m · 300 A · conn. 25 mm ²
21905039	Hammer/brush
77005237	Carton box
KIT PART NUMBER · 99806021	

SPARC 160 · CARTON BOX KIT	
-	Power source · SPARC 160
43210256	Ground cable 16 mm ² · 2,0 m · 200 A · conn. 25 mm ²
43205128	Welding cable 16 mm ² · 3,0 m · 300 A · conn. 25 mm ²
21905039	Hammer/brush
77005237	Carton box
KIT PART NUMBER · 99806022	

SPARC 200 · CARTON BOX KIT	
-	Power source · SPARC 200
43210256	Ground cable 16 mm ² · 2,0 m · 200 A · conn. 25 mm ²
43205128	Welding cable 16 mm ² · 3,0 m · 300 A · conn. 25 mm ²
21905039	Hammer/brush
77005237	Carton box
KIT PART NUMBER · 99806023	

SPARC 120 · CASE KIT	
-	Power source · SPARC 120
43210255	Ground cable 10mm ² · 1,6 m · 200 A · conn. 25 mm ²
43205127	Welding cable 10mm ² · 2,4 m · 300 A · conn. 25 mm ²
21905039	Hammer/brush
21690996	Shockproof case
KIT PART NUMBER · 99806024	

SPARC 160 · CASE KIT	
-	Power source · SPARC 160
43210256	Ground cable 16 mm ² · 2,0 m · 200 A · conn. 25 mm ²
43205128	Welding cable 16 mm ² · 3,0 m · 300 A · conn. 25 mm ²
21905039	Hammer/brush
21690996	Shockproof case
KIT PART NUMBER · 99806025	

SPARC 200 · CASE KIT	
-	Power source · SPARC 200
43210256	Ground cable 16 mm ² · 2,0 m · 200 A · conn. 25 mm ²
43205128	Welding cable 16 mm ² · 3,0 m · 300 A · conn. 25 mm ²
21905039	Hammer/brush
21690996	Shockproof case
KIT PART NUMBER · 99806026	


NOVELTIES

- TIG Lift
- Display
- Shockproof case KIT

JET 160	
Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,4 KVA
U ₀	70 V
Amp. Min-Max	10 ÷ 160 A
Duty cycle 40°C	160A @ 35% 120A @ 60% 100A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	5,2 Kg
Case dimensions	160x400x475 mm
Net weight in case	10,0 Kg
Price	
Case KIT part number	99806027



- NOVELTIES**
- TIG Lift
 - Display
 - Shockproof case KIT

NEW



JET 160 · CASE KIT	
-	Power source · JET 160
43210257	Ground cable · 16 mm ² · 2,0 m · 200 A · conn. 50 mm ²
43205129	Welding cable · 16 mm ² · 3,0 m · 300 A · conn. 50 mm ²
21905039	Hammer/brush
21690996	Shockproof case
KIT PART NUMBER · 99806027	

OPTIONAL	
99900099	Arc welding KIT · 25 mm ² · 3 + 2 mt · conn. 50 mm ²

JET 200	
Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,7 KVA
U ₀	70 V
Amp. Min-Max	10 ÷ 200 A
Duty cycle 40°C	200A @ 35% 150A @ 60% 120A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	5,4 Kg
Case dimensions	160x400x475 mm
Net weight in case	10,2 Kg
Price	
Case KIT part number	99806028



- NOVELTIES**
- TIG Lift
 - Display
 - Shockproof case KIT

NEW



JET 200 · CASE KIT	
-	Power source · JET 200
43210257	Ground cable · 16 mm ² · 2,0 m · 200 A · conn. 50 mm ²
43205129	Welding cable · 16 mm ² · 3,0 m · 300 A · conn. 50 mm ²
21905039	Hammer/brush
21690996	Shockproof case
KIT PART NUMBER · 99806028	

OPTIONAL	
99900099	Arc welding KIT · 25 mm ² · 3 + 2 mt · conn. 50 mm ²

GALILEO 160

Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,5 KVA
U _o	70 V
Amp. Min-Max	5 ÷ 160 A
Duty cycle 40°C	160A @ 60% 130A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	140x370x280 mm
Net weight	6,6 Kg
Power source part number	99806029
Bag dimensions	300x530x345 mm
Net weight in bag	11,3 Kg
Bag KIT part number	99806031



NOVELTIES

- TIG Lift
- Display
- Heavy duty


GALILEO 160 · BAG KIT + 25 mm² KIT

99806029	Power source · GALILEO 160
43210170	Ground cable · 25 mm ² · 2,0 m · conn. 50 mm ²
43205097	Welding cable · 25 mm ² · 3,0 m · conn. 50 mm ²
21905178K	Helvi bag M · 450x220x270 mm
KIT PART NUMBER · 99806031	

OPTIONAL

99900099	Arc welding KIT · 25 mm ² · 3 + 2 mt · conn. 50 mm ²
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GALILEO 200

Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,9 KVA
U _o	70 V
Amp. Min-Max	5 ÷ 200 A
Duty cycle 40°C	200 @ 50% 160A @ 60% 140A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	7,0 Kg
Power source part number	99806030
Bag dimensions	300x530x345 mm
Net weight in bag	11,7 Kg
Bag KIT part number	99806032



NOVELTIES

- TIG Lift
- Display
- Heavy duty


GALILEO 200 · BAG KIT + 25 mm² KIT

99806030	Power source · GALILEO 200
43210170	Ground cable · 25 mm ² · 2,0 m · conn. 50 mm ²
43205097	Welding cable · 25 mm ² · 3,0 m · conn. 50 mm ²
21905178K	Helvi bag M · 450x220x270 mm
KIT PART NUMBER · 99806032	

OPTIONAL

99900099	Arc welding KIT · 25 mm ² · 3 + 2 mt · conn. 50 mm ²
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TIG DC HF · TIG AC/DC HF

○ TIG DC HF · TIG AC/DC HF



GALILEO TIG 219 HF	1ph · 200A · 230V	PAG. 14
GALILEO TIG 211 EASY AC/DC	1ph · 200A · 230V	PAG. 15



GALILEO TIG 219 HF

Input voltage	(1ph) 230V ± 10% · 50/60Hz	
	TIG	MMA
Power 60%	4,2 KW	5,3 KW
U_o	64 V	64 V
Amp. Min-Max	5 ÷ 200 A	5 ÷ 160 A
Duty cycle 40°C	200A @ 20% 115A @ 60% 90A @ 100%	160A @ 20% 95A @ 60% 75A @ 100%
Ø Electrode	-	1,6 ÷ 4 mm
Electrode type	-	6013 - 7018
Insulation	H	
Protection degree	IP23S	
Dimensions (LxWxH)	140x400x245 mm	
Box dimensions (LxWxH)	175x510x290 mm	
Weight gross/net	8,8 / 8,2 Kg	
Power source part number	99806005	
Bag dimensions (LxWxH)	300x620x325 mm	
Gross/net weight in bag	15,8 / 14,7 Kg	
Bag KIT part number	99806007	

Easy-to-use in TIG welding with HF start. Model 219HF: all main welding parameters can be adjusted by the user: in TIG welding, 2stroke or 4stroke mode, pre-gas, up-slope time, pulsation frequency, basic current, down-slope time, crater filler current, post-gas. Equipped with a digital ammeter for displaying the welding current and presetting all parameters.



GALILEO TIG 219 HF · BAG XL KIT + KIT 25 mm²	
99806005	Power source · Galileo TIG 219 HF
23020157	TIG torch ExperTig 26 · 50 mm² · 4 m · 3 pin
43210170	Ground cable · 25 mm² · 2,0 m · conn. 50 mm²
30900030	Gas hose KIT · 2 m
21905133	T010 · TIG welding gloves · Size 10
21905139K	Helvi Bag XL · 540 x 225 x 250 mm
KIT part number · 99806007	



GALILEO TIG 211 EASY AC/DC

Alimentazione	(1ph) 110V ± 10% · 50/60Hz			(1ph) 230V ± 10% · 50/60Hz		
	TIG		MMA	TIG		MMA
Power 60%	DC	AC	DC	DC	AC	DC
U₀	2 KW	2 KW	2,2 KW	2,3 KW	2,5 KW	4 KW
Amp. Min-Max	45 V	45 V	45 V	45 V	45 V	45 V
Duty cycle 40°C	5 ÷ 140 A	10 ÷ 140 A	5 ÷ 100 A	5 ÷ 200 A	10 ÷ 200 A	5 ÷ 170 A
Ø Electrode	140A 40%	140A 40%	100A 35%	200A 25%	200A 30%	170A 30%
Electrode type	110A 60%	110A 60%	75A 60%	130A 60%	140A 60%	120A 60%
Insulation	85A 100%	85A 100%	60A 100%	100A 100%	110A 100%	90A 100%
Protection degree	-	-	1,6 ÷ 2,5 mm	-	-	1,6 ÷ 5 mm
Dimensions (LxWxH)	-	-	6013 - 7018	-	-	6013 - 7018
Box dimensions (LxWxH)	H					
Weight gross/net	IP23S					
Power source part number	195x490x395 mm					
KIT box dims. (LxWxH)	300x640x455 mm					
KIT gross/net weight	12,0 / 11,2 Kg					
KIT part number	99806020					
KIT part number	340x630x460 mm					
	21,2 / 19,6 Kg					
	99806020K					

New inverter Power generator single-phase designed for AC TIG aluminium welding and DC TIG welding for steel. Arc striking with HF or LIFT ARC mode. MMA mode also available. Thanks to the inverter technology and microprocessors, the welding process is controlled at all times, guaranteeing excellent welding dynamics and optimal arc ignition. Thanks to the FLEX-LINE function, the device automatically recognizes the value of the input power supply (110V or 220V). Equipped with the PFC function, which ensures high efficiency of the unit and allows to weld with high currents and low consumptions. The GALILEO TIG EASY 211 AC/DC is equipped with an easy-to-use and intuitive control panel. 3 welding modes available: TIG AC, TIG DC e STICK (MMA).

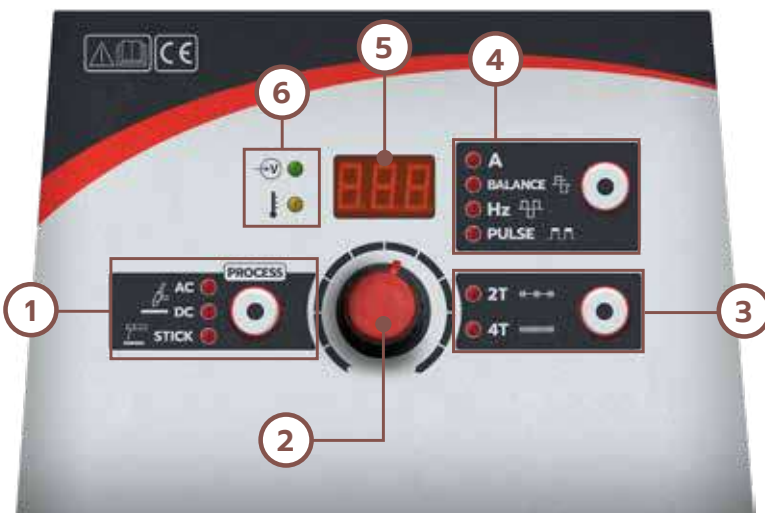


GALILEO TIG 211 EASY AC/DC · KIT	
99806020	Power source · Galileo TIG 211 Easy AC/DC
23020410	TIG torch · Tig 26 · 4 m · 50 mm ² · 12 pins
43210170	Ground cable · 25 mm ² · 2 m · conn. 50 mm ²
30900030	Gas hose KIT · 2 m
KIT part number · 99806020K	

INCLUDED	
22105166	Connector · 12 pin · Male (for TIG torch)

OPTIONAL	
23020410	TIG torch 26 · 12 pins · 4m
43210170K	Ground cable · 25 mm ² · 2 m
99900258	Trolley
99810021	Foot remote control · 12 pins · 5 m

CONTROL PANEL



- 1 TIG AC / TIG DC / MMA Selection
- 2 Regulation knob
- 3 2T/4T selection
- 4 TIG Parameters adjustment: AC Balance · AC Frequency · Pulse
- 5 Digital Display. Before welding: shows pre-set value. During welding: shows welding current.
- 6 LED: Power · thermal protection · over current



MULTIPROCESS

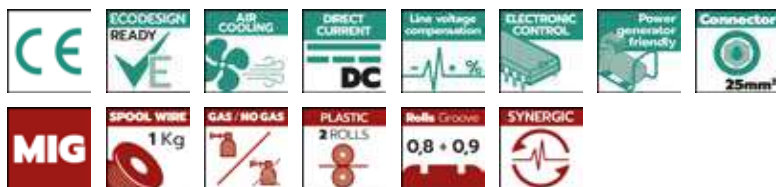
MULTIPROCESS



mini FOX 161	1ph · 150A · 230V	PAG. 18
FOX 165	1ph · 150A · 230V	PAG. 18
FOX 185	1ph · 170A · 230V	PAG. 19
FOX 191	1ph · 180A · 230V	PAG. 20
FOX 211	1ph · 200A · 230V	PAG. 20
PUMA 191	1ph · 180A · 230V	PAG. 22
PUMA 256	1ph · 250A · 230V	PAG. 22
PUMA 278	3ph · 250A · 400V	PAG. 23
PUMA 298	3ph · 290A · 400V	PAG. 23

mini FOX 161

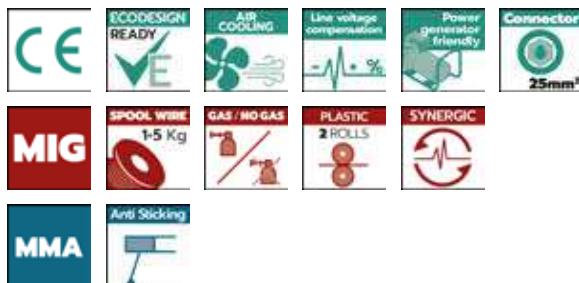
Input power	(1ph) 230V ± 10% · 50/60Hz
Power 60%	2 KW
U _o	26 V
Amp. Min-Max	10 ÷ 150 A
Duty cycle 40°C	150A @ 20% 90A @ 60% 70A @ 100%
Steel	0,8 Ø mm
Flux core	0,9 Ø mm
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	190x370x335 mm
Box dimensions (LxWxH)	250x580x355 mm
Gross/net weight	10,0 / 9,2 Kg
Part number	99820060


INCLUDED

23000142K	MIG torch (Fixed) · 10 mm² · 2 m
43210234	Ground cable · 10 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805074	Drive roll · Ø 25 mm · 0,6 ÷ 0,8/0,9 mm Knurled
30900030	Gas hose KIT · 2 m
21905039	Hammer-brush

FOX 165

Input power	(1ph) 230V ± 10% · 50/60Hz	
Power 60%	1,9 KVA	
U _o	MIG 70 V	MMA 70 V
Amp. Min-Max	25 ÷ 150 A	20 ÷ 150 A
Duty cycle 40°C	150A @ 25% 95A @ 60% 75A @ 100%	150A @ 20% 85A @ 60% 65A @ 100%
Steel	0,8 Ø mm	-
Flux core	0,9 Ø mm	-
Ø Electrode	-	1,6 ÷ 3,25 Ø mm
Electrode type	-	6013 - 7018 - CrNi
Insulation	H	
Protection degree	IP22S	
Dimensions (LxWxH)	220x480x385 mm	
Box dimensions (LxWxH)	260x590x435 mm	
Gross/net weight	12,0 / 10,5 Kg	
Part number	99820050	


INCLUDED

23000132	MIG torch · 10 mm² · 2,7 m
43210229	Ground cable · 16 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805074	Drive roll · Ø 25 mm · 0,6 ÷ 0,8/0,9 mm Knurled
30900030	Gas hose KIT · 2 m

OPTIONAL

99900171A	Trolley
43205028K	MMA welding cable · 16 mm² · 3 m

FOX 185

Input voltage	(1ph) 115V · 50/60Hz			(1ph) 230V · 50/60Hz		
Power 60%	1,9 KVA			2,8 KVA		
	MIG	MMA	TIG	MIG	MMA	TIG
U ₀	60 V	80 V	9,5 V	60 V	80 V	9,5 V
Amp. Min-Max	25 ÷ 120 A	20 ÷ 100 A	5 ÷ 110 A	25 ÷ 170 A	20 ÷ 170 A	5 ÷ 170 A
Duty cycle 40°C	120A 40% 100A 60% 75A 100%	100A 40% 85A 60% 65A 100%	110A 40% 90A 60% 70A 100%	170A 25% 110A 60% 85A 100%	170A 25% 110A 60% 85A 100%	170A 25% 110A 60% 85A 100%
Steel	0,6 ÷ 0,8 Ø mm					
Stainless steel	0,8 Ø mm					
Aluminum	0,8 ÷ 1,0 Ø mm					
Flux core	0,9 Ø mm					
CuSi ₃	0,8 Ø mm					
Ø Electrode	1,6 ÷ 3,25 Ø mm					
Electrode type	6013 - 7018 - CrNi					
Insulation	H					
Protection degree	IP22S					
Dim. (LxWxH)	220x480x385 mm					
Box dimensions	260x590x435 mm					
Gross/net weight	16 / 12 Kg					
Part number	99820039A					



INCLUDED

23000491	MIG torch 15 · Euro connection · 3 m
43210138	Ground cable · 16 mm ² · 2 m
21910108	Wire reel · Steel SG2 · 1,0 Kg · Ø 0,8 mm
33805003	Drive roll · Ø 30 mm · 0,6 ÷ 0,8 mm
30900030	Gas hose KIT · 2 m

OPTIONAL

99900171A	Trolley
43205028K	MMA welding cable · 16 mm ² · 3 m
23020173	TIG torch · Tig 17V · 4 m · with gas valve



FOX 191

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	2,4 KW	2,8 KW	2,8 KW
U _o	70 V	70 V	70 V
Amp. Min-Max	25 ÷ 180 A	20 ÷ 180 A	5 ÷ 180 A
Duty cycle 40°C	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%	200A @ 35% 150A @ 60% 120A @ 100%
Steel	0,6 ÷ 1,0 Ø mm	-	-
Stainless steel	0,8 ÷ 1,0 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,9 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 4,0 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	220x480x385 mm		
Box dimensions (LxWxH)	260x590x435 mm		
Gross/net weight	12,5 / 10,5 Kg		
Part number	99820052		


INCLUDED

23000491	MIG torch 15 · Euro connection · 3 m
43210138	Ground cable · 16 mm ² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805023	Drive roll · Ø 30 mm · 0,6 ÷ 0,8/0,9 mm
30900030	Gas hose KIT · 2 m

OPTIONAL

99900171A	Trolley
23020173	TIG torch · Tig 17V · 4 m · with gas valve
43205028K	MMA welding cable · 16 mm ² · 3 m


FOX 211

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	5,5 KVA		
U _o	35 V	65 V	65 V
Amp. Min-Max	20 ÷ 200 A	5 ÷ 200 A	5 ÷ 200 A
Duty cycle 40°C	200A @ 35% 160A @ 60% 140A @ 100%	200A @ 35% 150A @ 60% 120A @ 100%	200A @ 35% 150A @ 60% 120A @ 100%
Steel	0,6 ÷ 1,0 Ø mm	-	-
Stainless steel	0,8 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,9 Ø mm	-	-
CuSi ₃	0,8 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 5,0 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	220x520x385 mm		
Box dimensions (LxWxH)	260x640x435 mm		
Gross/net weight	23 / 19 Kg		
Part number	99820053A		


INCLUDED

23000494	MIG torch ErgoPlus 25 · Euro connection · 3 m
43210132	Ground cable · 25 mm ² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
30900030	Gas hose KIT · 2 m

OPTIONAL

99900171A	Trolley
23020199	TIG torch · Tig 26V · 4 m
43205049K	MMA welding cable · 16 mm ² · 3 m



OPTIONAL FOR FOX RANGE

OPTIONAL "EASY GAS"

	22905118	Pressure regulator Micro 130 bar · no manometer
	04600404	Gas bottle plastic support
	21900001	Disposable gas bottles CO ₂
	21900002	Disposable gas bottles Argon
	21900003	Disposable gas bottles Argon CO ₂
	99900171A	Trolley

OPTIONAL "FULL GAS"

99900258A	Trolley HD AIR



PUMA 191

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	2,3 KVA		
U _o	MIG 70 V	MMA 70 V	TIG 70 V
Amp. Min-Max	25 ÷ 180 A	20 ÷ 180 A	5 ÷ 180 A
Duty cycle 40°C	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%
Steel	0,6 ÷ 0,8 Ø mm	-	-
Stainless steel	0,8 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,9 Ø mm	-	-
CuSi ₃	0,8 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 3,25 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	460x770x660 mm		
Box dimensions (LxWxH)	360x795x530 mm		
Gross/net weight	37 / 33 Kg		
Power source part number	99820065		

KIT Part number	99820065K
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PUMA 191 · KIT VERSION

99820065	Power source · Puma 191 (no accessories)
23000491	MIG torch MIG 15 · Euro connection · 3 m
43210138	Ground cable · 16 mm ² · 2 m
33805003	Drive roll · Ø 30 mm · 0,6 ÷ 0,8 mm

KIT PART NUMBER · 99820065K
OPTIONAL

23020173	TIG Torch · Tig 17V · 4 m
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PUMA 256

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	5,6 KW	5,6 KW	5,6 KW
U _o	30 V	56 V	10 V
Amp. Min-Max	30 ÷ 250A	20 ÷ 200 A	10 ÷ 250 A
Duty cycle 40°C	250A @ 30% 190A @ 60% 170A @ 30%	200A @ 30% 170A @ 60% 150A @ 100%	250A @ 30% 190A @ 60% 170A @ 100%
Steel	0,8 ÷ 1,0 Ø mm		
Stainless steel	0,8 ÷ 1,0 Ø mm		
Aluminium	1,0 ÷ 1,2 Ø mm		
Flux core	1,0 ÷ 1,2 Ø mm		
CuSi ₃	0,8 Ø mm		
Ø Electrode		1,6 ÷ 4 Ø mm	
Electrode type		6013 - 7018	
Insulation	H		
Protection degree	IP23S		
Dimensions (LxWxH)	450x840x710 mm		
Box dimensions (LxWxH)	365x895x650 mm		
Gross/net weight	32 / 30 Kg		
Power source part number	99820061		

KIT Part number	99820061K
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PUMA 256 · KIT VERSION

99820061	Power source · Puma 256 (no accessories)
23000494	MIG Torch MIG 25 · Euro connection · 3 m
43210253	Ground cable · 25 mm ² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO ₂ /Argon · 2 manometers
22910014	Adaptor for gas bottle

KIT PART NUMBER · 99820061K
OPTIONAL

23020199	TIG Torch · Tig 26V · 4 m
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PUMA 278

Input power	(3ph) 400V ± 10% · 50/60Hz
	MIG
Power 60%	4,8 KW
U _o	30 V
Amp. Min-Max	30 ÷ 250A
Duty cycle 40°C	250A @ 35% 190A @ 60% 150A @ 100%
Steel	0,8 ÷ 1,0 Ø mm
Stainless steel	0,8 ÷ 1,0 Ø mm
Aluminium	1,0 ÷ 1,2 Ø mm
Flux core	1,0 ÷ 1,2 Ø mm
CuSi ₃	0,8 Ø mm
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	450x840x710 mm
Box dimensions (LxWxH)	365x895x650 mm
Gross/net weight	32 / 30 Kg
Power source part number	99825017A

KIT Part number	99825017KA
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PUMA 278 · KIT VERSION

99825017A	Power source · Puma 278 (no accessories)
23000494	MIG Torch 25 · Euro Connection · 3 m
43210253	Ground cable · 25 mm ² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO ₂ /Argon · 2 manometers
22910014	Adaptor for gas bottle

KIT PART NUMBER · 99825017KA



PUMA 298

Input power	(3ph) 400V ± 10% · 50/60Hz		
	MIG	MMA (rutile only)	TIG
Power 60%	6 KW	6 KW	5,8 KW
U _o	35 V	54 V	54 V
Amp. Min-Max	30 ÷ 290A	20 ÷ 250 A	10 ÷ 290 A
Duty cycle 40°C	290A @ 35% 220A @ 60% 170A @ 100%	250A @ 35% 190A @ 60% 150A @ 100%	290A @ 35% 220A @ 60% 170A @ 100%
Steel	0,8 ÷ 1,0 Ø mm		
Stainless steel	0,8 ÷ 1,0 Ø mm		
Aluminium	1,0 ÷ 1,2 Ø mm		
Flux core	1,0 ÷ 1,2 Ø mm		
CuSi ₃	0,8 Ø mm		
Ø Electrode		1,6 ÷ 5 Ø mm	
Electrode type		6013 rutile	
Insulation	H		
Protection degree	IP23S		
Dimensions (LxWxH)	450x840x710 mm		
Box dimensions (LxWxH)	365x895x650 mm		
Gross/net weight	37 / 35 Kg		
Power source part number	99825016		

KIT Part number	99825016K
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PUMA 298 · KIT VERSION

99825016	Power source · Puma 298 (no accessories)
23000494	MIG Torch MIG 25 · Euro connection · 3 m
43210254	Ground cable · 35 mm ² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO ₂ /Argon · 2 manometers
22910014	Adaptor for gas bottle

KIT PART NUMBER · 99825016K



OPTIONAL

23020199	Torgia TIG · Tig 26V · 4 m
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PLASMA CUTTING

◦ PLASMA CUTTING



PC 33	1ph · 28A · 230V	PAG. 26
PC 43	1ph · 40A · 230V	PAG. 26
COMBI PC 302K	1ph · 30A · 230V	PAG. 27



PC 33	
Plasma torch	PT40
Input voltage	(1ph) 230V ± 10% · 50/60Hz
Power 60%	2,8 KVA
U_o	310 V
Amp Min-Max	12 ÷ 28 A
Duty cycle 40°C	28A @ 30% 12A @ 100%
Severance	10 mm
Quality cutting	8 mm
Air pressure	4 - 5 bar
Air capacity	100 l/min
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	155x430x320 mm
Box dimensions (LxWxH)	260x560x355 mm
Gross/net weight	10,6 / 9,7 kg
Part number	99830024

The Plasma, based on Inverter technology, guarantees accurate and clean plasma cut up to 8 mm thickness. Easy to handle and operate, this system is suitable for cutting thin materials at high speed. The front panel is provided with clear and simple graphics for the adjustment of the cutting current and to indicate the intervention of any of the internal safety devices. Extra operator protection is provided by a special Start system. It is well suited for auto body repair shops, air conditioning systems and general plate working.



INCLUDED	
23010070	Plasma torch · PT40 · 4 m
43210150	Ground cable · 6 mm ² · 4 m

CONSUMABLE KIT INCLUDED	
23015186	Contact tip · Ø 0,8 mm · 20 - 30 A
23015189	Contact tip · Ø 0,65 mm · 10 - 20 A
23015187	Electrode



PC 43	
Plasma torch	PT40
Input voltage	(1ph) 230V ± 10% · 50/60Hz
Power 60%	3,3 KVA
U_o	350 V
Amp Min-Max	15 ÷ 40 A
Duty cycle 40°C	40A @ 20% 25A @ 60% 20A @ 100%
Severance	15 mm
Quality cutting	13 mm
Air pressure	4 - 5 bar
Air capacity	100 l/min
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	155x430x320 mm
Box dimensions (LxWxH)	260x560x355 mm
Gross/net weight	11,8 / 10,8 kg
Part number	99830019

The Plasma, based on Inverter technology, guarantees accurate and clean plasma cut up to 8 mm thickness. Easy to handle and operate, this system is suitable for cutting thin materials at high speed. The front panel is provided with clear and simple graphics for the adjustment of the cutting current and to indicate the intervention of any of the internal safety devices. Extra operator protection is provided by a special Start system. It is well suited for auto body repair shops, air conditioning systems and general plate working.



INCLUDED	
23010070	Plasma torch · PT40 · 4 m
43210150	Ground cable · 6 mm ² · 4 m

CONSUMABLE KIT INCLUDED	
23015224	Contact tip · Ø 0,9 mm · 30 - 40 A
23015186	Contact tip · Ø 0,8 mm · 20 - 30 A
23015189	Contact tip · Ø 0,65 mm · 10 - 20 A
23015187	Electrode



PC COMBI 302K

Plasma torch	PT40C	
Input voltage	(1ph) 230V ± 10% · 50/60Hz	
Power 60%	2,5 / 3 KVA	
U_o	310 V	
	Internal compressor	External air
Amp Min-Max	12 ÷ 25 A	12 ÷ 28 A
Duty cycle 40°C	25A @ 40% 12A @ 100%	28A @ 30% 12A @ 100%
Severance	8 mm	10 mm
Air pressure	-	4,5 bar
Air capacity	-	100 l/min
Insulation	H	
Protection degree	IP22S	
Dimensions (LxWxH)	200x435x395 mm	
Box dimensions (LxWxH)	290x560x400 mm	
Gross/net weight	20,4 / 19 kg	
Part number	99830015	

Plasma cutting systems based on inverter technology with internal compressor. Portable, single-phase, microprocessor-controlled and equipped with pneumatic torch without HF. Easily used even at some distance from a compressed air source, they produce quality cutting on all conductor materials such as steel, stainless steel, aluminium, copper, brass, etc. Suitable for lightweight and heavy bodywork, maintenance of large installations, air conditioning systems, shipyards and metalwork in general.



INCLUDED

23010067	Plasma torch · PT40C · 4 m
43210150	Ground cable · 6 mm ² · 4 m

CONSUMABLE KIT INCLUDED

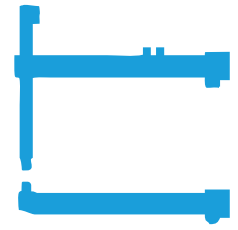
23015186	Contact tip · Ø 0,8 mm · 20 - 30 A
23015189	Contact tip · Ø 0,65 mm · 10 - 20 A
23015187	Electrode
23015188	Retaining cap · 6 holes (for external compressor)





SPOT WELDING

◦ SPOT WELDING



SPOT CAR EVO 4000	1ph · 230V	PAG. 30
SPOT CAR EVO 5000	1ph · 230V	PAG. 30
SPOT CAR ALU 33	1ph · 230V	PAG. 31
SPOT CAR ALU 66	1ph · 230V	PAG. 31
SPOTWELD 21	1ph · 230V	PAG. 31
SPOTWELD 22E	1ph · 230V	PAG. 31

SPOT CAR EVO 4000

Input voltage	(1ph) 230V ± 10% · 50/60Hz
Power 50%	2,5 KVA
Max peak power	13 KVA
Delayed fuse	T16 A
U_o	8 V
Amp. Out	2850 (2%) A
Amp. Out Max	3200 A
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	250x370x280 mm
Box dimens. (LxWxH)	290x490x365 mm
Gross/net weight	23,8 / 23,3 kg
Part number	99500043



Multifunction Spotter ideal for quick works on car body, controller by microprocessor easy and fast setting through synergic programs for welding washers, rivets, wavy wires, heating and squeezing function included. Automatic start contact system or manual. Possibility to set the automatic spot welding time. Supplied with gun, hearth cable, Kit accessories included: Hammer, 10 pieces three point washers kit, cylindrical head for three point washers, carbon electrode, squeezing electrode


INCLUDED

99920108	Ground cable · 50 mm ² · 2,2 m
99920122	Fast ground · 16 mm ² · 2 m
99920218	Spot gun · 50 mm ² · 2 m · 3 pin
99920525	Accessories box
99920126	Puller hammer without handle
99920048	Mandrel for 3 points washers
99920042	Carbon lectrode · 10 x 300 · lots of 5 pcs
99920524	Electrode for squeezing · Ø 16 mm
99920127	3 points washers · lots of 10 pcs

OPTIONAL

99900194A	Trolley
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SPOT CAR EVO 5000

Input voltage	(1ph) 400V ± 10% · 50/60Hz
Power 50%	6 KVA
Max peak power	13 KVA
Delayed fuse	T20 A
U_o	7,5 V
Amp. Out	3600 (3,5%) A
Amp. Out Max	5000 A
Insulation	H
Protection degree	IP22S
Dimensions (LxWxH)	250x370x280 mm
Box dimens. (LxWxH)	290x490x365 mm
Gross/net weight	29,7 / 28,7 kg
Part number	99500044



Multifunction Spotter ideal for quick works on car body, controller by microprocessor easy and fast setting through synergic programs for welding washers, rivets, wavy wires, heating and squeezing function included. Automatic start contact system or manual. Possibility to set the automatic spot welding time. Supplied with gun, hearth cable, Kit accessories included: Hammer, 10 pieces three point washers kit, cylindrical head for three point washers, carbon electrode, squeezing electrode


INCLUDED

99920108	Ground cable · 70 mm ² · 2,2 m
99920122	Fast ground · 16 mm ² · 2 m
99920218	Spot gun · 70 mm ² · 2 m · 3 pin
99920525	Accessories box
99920126	Puller hammer without handle
99920048	Mandrel for 3 points washers
99920042	Carbon lectrode · 10 x 300 · lots of 5 pcs
99920524	Electrode for squeezing · Ø 16 mm
99920127	3 points washers · lots of 10 pcs

OPTIONAL

99900194A	Trolley
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	SPOT CAR ALU 33	SPOT CAR ALU 66
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Input voltage	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz
Fuse	T6,3 A	T6,3 A
V _o	< 20 V	< 20 V
C	33000 µF	66000 µF
E	650 Joule max	1500 Joule max
T _s	1 ms	1,5 ms
Alu studs Ø	3 - 6 mm	3 - 8 mm
Dimensions (LxWxH)	250x370x280 mm	250x370x280 mm
Box dimens. (LxWxH)	290x560x400 mm	290x560x400 mm
Gross/net weight	16 / 15 kg	18 / 16,9 kg
Part number	99500039	99500040

Spot Car Alu is a power source for capacitor discharge welding of studs from M3 to M8. Particularly suitable for quick repairs on aluminum bodywork. Controlled by a microprocessor. It is equipped with an advanced safety system that allows the discharge of the capacitor only when in contact with the piece.



INCLUDED	
99920500	Fast Gun + Ground cable · 3 m · 3 pin
99920134	Accessories box
	Electrode for AL studs · for M4 Washers KIT · Kit of 5 pcs · for M4 Screw - AlMg3 · 100 pcs · M4 x 16 mm Screw - AlSi12 · 100 pcs · M4 x 16 mm

OPTIONAL	
99900194A	Trolley
99920141	Pull system

	SPOTWELD 21	SPOTWELD 22E
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Input voltage	(1ph) 230V ± 10% · 50/60Hz	(1ph) 230V ± 10% · 50/60Hz
Delayed fuse	16 A	25 A
Power 50%	1,3 KVA	1,6 KVA
Spot current	3800 (1,5%) Max A	6900 (1,5%) Max A
Max.	1 + 1 mm	2 + 2 mm
Spots / Thickness	300 / 1 + 1 N°/mm	300 / 1 + 1 N°/mm
U _o Max.	2 V	2,5 V
Power Max.	6 KW	13 KW
Dimensions (LxWxH)	100x440x185 mm	100x440x185 mm
Box dimens. (LxWxH)	165x455x340 mm	165x455x340 mm
Gross/net weight	11,0 / 10,6 kg	11,4 / 11,1 kg
Part number	99500030	99500022

Portable spot-welders which can be directly connected to a grounded power outlet. Designed to be used in demanding applications, the SPOT-WELD is available in two versions: in the first model, spot-welding time is manually controlled by the operator, whereas the second version has electronic time control. The high level of transformer insulation safeguards the operator. Simplicity and low operating costs are the strong points of the SPOT-WELD range. Not suitable for intensive use.





SAFETY

GoodPRO
Vodac

helvi

SAFETY

WELDING MASKS

	PART NUMBER	DESCRIPTION	OPTIC CLASS
STORM VISION 4.1 + HELVI BAG XL	99900269	Welding mask with respiartor · 4 Sensors	1 / 1 / 1 / 1
VISION 4.1 + HELMET BAG	21905147K	Welding mask · 4 Sensors	1 / 1 / 1 / 1
SKY 4.0 + HELMET BAG	21905179K	Welding mask · 4 Sensors	1 / 1 / 1 / 2
VISION 2.1 + HELMET BAG	21905100K	Welding mask · 2 Sensors	1 / 1 / 1 / 2
SKY 2.0 + HELMET BAG	21905125K	Welding mask · 2 Sensors	1 / 1 / 1 / 2
MIRAGE	21905182	Manual welding mask · DIN 11	-
HELMET BAG	21905181	Practical bag for welding masks	-

WELDING CLOTHING

	PART NUMBER	DESCRIPTION	AVAILABLE SIZES (European)
JACKET	21905135	Welding jacket	48 - 50 - 52 - 54 - 56
THROUSERS	21905136	Welding throusers	48 - 50 - 52 - 54 - 56
TIG GLOVES	21905133	Professional welding gloves	09 - 10
MIG/MMA GLOVES	21905134	Professional welding gloves	10 - 11
SPLIT LEATHER GLOVES	21905177	Professional welding gloves	One-size-fits-all
APRON	21905176	Welding apron	One-size-fits-all

FUME EXTRACTORS

	PART NUMBER	HOSE TYPE	Ø HOSE	HOSE LENGTH	FILTRATION EFFICIENCY	NOISE LEVEL
PFE	99900320	Flexible	55 mm	2000 mm	99 %	80 dBA
MFE (NO HOSE)	99900321	-	-	-	E12 > 99,5 %	73 dBA
MFE HD (NO HOSE)	99900322	-	-	-	E12 > 99,5 %	73 dBA
BRACCIO ARMOTECH	99900301	Rigid	160 mm	3000 mm	-	-
BRACCIO ARMOFLEX	99900302	Flexible	160 mm	3000 mm	-	-

4 SENSORS · STORM VISION 4.1 + HELVI BAG XL
99900269


Additional filter for INOX welding



Optical Class **1/1/1/1**
 Filter size **133 x 114 x 9 mm**
 Viewing area **97 x 62 mm**
4 Sensors · Light Shade 3.5
 Darkness Shade **5 - 8 / 9 - 13** variable
 Grinding **YES DIN 4** Fixed
 Protection Adjustment **Internal**, variable shade
 UV/IR Protection up to **DIN 16**
 Switching time from Light to Dark **1/25000s**
 Switching time from Dark to Light **0.05 - 1.0s**
 Sensitivity/Delay **adjustable** by digital control (**10 levels**)
 Power Supply **Solar cells + 2 x CR2450 Lithium batteries**
 ON/OFF: manual ON - Automatic OFF
 Low Battery alarm **YES**, red pilot lamp
 Min Amp/TIG Rating \geq **2A AC - DC**
 True Color filter **YES**


RESPIRATOR TECHNICAL DATA

2 air flow levels: **170 lpm** and **210 lpm**
 Filter efficiency: **99,97%** · Battery life: **9 h (170 lpm)**
 Recharge time: **1 h** · Weight: **1kg** · Approval: **EN12941- TH2t**


TIG · MIG · MMA · PLASMA · GRINDING
SPARE PARTS

EXTERNAL GLASS	21905076	133 x 114 x 1 mm
INTERNAL GLASS	21905079	96,9 x 65,7 x 1 mm
STANDARD BATTERY	21905155	-
EXTENDED BATTERY	21905156	-
EXTERNAL PROTECTION	21905159	-
FILTER PROTECTION	21905158K	(5 pieces KIT)
PARTICULATE FILTER	21905157	-
GAS FILTER	21905161	-

4 SENSORS · VISION 4.1 + HELMET BAG

21905147K



TRUE
COLORS 

Optical Class **1/1/1/1**
 Filter size **133 x 114 x 9 mm**
 Viewing area **97 x 62 mm**
4 Sensors
 Light Shade **3.5**
 Darkness Shade **5 - 8 / 9 - 13** variable
 Grinding **YES DIN 4** Fixed
 Protection Adjustment **Internal**, variable shade
 UV/IR Protection up to **DIN 16**
 Switching time from Light to Dark **1/25000s**
 Switching time from Dark to Light **0.05 - 1.0s**
 Sensitivity/Delay **adjustable** by digital control (**10 levels**)
 Power Supply **Solar cells + 2 x CR2450 Lithium batteries**
 ON/OFF: manual ON - Automatic OFF
 Low Battery alarm **YES**, red pilot lamp
 Min Amp/TIG Rating \geq **2A AC - DC**
 True Color filter **YES**



TIG · MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	21905076	133 x 114 x 1 mm
INTERNAL GLASS	21905079	96,9 x 65,7 x 1 mm

4 SENSORS · SKY 4.0 + HELMET BAG

21905179K



TRUE
COLORS 

Optical Class **1/1/1/2**
 Filter size **110 x 90 x 9 mm**
 Viewing area **100 x 53 mm**
4 Sensors
 Light Shade **4**
 Darkness Shade **5 - 8 / 9 - 13** variable
 Grinding **YES DIN 4** Fixed
 Protection Adjustment **External**, variable shade
 UV/IR Protection up to **DIN 16**
 Switching time from Light to Dark **1/25000s**
 Switching time from Dark to Light **0.1 - 1.0s**
 Sensitivity/Delay **adjustable** by infinite knob
 Power Supply **Solar cells + 1 x CR2032 Lithium battery**
 ON/OFF: Automatic
 Low Battery alarm **YES**, red pilot lamp
 Min Amp/TIG Rating \geq **5A AC - DC**
 True Color filter **YES**



TIG · MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	21905168	120 x 104 x 1 mm
INTERNAL GLASS	21905169	105,6 x 58 x 0,8 mm

2 SENSORS · VISION 2.1 + HELMET BAG
21905100K

**TRUE
COLORS**

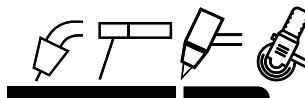
Optical Class **1/1/1/2**
 Filter size **110 x 90 x 9 mm**
 Viewing area **98 x 44 mm**
2 Sensors
 Light Shade **3.5**
 Darkness Shade **9 - 13**
 Grinding **YES**
 Protection Adjustment **Internal**, variable shade
 UV/IR Protection up to **DIN 16**
 Switching time from Light to Dark **1/16000s**
 Switching time from Dark to Light **0.1 - 1.0s**
 Sensitivity/Delay **adjustable** by infinite knob
 Power Supply **Solar cells** and **2 Alkaline AAA batteries**
 ON/OFF Automatic
 Low Battery alarm **YES**, red pilot lamp
 Min Amp/TIG Rating \geq **5A AC - DC**
 True Color filter **YES**


MIG · MMA · PLASMA · GRINDING
SPARE PARTS

EXTERNAL GLASS	21905077	114 x 100 x 1,5 mm
INTERNAL GLASS	21905078	95,9 x 47,2 x 1 mm

2 SENSORS · SKY 2.0 + HELMET BAG
21905125K


Optical Class **1/1/1/2**
 Filter size **110 x 90 x 9 mm**
 Viewing area **98 x 42 mm**
2 Sensors
 Light Shade **4**
 Darkness Shade **9 - 13**
 Grinding **YES**
 Protection Adjustment **External**, variable shade
 UV/IR Protection up to **DIN 16**
 Switching time from Light to Dark **1/25000s**
 Switching time from Dark to Light **0.1 - 1.0s**
 Sensitivity/Delay **adjustable** by infinite knob
 Power Supply **Solar cells** and **1 CR2032 batteries**
 ON/OFF Automatic
 Low Battery alarm **YES**, red pilot lamp
 Min Amp/TIG Rating \geq **10A AC - DC**
 True Color filter **NO**


MIG · MMA · PLASMA · GRINDING
SPARE PARTS

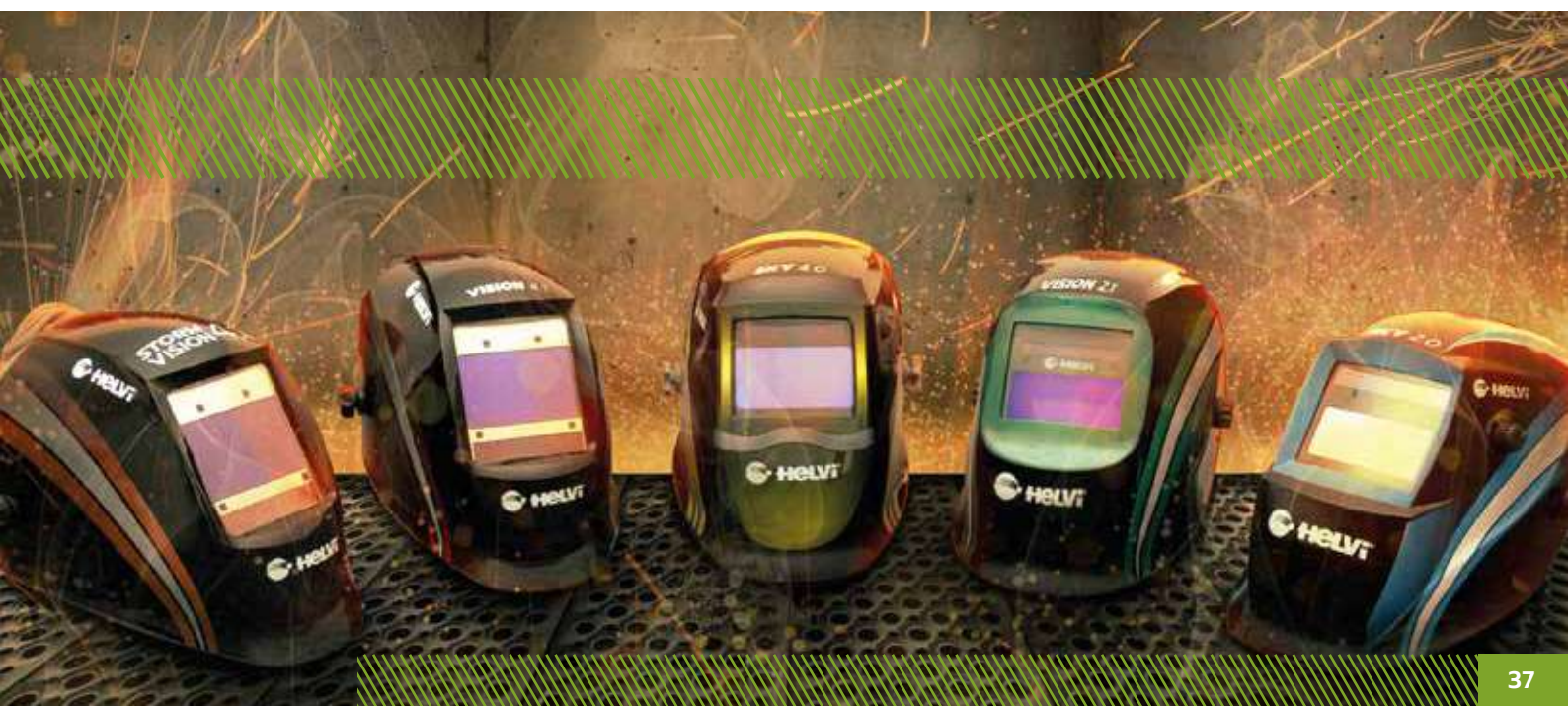
EXTERNAL GLASS	21905128	117 x 104 mm
INTERNAL GLASS	21905129	101 x 49 mm

MANUAL CONTROL · MIRAGE
21905182


Filter size **110 x 90 x 5 mm**
 Viewing area **110 x 90 mm**
 Darkness Shade **DIN11**
 Grinding **YES**
 UV/IR Protection up to **DIN 16**


MIG · MMA · PLASMA · GRINDING
SPARE PARTS

EXTERNAL GLASS	21905184	110,5 x 93 mm
INTERNAL GLASS	21905183	110 x 90 x 5 mm

HELMET BAG
21905181




1

2

Protective clothing against heat risks designed specifically for welding.

Made of 100% cotton with permanent treatment PROBAN® flame retardant.

Materials: 100% cotton, weight 340 g/m², FL PROBAN® permanent treatment

Performance was checked after 50 cycles of washing and are still certified the same.

PROBAN® is a technological process of controlled quality which provides fabrics with flame retardant properties suitable for long term use.

PROBAN® fabrics resist regeneration / recycling and dry cleaning processes. Protection against heat risks in different work environments is guaranteed for a long time.



EN ISO 11612
A1 A2 B1 C1 F1



EN ISO 11611
class 1

1 WELDING JACKET



AVAILABLE SIZES

48	50	52	54	56	•
M	M/L	L	XL	XXL	

21905135

2 WELDING TROUSERS



AVAILABLE SIZES

48	50	52	54	56	•
M	M/L	L	XL	XXL	

21905136

1

3

2

3

WELDING GLOVES

FOR TIG WELDING



EN: 388:2016



EN: 407:2004



433X2X

AVAILABLE SIZES

09 · 10

21905133

FOR MIG/MMA WELDING



EN: 388:2016



EN: 407:2004



433X2X

AVAILABLE SIZES

10 · 11

21905134

SPLIT LEATHER FOR WELDING



EN: 388:2016



3222

EN: 407:2004



AVAILABLE SIZES

ONE SIZE FITS ALL

21905177

4

WELDING APRON



EN: 388:2016



3222

EN: 407:2004



413X4X

EN ISO 11611:2015



Class 2 A1



AVAILABLE SIZES

ONE SIZE FITS ALL

21905176

PFE · Portable fume extractor

Input voltage	1ph · 230V 50Hz
Hose	Flessibile
Ø Hose	50 mm
Hose length	2000 mm
Motor power	1,1 KW
Airflow	250 m³/h
Extraction capacity	110 m³/h
Filter type	Filtrazione a 3 stadi
Filtration efficiency	99%
Noise level	80 dB
Dimensions (LxWxH)	520x255x470 mm (senza braccio)
Box (LxWxH)	800x600x450 mm
Weight gross/net	20 Kg
Part number	99900320


NEW

MFE · Mobile fume extractor

Input voltage	1ph · 230V 50Hz
Motor power	1,1 KW
Airflow	2500 m³/h
Extraction capacity	1100 m³/h
Filter type	Filtro a tasca
Filtration stages	3
Filtration efficiency	E12 > 99,5 %
Superficie filtrante	14,5 m²
Noise level	73 dB
Dimensions (LxWxH)	1010x520x920 mm
Box (LxWxH)	1150x550x1050 mm
Weight gross/net	85 Kg
Part number	99900321


NEW

MFE HD · Mobile fume extractor

Input voltage	1ph · 230V 50Hz
Motor power	1,1 KW
Airflow	2500 m³/h
Extraction capacity	1100 m³/h
Filter type	Filtro a tasca
Filtration stages	3
Filtration efficiency	E12 > 99,5 %
Superficie filtrante	14,5 m²
Noise level	73 dB
Dimensions (LxWxH)	600x800x1200 mm
Box (LxWxH)	660x840x1380 mm
Weight gross/net	105 Kg
Part number	99900322


NEW


	ARMOTECH	ARMOFLEX
Hose	Rigido	Flessibile
Ø Hose	160 mm	160 mm
Hose length	3000 mm	3000 mm
Box (LxWxH)	1610x550x380 mm	1610x550x380 mm
Gross weight	21 Kg	16 Kg
Part number	99900301	99900302



ARMOTECH



ARMOFLEX

3 STAGES FILTER (PFE)



- 1 ANTI-SPARKS METALLIC FILTER
- 2 FILTER CARTRIDGE - Efficiency 99%
- 3 CARBON FILTER

SPARE PARTS

1	99900242	Dimensions: 240x337x12 mm
2	99900243	Dimensions: Ø 195mm · L=28 mm
3	99900244	Dimensions: 240x292 mm

3 STAGES HEPA FILTER (MFE · MFE HD)



- 1 **METALLIC FILTER CELL + CORRUGATED**
Material: Aluminum fiber
Regeneration: Yes, washable

Material: Polyester fiber
Regeneration: Yes, by shacking
- 2 **RIGID HEPA GLASS MICROFIBER POCKET FILTER**
Material: Glass fiber E12
Regeneration: NO (needs replacement)

MFE SPARE PARTS

1	99900305	Dimensions: 490x592x48 mm
2	99900238	Dimensions: 490x592x48 mm

MFE HD SPARE PARTS

1	99900306	Dimensions: 490x592x98 mm
2	99900238	Dimensions: 490x592x98 mm

OPTIONAL

99900241	CARBON FILTER 10 Kg Dimensions: 292x648x48 mm
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ACCESSORIES & SPARE PARTS

○ ACCESSORIES & SPARE PARTS

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MMA ACCESSORIES
All Welding Kits include: Mask · Ground cable · Electrode holder · Brush - Hammer

	99900037	Arc welding KIT · 16 mm² 3 + 2 mt · 25 mm² connector	Sparc 120 - 160 - 200	
	99900014	Arc welding KIT · 25 mm² 3 + 2 mt · 25 mm² connector	Sparc 120 - 160 - 200	
	99900099	Arc welding KIT · 25 mm² 3 + 2 mt · 50 mm² connector	JET 160 - 200 · Galileo 160 - 200 Galileo TIG 219HF - 211 Easy AC/DC	

GROUND CABLES & WELDING CABLES

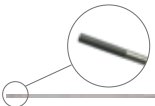
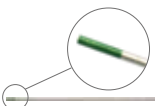



	43210138K	Ground cable with clamp kit for 25 mm² connector · 16 mm² · 2,0 mt	mini Fox 161 · Fox 165 - 185 - 191 Sparc 120 - 160 - 200 · Puma 191	
	43210170K	Ground cable with clamp kit per 50 mm² connector · 25 mm² · 2,0 mt	Galileo 160 - 200 · TIG 219 HF Galileo TIG 211 Easy AC/DC	
	43210132K	Ground cable with clamp kit per 50 mm² connector · 25 mm² · 3,0 mt	Fox 211 · Puma 256 - 278	
	43210142K	Ground cable with clamp kit per 50 mm² connector · 35 mm² · 3,0 mt	Puma 298	
	43205028K	Welding cable with electrode holder 25 mm² connector · 16 mm² · 3,0 mt	Sparc 160 - 200 · Puma 191 Fox 165 - 185 - 191	
	43205049K	Welding cable with electrode holder 50 mm² connector · 16 mm² · 3,0 mt	Fox 211	
	43205040K	Welding cable with electrode holder 50 mm² connector · 25 mm² · 3,0 mt	Galileo 160 - 200 · TIG 219 HF Fox 211 · Puma 256 - 298	
	22110007	Earth clamp 200A Type · Kit 160 A - 180 A	Fox 165 - 185 - 191 · Sparc 120 · Puma 191	
	22110033	Earth clamp 300A Type · Kit 250 A - 300 A	Sparc 160 - 200 Galileo 160 - 200 · Galileo TIG 219HF Fox 211 · Puma 256 - 278 - 298	
	22110011	Electrode holder 352 Type · Kit 140 A - 160 A	Sparc 120 · Fox 165	
	22110010	Electrode holder 202 Type · Kit 180 A - 250 A - 300 A	Sparc 160 - 200 - Fox 185 - 191 - 211 Galileo 160 - 200 - TIG 219HF Puma 191 - 256 - 278 - 298	
	22100001	Plug · 25 mm²	-	
	22100003	Plug · 50 mm²	-	
	22100010	Plug · 95 mm²	-	
	22100020	Connector adapter · 25-50 mm²	-	
	10210057	Welding cable · 16mm² Lenght on demand	-	
	10210059	Welding cable · 25mm² Lenght on demand	-	

TIG ACCESSORIES



ACCESSORIES · TIG TORCHES

	23020173	Tig 17V · 4 mt · with gas valve · conn. 25 mm² Consumables KIT Ø 1,6 mm	Sparc 120 - 160 - 200 Fox 185 · Puma 191	
	23020159	Tig 17V · 4 mt · with gas valve · conn. 50 mm² Consumables KIT Ø 1,6 mm	Jet 160 - 200 Galileo 160 - 200	
	23020199	Tig 26V · 4 mt · with gas valve · conn. 50 mm² Consumables KIT Ø 2,4 mm	Fox 211 Puma 256 - 298	
	23020157	ExperTig 26 · 4 mt · conn. 50 mm² · 3 Pin Consumables KIT Ø 2,4 mm	Galileo TIG 219HF	
	23020198	ExperTig 26 · 8 mt · conn. 50 mm² · 3 Pin Consumables KIT Ø 2,4 mm	Galileo TIG 219HF	
	23020176	ExperTig 26 · 4 mt · conn. 50 mm² · 12 Pin Consumables KIT Ø 2,4 mm	Galileo TIG 211 Easy AC/DC	
	23020189	ExperTig 26 · 8 mt · conn. 50 mm² · 12 Pin Consumables KIT Ø 2,4 mm	Galileo TIG 211 Easy AC/DC	
	23020409	Tig26 · 4 mt · conn. 50 mm² · 3 Pin Consumables KIT Ø 2,4 mm	Galileo TIG 219HF	
	23020410	Tig26 · 4 mt · conn. 50 mm² · 12 Pin Consumables KITi Ø 2,4 mm	Galileo TIG 211 Easy AC/DC	


SPARE PARTS · TIG CONSUMABLES

	23025006	Cerium tungsten electrode (grey) · Ø 1,6 mm · Lots of 10 pcs	
	23025015	Cerium tungsten electrode (grey) · Ø 2,4 mm · Lots of 10 pcs	
	23025019	Cerium tungsten electrode (grey) · Ø 3,2 mm · Lots of 10 pcs	
	23025007	Pure tungsten electrode (green) · Ø 1,6 mm · Lots of 10 pcs	
	23025016	Pure tungsten electrode (green) · Ø 2,4 mm · Lots of 10 pcs	
	23025020	Pure tungsten electrode (green) · Ø 3,2 mm · Lots of 10 pcs	
	23025004	TIG collet · Ø 1,6 mm · Lots of 10 pcs	
	23025013	TIG collet · Ø 2,4 mm · Lots of 10 pcs	
	23025017	TIG collet · Ø 3,2 mm · Lots of 10 pcs	
	23025005	TIG collet body · Ø 1,6 mm · Lots of 10 pcs	
	23025014	TIG collet body · Ø 2,4 mm · Lots of 10 pcs	
	23025018	TIG collet body · Ø 3,2 mm · Lots of 10 pcs	
	23025008	Ceramic nozzle · GR.6 · Ø 9,8 mm · Lots of 5 pcs	
	23025009	Ceramic nozzle · GR.8 · Ø 12,7 mm · Lots of 5 pcs	

TIG TORCH CONNECTOR

	22105126	TIG torch male connector · 3 pins	-	
	22105166	TIG torch male connector · 12 pins	-	

REMOTE CONTROL











	99810021	Foot remote control 12 pins · 5 m	Galileo TIG 211 Easy AC/DC	
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MIG/MAG ACCESSORIES
ACCESSORIES · MIG/MAG TORCHES







	23000132	MIG TORCH TN 2,7 m · Black · Direct connection · Gas/No Gas	Fox 165	
	23000142K	MIG TORCH TN 14 2 m · Black · Direct connection · Gas/No Gas	mini Fox 161	
	23000491	MIG TORCH 15 3 m · Grey/Black · Euro connection	Fox 185 - 191 Puma 191	
	23000495	TRAFIMET ERGO PLUS 25 4 m · Black/Blue · Euro connection	Fox 211 Puma 256 - 278 - 298	
	23000494	TRAFIMET ERGO PLUS 25 3 m · Black/Blue · Euro connection OPTIONAL Aluminium KIT 04600384	Fox 211 Puma 256 - 278 - 298	

MIG/MAG ACCESSORIES

SPARE PARTS · MIG/MAG CONSUMABLES

TORCH 23000132 · MIG TN				TORCH 23000142K · MIG TN 14			
	23005491D	Torch neck			23005491D	Torch neck	
	23005516	Torch neck without gas valve			23005516	Torch neck without gas valve	
	23005018	Contact tip · \varnothing 0,6 mm lots of 20 pcs			23005018	Contact tip · \varnothing 0,6 mm lots of 20 pcs	
	23005019	Contact tip · \varnothing 0,8 mm lots of 20 pcs			23005019	Contact tip · \varnothing 0,8 mm lots of 20 pcs	
	23005020	Contact tip · \varnothing 1,0 mm lots of 20 pcs			23005182	Contact tip · \varnothing 0,9 mm lots of 20 pcs	
	23005021	Gas nozzle · \varnothing 12 mm · lots of 10 pcs			23005021	Gas nozzle · \varnothing 12 mm · lots of 10 pcs	
	23005096	Gas diffuser · lots of 10 pcs			23005096	Gas diffuser · lots of 10 pcs	

TORCH 23000491 · MIG 15				TORCHES 23000494 - 23000495 · MIG 25 (M6)			
	23005102	Torch neck			23005619	Torch neck	
	23005018	Contact tip · \varnothing 0,6 mm lots of 20 pcs			23005070	M6 Contact tip · \varnothing 0,6 mm lots of 20 pcs	
	23005019	Contact tip · \varnothing 0,8 mm lots of 20 pcs			23005038	M6 Contact tip · \varnothing 0,8 mm lots of 20 pcs	
	23005020	Contact tip · \varnothing 1,0 mm lots of 20 pcs			23005039	M6 Contact tip · \varnothing 1,0 mm lots of 20 pcs	
	23005029	Contact tip · \varnothing 1,2 mm lots of 20 pcs			23005040	M6 Contact tip · \varnothing 1,2 mm lots of 20 pcs	
	23005448	Contact tip · \varnothing 1,0 mm for Aluminium · lots of 20 pcs			23005112	M6 Contact tip · \varnothing 1,6 mm lots of 20 pcs	
	23005117	Gas nozzle · \varnothing 9,5 mm · lots of 10 pcs			23005036	Gas nozzle · \varnothing 15 mm lots of 10 pcs	
	23005021	Gas nozzle · \varnothing 12 mm · lots of 10 pcs				23005037	Spot welding nozzle lots of 10 pcs
	23005022	Spot welding nozzle lots of 10 pcs				23005034	Gas diffuser · lots of 10 pcs
	23005092	Gas diffuser · lots of 10 pcs				23005562	Brass wire inlet tube \varnothing 4,4 x 5 mm · L = 150 mm
	23005562	Brass wire inlet tube \varnothing 4,4 x 5 mm · L = 150 mm					

TORCHES 23000494 - 23000495 · MIG 25 (M8)			
	23005114	Torch neck	
	23005442	M8 Contact tip M8 · \varnothing 0,8 mm lots of 10 pcs	
	23005443	M8 Contact tip M8 · \varnothing 1,0 mm lots of 10 pcs	
	23005447	M8 Contact tip M8 · \varnothing 1,2 mm lots of 10 pcs	
	23005036	Gas nozzle · \varnothing 15 mm · lots of 10 pcs	
	23005037	Spot welding nozzle · lots of 5 pcs	
	23005444	Gas diffuser · lots of 10 pcs	
	23005562	Brass wire inlet tube \varnothing 4,4 x 5 mm · L = 150 mm	

MIG/MAG ACCESSORIES
ALUMINUM KIT FOR MIG TORCH 23000494

	04600384	23005443	Contact tip Ø 1,0 mm · M8 · AL	Fox 211 Puma 256 Puma 278 Puma 298
		23005444	Gas diffuser for MIG torch Ergo Plus 25 · M8	
		23005490	Wire liner · Grey · Graphite Ø 1,0 - 1,2 mm · 3,5 m · brass terminal	
		23005562	Brass wire inlet tube Ø 4,4 x 5 mm · L = 150 mm	

ALUMINIUM KIT FOR FOX RANGE




	04600557	23005035	Wire liner · Red · Teflon Ø 1,0 - 1,2 mm · 3,3 m	Fox 185 Puma 191
		33805104	Drive roll for Aluminium 0,8 - 1,0 mm · Ø 30 mm	
		23005562	Brass wire inlet tube Ø 4,4 x 5 mm · L = 150 mm	
	04600589	23005442	Contact tip · Ø 0,8 mm · M8 · AL	Fox 211
		23005443	Contact tip · Ø 1,0 mm · M8 · AL	
		23005444	Gas diffuser · for MIG torch Ergo Plus 25 · M8	
		23005490	Wire liner · Grey · Graphite Ø 1,0 - 1,2 mm · 3,5 m · brass terminal	
		33805104	Drive roll for Aluminium 0,8 - 1,0 mm · Ø 30 mm	
		23005562	Brass wire inlet tube Ø 4,4 x 5 mm · L = 150 mm	

SPARE PARTS · WIRE LINERS

	23005025	Wire liner · Ø 0,8 - 1,0 mm · 3,3 m · Steel · Blue	Torch 15
	23005041	Wire liner · Ø 1,0 - 1,2 mm · 3 m · Steel · Red	Torches 25
	23005106	Wire liner · Ø 1,0 - 1,2 mm · 5 m · Steel · Red	Torch 25
	23005111	Wire liner · Ø 1,2 - 1,6 mm · 5 m · Steel · Yellow	Torch 25
	23005035	Wire liner · Ø 1,0 - 1,2 mm · 3,3 m · Teflon · Red · for Stainless steel	Torch 25
	23005135	Wire liner · Ø 1,0 - 1,2 mm · 5,3 m · Teflon · Red · for Stainless steel	Torch 25
	23005586	Wire liner · Ø 1,0 - 1,2 mm · 3,5 m · Graphite · Grey · for Aluminium	Torch 25

MIG/MAG ACCESSORIES

DRIVE ROLLS FOR PLASTIC WIRE FEEDERS

	33805074	Drive roll · for steel and stainless steel 0,6 - 0,8/0,9 mm · Ø 25 mm · Knurled	Mini-Fox 161 Fox 165	
	33805023	Drive roll · for steel and stainless steel 0,6 - 0,8/0,9 mm · Ø 30 mm · tempered	Fox 191	
	33805128	Drive roll · for aluminium 0,8 - 1,0 mm · Ø 30 mm	Fox 191	



DRIVE ROLLS FOR METALLIC WIRE FEEDERS

	33805007	Wire block roll Ø 30 mm · lots of 5 pcs	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805003	Drive roll · for steel and stainless steel 0,6 - 0,8 mm · Ø 30 mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805071	Drive roll · for steel and stainless steel 0,6 - 0,9 mm · Ø 30 mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805101	Drive roll · for steel and stainless steel 0,8 - 1,0 mm · Ø 30 mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805005	Drive roll · for steel and stainless steel 1,0 - 1,2 mm · Ø 30 mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805067	Drive roll · for Flux core · 1,0 - 1,2 mm Ø 30 mm · Knurled	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805104	Drive roll · for aluminium 0,8 - 1,0 mm · Ø 30 mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805115	Drive roll · for aluminium 1,0 - 1,2 mm · Ø 30 mm	Puma 278 - 298	


MIG/MAG ACCESSORIES
WELDING WIRE REELS Ø 300 mm

	21910006	SG2 · Copper coated steel wire · Ø 0,6 · 15 Kg	
	21910007	SG2 · Copper coated steel wire · Ø 0,8 · 15 Kg	
	21910008	SG2 · Copper coated steel wire · Ø 1,0 · 15 Kg	
	21910025	SG2 · Copper coated steel wire · Ø 1,2 · 15 Kg	
	21910013	308 LSI · Stainless steel wire · Ø 0,8 · 15 Kg	
	21910026	Aluminium wire · Ø 0,8 · 7,2 Kg	

WELDING WIRE REELS Ø 200 MM

	21910003	SG2 · Copper coated steel wire · Ø 0,6 · 5 Kg	
	21910004	SG2 · Copper coated steel wire · Ø 0,8 · 5 Kg	
	21910005	SG2 · Copper coated steel wire · Ø 1,0 · 5 Kg	
	21910090	SG3 · Copper coated steel wire · Ø 0,8 · 5 Kg	
	21910083	308 LSI · Stainless steel wire · Ø 0,8 · 5 Kg	
	21910084	316 LSI · Stainless steel wire · Ø 0,8 · 5 Kg	
	21910082	AlMg5 (5356) · Aluminium wire · Ø 0,8 · 2 Kg	
	21910086	AlMg5 (5356) · Aluminium wire · Ø 1,0 · 2 Kg	
	21910092	AlMg5 (5356) · Aluminium wire · Ø 1,2 · 2 Kg	
	21910081	AlSi5 (4043) · Aluminium wire · Ø 0,8 · 2 Kg	
	21910085	AlSi5 (4043) · Aluminium wire · Ø 1,0 · 2 Kg	
	21910093	AlSi5 (4043) · Aluminium wire · Ø 1,2 · 2 Kg	
	21910075	CuSi ₃ wire · Ø 0,8 · 2 Kg	
	21910087	CuSi ₃ wire · Ø 0,8 · 5 Kg	
	21910014	Flux-cored wire · Ø 0,9 · 4,5 Kg	

SPOOL HOLDER

	21690880	Spool holder Ø 50 mm Adaptor for metallic coils	
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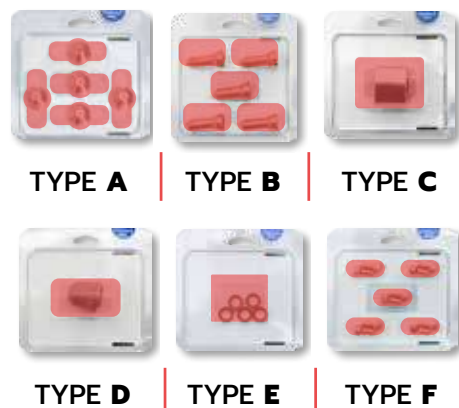
TIG · MIG/MAG ACCESSORIES

GAS WELDING

	21900010	MisterWork disposable gas bottles Argon · 14 lt · 60 bar Average welding time: ± 70/75 min	M10 Thread	
	21900011	MisterWork disposable gas bottles MIX C8 Argon/CO ₂ · 14 lt · 60 bar Average welding time: ± 70/75 min	M10 Thread	
	21900030	MisterWork PRO gas bottles - High quality disposable · Argon · 14 lt · 60 bar Average welding time: ± 70/75 min Compressed Argon 5.0 with purity >99,999%	M10 Thread	NEW
	21900031	MisterWork PRO gas bottles - High quality disposable · MIX C8 Argon/CO ₂ · 14 lt · 60 bar Average welding time: ± 70/75 min High-precision pure gas mixtures	M10 Thread	NEW
	22905114	Zero compensated Argon flowmeter regulator	Italy / England	
	22905111	Pressure regulator Argon double stage with flowmeter	Italy / England	
	22905090K	Pressure regulator ECO mini CO ₂ + gas bottle adaptor Argon / CO ₂	Italy / England	
	22905029K	Pressure regulator Maxi CO ₂ + gas bottle adaptor Argon / CO ₂	Italy / England	
	22905118	Pressure regulator Micro · 130 bar · for disposable cylinders	M10 Thread	
	22905115K	Pressure regulator for disposable cylinders	M10 Thread	
	22910140	Gas bottle adaptor M10 thread · only for CO ₂ regulators	M10 Thread	

PLASMA CUTTING ACCESSORIES

PLASMA CONSUMABLES' BLISTER TYPE



PLASMA CUTTING MANUAL TORCH



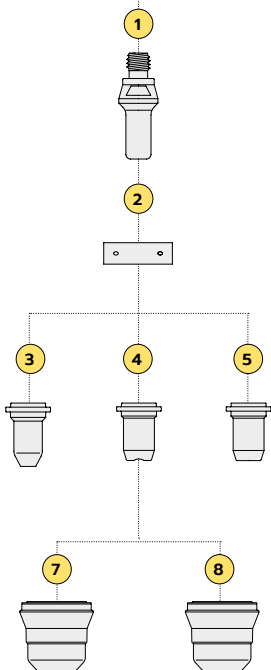
Suitable for:	COMBI PC 302K	99830015
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PT 40C	40 A - 4m - Direct connect.	23010067
Mounted consumables KIT (Pos.): 1 · 2 · 4 · 7		

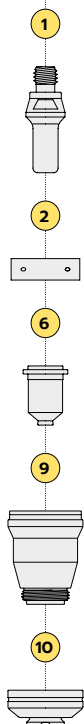
Suitable for:	PC 33	99830024
	PC 43	99830019

PT 40	40 A - 4m - Direct connect.	23010070
Mounted consumables KIT (Pos.): 1 · 2 · 4 · 8 - for PC 33		
Mounted consumables KIT (Pos.): 1 · 2 · 5 · 8 - for PC 43		

Cutting
40 A



High performance cutting
40 A



SPARE PARTS / CONSUMABLES

Pos.	Description	Quantity	Part number	Price
1	Electrode	10 pcs	23015187BH	
2	Gas diffuser	5 pcs	23015179BH	
3	Tip 10/20 A	10 pcs	23015189BH	
4	Tip 20/30 A	10 pcs	23015186BH	
5	Tip 30/40 A	10 pcs	23015224BH	
6	Contact tip 30/40 A	10 pcs	23015349BH	
7	Retaining cap · 2 holes (compressor)	1 pc	23015182BH	
8	Retaining cap · 6 holes	1 pc	23015188BH	
9	Retaining cap	1 pc	23015347BH	
10	Shield cap	2 pcs	23015348BH	

COMPASS KIT

	23015211	
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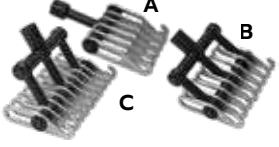




SPOT WELDING ACCESSORIES

SPOT CAR EVO 4000 · 5000

	99920218	Gun 50 mm² · 2 m · conn. 3 pin	Spotcar EVO 4000	
	99920223	Gun · 70 mm² · 2 m · conn. 3 pin	Spotcar EVO 5000	
	99920108	Ground cable · 50 mm² · direct	Spotcar EVO 4000	
	99920216	Ground cable · 70 mm² · direct	Spotcar EVO 5000	
	99920181	Ground cable + fast ground 50 mm² · direct	Spotcar EVO 4000	
	99920182	Ground cable + fast ground 50 mm² · direct · 50 mm²	Spotcar EVO 5000	
	99920122	Fast ground	Spotcar EVO 4000 · 5000	
	99920525 Accessories box	99920126	Puller hammer without handle	Spotcar EVO 4000 · 5000
		99920048	Mandrel for 3 points washers	
		99920042	Carbon electrode 10 x 300 · lots of 5 pcs	
		99920524	Electrode for squeezing Ø 16 mm	
		99920127	3 point washers lots of 10 pcs	
	99920173	Spare parts kit for pulling / wave washers / puller hammer	Spotcar EVO 4000 · 5000	
	99920175	Puller hammer with handle	Spotcar EVO 4000 · 5000	
	99920126	Puller hammer without handle	Spotcar EVO 4000 · 5000	



SPOT WELDING ACCESSORIES

SPOT CAR EVO 4000 · 5000



	99920048	Mandrel for 3 points washers		
	99920041	3 pointed washers · lots of 20 pcs		
	99920127	3 pointed washers · lots of 10 pcs		
	99920042	Carbon electrode · 10 x 300 · lots of 5 pcs		
	99920050	Copper / chromium electrode · Ø 16 mm		
	99920524	Electrode for squeezing · Ø 16 mm		
	99920177	Electrode for waved wires · Ø 10 mm		
	99920178	M10 pointed mass · lots of 1 pc		
	99920189	M10 pointed mass · lots of 5 pcs		
	99920138	M8 pointed mass · lots of 1 pc		
	99920188	M8 pointed mass · lots of 5 pcs		
	99920116	Waved copper coated wire · 315 mm · lots of 10 pcs		
	99920117	Waved copper coated wire · 315 mm · lots of 50 pcs		
	99920113	A · Hook gripped head · 6 hooks		
	99920114	B · Hook gripped head · 8 hooks		
	99920115	C · Hook gripped head · 10 hooks		
	99920187	KIT mandrel for spot welding		
	99920186	Mandrel for coal heating/crushing spot welder		
	99920190	Welding spray resistant fabric up to 1000°C · 92 x 200 cm		
	99920090	Electrode holder mandrel with nut		

SPOT WELDING ACCESSORIES





ACCESSORIES FOR SPOT CAR ALU 33 · 66

	99920500	FastGun + ground cable · 3 m · 3 pins		
	99920134	Accessories box Electrode for ALU studs · for M4 Washers KIT · Kit of 5 pcs · for M4 Screw - AlMg3 · 100 pcs · M4 x 16 mm Screw - AlSi12 · 100 pcs · M4 x 16 mm		

SPARE PARTS FOR SPOT CAR ALU 33 · 66

	99920478	Electrode for ALU screws · for M3		
	99920219	Electrode for ALU screws · for M4		
	99920479	Electrode for ALU screws · for M5		
	99920480	Electrode for ALU screws · for M6		
	99920159	Washers KIT · Kit of 5 pcs · for M3		
	99920160	Washers KIT · Kit of 5 pcs · for M4		
	99920161	Washers KIT · Kit of 5 pcs · for M5		
	99920162	Washers KIT · Kit of 5 pcs · for M6		
	99920163	Screw - AlMg3 · 100 pcs · M3 x 12 mm		
	99920164	Screw - AlMg3 · 100 pcs · M4 x 16 mm		
	99920165	Screw - AlMg3 · 100 pcs · M5 x 20 mm		
	99920167	Screw - AlSi12 · 100 pcs · M3 x 12 mm		
	99920168	Screw - AlSi12 · 100 pcs · M4 x 16 mm		
	99920169	Screw - AlSi12 · 100 pcs · M5 x 20 mm		

PULLING SYSTEM

	99920141	Pull system for Aluminium		
	99920227	ALU Pocket pull system		
	99920226	Double pull system		
	99920225	Single pull system		



GENERAL ACCESSORIES
TROLLEYS

	GALILEO TIG 211 Easy AC/DC	FOX 165	FOX 185	FOX 191	FOX 211	SPOTCAR 4000	SPOTCAR 5000	SPOTCAR ALU 33	SPOTCAR ALU 66
TROLLEY 1						•	•	•	•
TROLLEY 2		•	•	•	•				
TROLLEY 3 · HD AIR	•	•	•	•	•				

TROLLEY 1		TROLLEY 2		TROLLEY 3 · HD AIR	
Dimensions (LxWxH)	470 x 520 x 770 mm	Dimensions (LxWxH)	520 x 450 x 1060 mm	Dimensions (LxWxH)	950 x 435 x 975 mm
Box	490 x 220 x 795 mm	Box	1065 x 300 x 365 mm	Box	1065 x 300 x 365 mm
Part number	99900194A	Part number	9990171A	Part number	99900258A

GENERAL ACCESSORIES

HELVI BAGS

	21905178K	Helvi bag M Dim. 450x220x270 mm	Sparc Range Jet Range Galileo Range	
	21905139K	Helvi bag XL Dim. 540x225x250 mm	Galileo TIG 219 HF	

WELDING STATION

	99900309	Welding station	
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GENERAL ACCESSORIES
BLISTER

N.B. · Price shown applies to a 5 blister pack

	21915002B5	Electrode blister · Rutile · 2,0 mm · 30 pcs/blister · sold in 5 blister pack	
	21915003B5	Electrode blister · Rutile · 2,5 mm · 20 pcs/blister · sold in 5 blister pack	
	21915006B5	Electrode blister · Rutile · 3,25 mm · 15 pcs/blister · sold in 5 blister pack	
	21910109B5	Wire reel blister · Flux Core · \varnothing 0,9 mm · 1,0 Kg · sold in 5 blister pack	
	21910108B5	Wire reel blister · Steel SG2 · \varnothing 0,8 mm · 1,0 Kg · sold in 5 blister pack	
	21910047B5	Wire reel blister · AlMg5 5356 · \varnothing 0,8 mm · 0,5 Kg · sold in 5 blister pack	
	21910088B5	Wire reel blister · AISi5 4043 · \varnothing 0,8 mm · 0,5 Kg · sold in 5 blister pack	
	21910089B5	Wire reel blister · AISi5 4043 · \varnothing 1,0 mm · 0,5 Kg · sold in 5 blister pack	
	21910111B5	Wire reel blister · Inox 308L Si · \varnothing 0,8 mm · 0,5 Kg · sold in 5 blister pack	
	21910056B5	Wire reel blister · CuSi3 · \varnothing 0,8 mm · 0,9 Kg · sold in 5 blister pack	







GENERAL ACCESSORIES

MAGNETIC HOLDERS

	21905123	Arrow magnetic holder · holds up to 22 Kg	
	21905124	Arrow magnetic holder · holds up to 34 Kg	
	21905140	Magnetic holder with ON/OFF function · holds up to 40 Kg	NEW
	21905141	Adjustable magnetic holder · holds up to 12 Kg	NEW
	21905142	Adjustable magnetic holder XL · holds up to 15 Kg	NEW
	21905199	90° Magnetic holder · holds up to 15 Kg	NEW
	21905200	Magnetic angle clamp	NEW
	21905201	Multifunction MIG pliers	NEW
	21905173	Magnetig MIG torch holder · BLUE	
	21905174	Magnetic TIG torch holder · YELLOW	
	21905175	Magnetic MMA torch holder · RED	




OTHER

MERCHANDISING

	77920013	Helvi PENS Available in different colors:  	
	77920015	Helvi T-SHIRTS color BLACK	
	77920016	Helvi SHOPPERS color BLACK	
	77920017	Helvi CAPS color BLACK	

OTHER

DEALER KIT

	99900181K	Metallic product display 1950x785x540 mm	
	99900293	Carton product display 1540x440x420 mm	
	77920025	ROLL UP Helvi ITALIAN • 80x200 mm	
	77920026	ROLL UP Helvi ENGLISH • 80x200 mm	
	77920027	Helvi PVC BANNER 100x200 mm	

FEATURES LEGEND

	European conformity		Reference regulations		Regulation of energy efficiency
	Multitension (110V - 230V)		Air cooling		Water proof
	No-load voltage reduction		System that allows reduction of electricity consumption		Multitension input
	Possibility of use with power generators		Unstable line voltage compensation		Display for parameter visualization
	Alternating current welding		Direct current welding		Alternating/direct current welding
	Suitable for heavy duty		Suitable for automotive		25mm ² connection
	MMA electrode welding		Arc force function (avoids electrode sticking during welding)		Hot Start function (Makes starting the arc easier)
	Anti sticking function		Rutile and Basic electrodes		Cellulosic and Aluminium electrodes
	TIG welding		TIG Lift arc (contact)		TIG HF start (at distance)
	TIG Pulse		Possibility to set all TIG parameters		Facilitate welding parameters adjustments
	MIG/MAG welding		Spool wire capacity of 5Kg max		Synergic regulation
	MIG welding Gas / No gas (flux core)		2 rolls metallic wire feeder		4 rolls metallic wire feeder
	2 rolls plastic wire feeder		Pneumatic torch		Compressor included
	Spot welding		Capacitive discharge		ALU studs 3 to 6 mm

Art 1 Contract formation.

Any order from the Buyer shall be binding for HELVI SPA, only when accepted in writing by HELVI SPA itself.
HELVI SPA shall have the right to refuse any amendment requested by the Buyer. Unless otherwise agreed in writing, HELVI SPA shall not accept any cancellation of orders.

Art 2 Characteristics of the Products

Catalogues, price lists or other advertising matters are only an indication of the type of products and no prices or other particulars contained herein shall be binding for HELVI SPA. Any information or data relating to technical features and/or specifications of the Products contained in dépliant, price lists, catalogues and similar documents shall be binding only to the extent they are expressly referred to in the contract. All information given in price lists and catalogues or any literature are supplied by HELVI SPA in good faith; however, whilst every effort has been made to ensure that the information is correct, HELVI SPA does not accept any responsibility for errors which may have inadvertently been made. Designs and drawings of machines, wiring diagrams, manuals and graphics and marketing materials are HELVI SPA's property and no one can alter, modify or copy them. At any time, HELVI SPA shall have the right to make any change to the products which appear to be necessary or suitable. The Buyer shall have no right to indemnities or other remedies for such modifications.

Art 3 Prices.

HELVI SPA shall have the right to increase prices, by prior notice, in accordance to any change of cost of raw materials and labour which may take place between the date of order and the delivery. Unless otherwise agreed, the prices indicated in the quotations and in the contract are EX WORKS Sandrigo (Vicenza-Italy) and include only the packing costs for each single Product. It is agreed that any other cost or charge relating to any other kind of packaging, including customised packaging, shall be for the account of the Buyer.

Art 4 Payment conditions.

All payments must be made, for the exact amount applied without any deductions and clear of any charges, directly to the head office of HELVI SPA in Sandrigo (Vicenza – Italy), according to the payment conditions agreed upon each time. In addition to the other remedies permitted under the applicable laws, in case of late payment HELVI SPA shall have the right, at its own discretion, to charge delay interests at the current legal rate plus seven per cent, plus cashing, banking and legal expenses. Delay interests shall be due, from due date to the payment without any formal requests. Unless otherwise agreed in writing, any expenses or bank commissions due with respect to the payment shall be for the Buyer's account.

Art 5 Retention of title.

a) It is agreed that the Products delivered remain HELVI SPA' property until complete payment is received by HELVI SPA. b) The Buyer shall have, according to article 5 a) hereabove, the right to sell the Products, and any new product in which the Products have been converted into other products, in the ordinary course of business on the understanding that the proceeds of any such sale shall belong to HELVI SPA to whom the Buyer shall account such proceeds up to the concurrence of the full price due by the Buyer to HELVI SPA for the supply of the Products. c) HELVI SPA shall have the right at any time to revoke the Buyer's right of sale by written notice to the Buyer, if the Buyer is in default in respect of payment of any sum due to HELVI SPA for longer than 7 (seven) working days (whether in respect of Products or other goods or services supplied by HELVI SPA to the Buyer for any other reason whatsoever). d) On termination of the Buyer's right of sale in accordance with the foregoing conditions, the Buyer must place the Products at the disposal of HELVI SPA who shall have the right to enter upon the Buyer's premises for the purpose of removing the Products. e) The Buyer shall act as a bailee and the Products shall be on its responsibility, according to the articles 1766 and following of Italian Civil Code, until the complete payment is received by HELVI SPA.

Art 6 Terms of delivery.

Shipments are made carriage paid, using transport means chosen by the Company for net orders exceeding €600.00.* For orders below €600.00, a shipping fee will be charged as follows: Fixed fee of €10.00 for orders up to €199.99, 3.50% fee on the order value from €200.00 to €599.99. Packaging is free of charge unless special packaging is requested. The transfer of risk related to the products occurs upon delivery to the Carrier: consequently, the products travel at the buyer's own risk, even in the case of carriage-paid shipments. *Except for ADR shipments (14L Gas Cylinders)

Art 7 Complaints

Any complaints relating to packing, quantity, number or exterior features of the products, including transport damages (apparent defects), must be notified to HELVI SPA by a written notice within eight days from receipt of the Products; failing such a notification, the Buyer's right to claim the above defects will be forfeited. It is agreed that any complaints or objections do not entitle the Buyer to suspend or to delay payment of the Products as well as payment of any other supply. HELVI SPA shall not accept any return without HELVI SPA's prior written authorization. Any return of Products not authorized by HELVI SPA shall be shipped back to the Buyer at the Buyer's charge.

Art 8 Delivery times.

Any date quoted in orders confirmations for delivery of the Products is approximate. In the event of delay, no liability, order cancellation nor penalty shall be accepted by HELVI SPA. HELVI SPA shall endeavour to complete the contract and/or deliver the Products within the time agreed (if any) but it shall not be liable for any loss or damage of any kind whatsoever caused directly or indirectly by any delay in the completion of the contract or delivery of the Products. Any delay caused by force majeure or by acts or omissions of the Buyer (e.g. the lack of indications which are necessary for the supply of the Products), shall not be considered as a delay on HELVI SPA's responsibility. If the Buyer fails to make any payment on the time and in the manner specified by HELVI SPA or becomes insolvent or bankrupt or makes composition with its creditors or has a receiver appointed or passes a resolution for winding up, HELVI SPA shall have, at its own discretion, the right to suspend or cancel further deliveries, to request advanced payments or guarantees.

Art 9 Force majeure.

Either party shall have the right to suspend performance of its contractual obligations when such performance becomes impossible or unduly burdensome because of unforeseeable events beyond its control, such as strikes, boycotts, lock-outs, fires, war (either declared or not), civil war, riots, revolutions, requisitions, embargo, energy black-outs, delay in delivery of components or raw materials.

Art 10 Warranty.

HELVI SPA undertakes to remedy any defects, lack of quality or non-conformity of the Products for which it is liable, occurring within the warranty terms, provided such defects have been timely notified in accordance with art. 7. HELVI SPA at its sole discretion may choose whether to repair, replace or refund (totally or partially) the products found to be defective. The guarantee will be valid only if the product is accompanied by an invoice or receipt proving the date of sale with the serial number indicated in writing in the sales document. In the event that it cannot be demonstrated with an invoice or receipt, HELVI SPA reserves the right to apply the standard guarantee of 24 months from the date of the HELVI SPA sales document to the dealer.

WARRANTY TIME PERIODS

36 MONTHS	24 MONTHS	
Transformers Chokes	Rectifiers	Power PCBs Control PCBs
12 MONTHS		
Cooling system Water pump Switches	Contactors Gas valves Mechanical parts	Remote controls Fan motors Wire drive motors Welding masks

WHAT IS NOT COVERED UNDER THIS WARRANTY:

- consumable parts, for instance contact tips, nozzles, welding cables, ground clamps, electrode holders, cable assemblies, wire spools, drive rolls, etc.;
- parts that fail due to normal wear;
- TIG, MIG and PLASMA torches;
- Input cables;
- Gas regulator;
- On-site intervention costs, damage from non-production;
- Products failed due to transport damages, abnormal working conditions, failure to follow HELVI SPA instructions, negligence, lack of maintenance, abnormal or unsuitable supply of electricity, misuse, tampering, alteration and/or repair of the products without HELVI SPA authorization.

WARRANTY EXCLUSIONS

The following cases are excluded from the guarantee and immediately invalidate the validity:

- The warranty will expire if the product has exceeded 36 months of storage;
- Breakages due to incorrect use or neglect;
- Transport damage;
- Wrong connection to the electrical network;
- Overvoltage or undervoltage due to the electricity grid
- Overvoltage or undervoltage due to underpowered, un-stabilized, too old or incorrectly used motor-generators;
- Tampering or Repairs performed by not authorized personnel;
- Removal of labels;
- Failure to pay an instalment or product invoice.

RETURN AUTHORIZATION

The buyer must contact the retailer from whom he purchased the Product or the nearest authorized service center (www.helvi.com), presenting it accompanied by the necessary documentation:

- Legible copy of the invoice or purchase receipt (proving the sales data with the serial number indicated in writing in the sales document).

Failing this documentation the warranty shall be void. In case that the retailer is not available, the buyer can forward the warranty claim directly to:

HELVI SPA.
V.le G. Galilei 123, 36066 Sandrigo (VI), Italy
service@helvi.com Ph: +39 0444 666999 Fax: +39 0444 750070

HELVI SPA shall not accept any return without HELVI SPA's prior written authorization. In case of unauthorized returns, HELVI SPA reserves the right to charge a handling fee of 40,00€. If a returned product is found not to be defective, HELVI SPA reserves the right to charge the labour cost of 50,00€/hour for the fault investigation. The warranty is EX WORKS (Incoterms® 2020), Sandrigo (Vicenza, Italy), therefore HELVI SPA shall not pay any transport costs or expenses (whether from the Buyer's premises to HELVI SPA, or from HELVI SPA premises to the Buyer's) which shall be at the Buyer's charge. At the discretion of HELVI SPA, foreign customers may be exempt from returning defective Products if the cost of transportation is excessive.

WARRANTY REPAIR

In the event that a product failure occurs within the warranty period, please contact your nearest authorized dealer or service center (www.helvi.com). At its discretion, HELVI SPA can send spare parts free of charge to the nearest service center to carry out the repair, only after checking with the Helvi Service, who can authorize the repair or not.

Art 11 Online E-Commerce and use of company logos.

HELVI SPA does not authorize its dealers to promote or sell their products on any online sales platform or website, unless agreed between both parties. The use of registered trademarks without the authorization expressed by HELVI SPA commits a criminal offense sanctioned by the Italian and European legal system (or by the country in which the crime was committed) and as such is punishable by the competent judicial police authorities and punished with the penalties provided for this offense.

Art 12 Applicable laws – Jurisdiction.

These general terms and conditions and any contract made hereunder with HELVI SPA shall be construed and interpreted in accordance with the substantive laws of Italy. The competent law Court of Vicenza, ITALY, shall have exclusive jurisdiction in any action arising of or in connection with these terms and condition or any contract made with HELVI SPA. However as an exception to the principle hereabove, HELVI SPA is in any case entitled to bring its action before the competent court of the place where the Buyer has its registered office. The United Nations Conventions for the International Sale of Goods does not apply to any supply of Products made by HELVI SPA to any Buyer.



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We have done our best to ensure the information in this catalogue is correct. However, we reserve the right to introduce changes without prior notice.

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