



SAF-FRO



SELECTED PRODUCTS
FOR WELDING AND CUTTING

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PICTOGRAMS MEANING

	Power factor control and limitation of harmonic current in the public network		Warranty period for professional equipment		TIG LIFT : arc striking when lifting the torch
	Welding of cellulosic coated electrodes		Warranty period for industrial equipment		TIG LIFT + : arc striking when lifting the torch with 4 time simulation
	Motor generator compatible		Power source can be used with important length of primary cable		Plasma cutting installation with central connector
	Modular installation		4 rollers wire feeding		Power source allowing arc gouging process
	Voltage Reduce Device = Reduction of the no-load voltage (better safety when welding in humid environment)		2 rollers wire feeding		FLEX LINE : multivoltage power (single of three phase)
	Synergic setting				Controlled fan for power source cooling
					New product

ARC EQUIPMENT MMA

SINGLE PHASE PORTABLE INVERTERS FOR STICK WELDING

SAXO 3.2

Ø ELECTRODES 1.6 to 3.2 mm

The SAXO 3.2, known for its exceptional "weight/power" ratio, is suitable for any maintenance activities and everyday intervention operations.

FEATURES & BENEFITS

- Easy-to-use : excellent arc striking and stability.
- Power supply : 230 V single-phase.
- Ultra light : less than 3.8 kg.
- Ready for use : delivered with case and accessories.

METALWORK

WARRANTY
2
YEARS



	SAXO 3.2
Primary Voltage (50-60Hz)	230 V (+/-15%) - 1 ph
Maximum power consumption	35 A
Rms current	10 A - 11 A
Max. absorbed power	4.8 kW
Open circuit voltage	69 V
Current control	10 - 150 A
Duty cycle at 40 °C (EN 60974-1)	10% 150 A 60% 70 A 100% 55 A
Connector dimensions	9 mm
Protection index	IP 23S
Dimensions	220 x 120 x 320 mm
Weight	3.8 kg
Standards	EN 60974-1 / EN 60974-10

Item number:

Power source	W000385239
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PRESTO 160 / 175

Ø ELECTRODES 1.6 to 3.2 mm

Power sources for manual metal arc welding for industrial and professional use. Compact and reliable system.

FEATURES & BENEFITS

- Easy-to-use : excellent arc striking and stability.
- Exceptional performance : high duty cycle at 40°C.
- Exceptional arc control.
- Low energy consumption.

HEATING

WARRANTY
2
YEARS



	PRESTO 160	PRESTO 175
Primary Voltage (50-60Hz)	230 V (+/-20%) - 1 ph	
Maximum power consumption	31 A	36 A
Rms current	19 A	16 A
Max. absorbed power	4.6 kW	5 kW
Open circuit voltage	85 V	
Current control	5 - 150 A	5 - 160 A
Duty cycle at 40 °C (EN 60974-1)	35% 150 A 60% 120 A 100% 100 A	160 A (20%) 120 A 100 A
Connector dimensions	9 mm	
Protection index	IP 23S	
Dimensions	145 x 230 x 365 mm	
Weight	7 kg	
Standards	EN 60974-1 / EN 60974-10	

Item number:

Power source	W000385244	W000385245
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ARC EQUIPMENT MMA

SAF-FRO

SINGLE PHASE PORTABLE INVERTERS FOR STICK WELDING

PRESTO 145 / 165 / 185 FORCE

Ø ELECTRODES 1.6 to 4.0 mm

METALWORK

WARRANTY
2
YEARS

FEATURES & BENEFITS

- Easy-to-use : excellent arc striking and stability.
- Exceptional performance: high duty cycle at 40°C.
- Noise reduction due to smart fan system.
- Built-in Hot Start and Anti Sticking devices.
- Compact design.
- Low energy consumption.



PFC
POWER FACTOR
CONTROL



LONG : 70 m
SECTION :
3 x 2.5 mm²



For demanding activities such as on site welding.
Sturdy equipment with high liability and high duty cycle works.

PRESTO 190C FORCE

Ø ELECTRODES 1.6 to 4.0 mm

FEATURES & BENEFITS

- Rugged "on site" design.
- Build in Hot Start and Anti Sticking devices.
- Arc dynamism control.
- Low primary consumption.



TIG LIFT +



MOTOR GENERATOR
COMPATIBLE

VRD

Cellulosic

PFC

POWER FACTOR
CONTROL



LONG : 70 m
SECTION :
3 x 2.5 mm²

WARRANTY
2
YEARS



PFC

is the technical solution to achieve conformance to the limitation of the harmonic current for equipment connected to public low voltage network which is now mandatory in Europe (EN 61000 - 3 - 12 standard). PFC results in lower effective current consumption at the same output welding power, also maximising electronic component lifetime.

	PRESTO 145 FORCE	PRESTO 165 FORCE	PRESTO 185 FORCE	PRESTO 190C FORCE
Primary Voltage (50-60Hz)	230 V (+15/-20%) - 1 ph			230 V (+/- 20%) - 1 ph
Primary effective consumption	12 A	15 A	15 A	16 A
Motor generator power	5.5 kVA	6.8 kVA	6.8 kVA	7.3 kVA
No-load voltage	48.4 V	48.4 V	48.4 V	67 V (14 V VRD)
Welding current	10 - 140 A	10 - 160 A	10 - 180 A	5 - 160 A
Duty cycle at 40°C (EN 60974-1)	140 A (40%)	160 A (30%)	180 A (20%)	160 A (50%)
	120 A	140 A	140 A	150 A
	100 A	120 A	120 A	130 A
Electrodes diameter	1.6 - 3.2 mm	1.6 - 4.0 mm	1.6 - 4.0 mm	1.6 - 4.0 mm
Connector type	9 mm			13 mm
Dimensions	320 x 170 x 395 mm			200 x 365 x 475 mm
Weight	6.6 kg			9 kg
Protection / Insulation class	IP 23 / H			IP 23 / H
Standard	EN 60974-1 / EN 60974-10 / EN 61000-3-2/12			EN 60974-1 / EN 60974-10

Item number:

Power source	W000385254	W000385255	W000385256	W000385259
25C25+ arc kit		W000260683		-
WTT2 9V 4m TIG torch		W000278876		-

Add ons:

Arc kit ⁽¹⁾	-	-	-	W000260684
Remote control	-	-	-	W000242069
Valve TIG torch WTT2 - 26 V - 4 m	-	-	-	W000278885
Wear part box for WTT2 26	-	-	-	W000371536

(1) Electrode holder and earth clamp with welding cables

ARC EQUIPMENT MMA

THREE PHASE INVERTER FOR STICK WELDING

PRESTO 270

Ø ELECTRODES 1.6 to 5.0 mm

PRESTO 270 welder has been designed and manufactured to combine both a rugged industrial construction with excellent arc characteristics. The machine is built to handle harsh environmental conditions using tunnel technology to separate the PCBs and sensitive parts from contaminating cooling airflow.

PRESTO 270	
Primary Voltage (50-60Hz)	400 V (+/- 10%) - 3 ph
Current range	5 - 270 A
Duty cycle	35% 270 A / 30.8 V
(10 min. cycle @ 40 °C)	100% 200 A / 28 V
Fuse size	20 A
Dimensions	404 x 240 x 530 mm
Weight	22 kg
Protection / Insulation class	IP 23 / H
Standards	EN 60974-1 EN 60974-10

FEATURES & BENEFITS

- Robust case and components.
- Fully featured and user friendly control panel.
- Soft and Crisp mode.
- Adjustable Hot Start and Arc Force.

Item number:

Power source	W000403605
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Add ons:

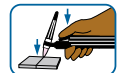
Kit 25C50 - 3 m	W000260684
Kit 35C50 - 4 m	W000011139
TIG torch WTT 26V 4 m	W000278885
Remote control - 15 m	K10095-1-15M

BOILERMAKING

WARRANTY
3
YEARS



MOTOR GENERATOR
COMPATIBLE



TIG LIFT



THREE PHASE RECTIFIERS FOR STICK WELDING

RODARC 400 / 450

Ø ELECTRODES 1.6 to 6.3 mm

The RODARC power source range has been designed for the most demanding on-site and workshop applications. Highly efficient welding using rutile and basic electrodes at a competitive value.

FEATURES & BENEFITS

- Ideal for rutile, basic, stainless steel and special electrode.
- Fan cooling.
- Mechanical amperage adjustment.
- Heavy duty undergear as standard.

WARRANTY
2
YEARS



	RODARC 400	RODARC 450
Primary Voltage (50-60Hz)	230 V / 400 V (+/- 10%) - 3 ph	
Primary effective consumption	34 A / 19.5 A	53 A / 30 A
Motor generator power	57 A / 33 A	78 A / 45 A
No-load voltage	70 V	63 V / 70 V
Welding intensity	50 - 325 A	60 - 400 A
Duty cycle	35% 325 A	400 A (at 45%)
(10 min. cycle @ 40 °C)	60% 250 A	345 A
	100% 190 A	265 A
Electrode diameter	2.5 - 5.0 mm	2.5 - 6.3 mm
Connector size	13 mm	13 mm
Dimensions	560 x 730 x 1 080 mm	560 x 730 x 10 mm
Weight	107 kg	123 kg
Protection / Insulation class	IP 21 / S	IP 23 / H
Standards	EN 60974-1 / EN 60974-10	

Item number:

Power source alone	W000381565	W000381566
Kit arc 50C50	W000260681	W000260682

THREE PHASE MULTI-PROCESS INVERTER

BUFFALO 350i

Ø ELECTRODES 1.6 to 6.3 mm

Compact multi-process welder for training, fabrication or construction applications. Smart operation allows it to handle any stick, TIG and MIG applications

FEATURES & BENEFITS

- Sturdy and liable.
- Refined network balance (+/-10%).
- Hot Start adjustable for instantaneous starting.
- Integrated Anti-sticking device.
- Arc dynamism (Arc Force) can be changed for improved weld pool fluidity.
- Easy to use.
- Gouging with electrodes up to 6.3 mm diameter.
- Digital meter display as standard.
- Remote control plug.
- Reduced open circuit voltage possible.

WARRANTY
3
YEARS



Cellulosic



	BUFFALO 350i
Primary Voltage (50-60Hz)	400 V (+/- 20%) - 3 ph
Primary effective consumption	28.5 A
Motor generator power	-
No-load voltage	-
Welding intensity	5 - 350 A
Duty cycle (10 min. cycle @ 40 °C)	350 A (35%)
	60% 300 A
	100% 250 A
Electrode diameter	1.6 to 6.3 mm
Connector size	-
Dimensions	390 x 300 x 525 mm
Weight	29 kg
Protection / Insulation class	IP 23 / H
Standards	EN 60974-1 / EN 60974-10

Item number:

Power source W000263711

Add ons:

Remote control W000242069
Valve TIG torch WTT2 - 26 V - 4 m W000278885
Wear part box for WTT2 26 W000371536

THREE PHASE RECTIFIERS FOR STICK WELDING (thyristor technology)

BUFFALO 405X & 670X

Ø ELECTRODES 1.6 to 6.3 mm

BUFFALO 405X & 670X are exceptionally rugged conventional stick rectifiers built to be used under harsh environmental conditions.

FEATURES & BENEFITS

- Excellent arc characteristics.
- Easy to understand graphic control panels.
- Hot Start.
- Fan on demand (F.A.N.™).
- Arc Force.
- Equipped with wheels, pull bar and two lifting hooks.
- Digital meters.



Cellulosic

	BUFFALO 405X	BUFFALO 670X
Primary Voltage (50-60Hz)	230 V / 400 V (+/- 15%) - 3 ph	
Current Range	15-400 A	15-670 A
Open Circuit Voltage		78
Duty cycle (10 min. cycle @ 40 °C)	35% 400 A / 36 V	670 A / 44 V
	100% 240 A / 29 V	400 A / 36 V
Fuse size (slow)	63 / 40 A	100 / 63 A
Electrode diameter		1.6 - 6.3 mm
Dimensions	640 x 580 x 700 mm	670 x 580 x 700 mm
Weight	125 kg	150 kg
Protection / Insulation class		IP 23 / H
Standards		EN 60974-1 / EN 60974-10

Item number:

Power source W000403561 W000403563

Add ons:

MMA kit ARC 50C50+ W000260682
TIG torch with valve WTT2 26V 4 m W000278885
FLAIR 600 gouging torch W00010136

WARRANTY
3
YEARS

MMA CONSUMABLES

STICK ELECTRODES

All positions rutile electrode

SAFER G 48N

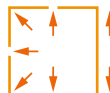
Features:

Rutile coated MMA electrode for all positional welding. Easy to use and tolerant of dirty or poorly prepared base plates. Efficiency 100%.

Current condition:

- Direct current with - polarity to electrode.
- Alternating current: $U_0 > 50$ V.

Also available
in small packs



Classification
EN ISO 2560 A
E 380 RC 11
AWS SFA-5.1
E 6013

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
2.0	350	160	960	W000384858
2.5	350	260	780	W000258557
3.2	350	160	480	W000258558
3.2 L	450	160	480	W000258559
4.0	350	105	315	W000258560

Excellent aspect rutile electrode

SAFER G 47N

Features:

Rutile coated MMA electrode with a good bead aspect, used for a wide variety of applications. Suitable for all positional welding except vertical down. Efficiency 100%.

Current condition:

- Direct current with - polarity to electrode.
- Alternating current: $U_0 > 48$ V.



Classification
EN ISO 2560 A
E 420 RR 12
AWS SFA-5.1
E 6013

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
2.0	350	210	1020	W000379258
2.5	350	210	630	W000378933
3.2	350	125	375	W000378939
3.2 L	450	118	354	W000378942
4.0	350	78	234	W000378944

Basic electrode

SAFER NF 510A

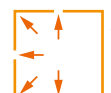
Features:

Basic coated MMA electrode for producing crack-free and tough welding joints. Good welding characteristics, suitable for root passes and positional welding, welds are X-ray quality. The weld metal has good ISO-V toughness to -50 °C. Suitable for unalloyed steels with low purity or higher carbon content $<0.4\%$ C, and for buffer layers. Very low hydrogen content after re-drying.

Also available in MICRODRY packaging, a multilayer film (mix of plastic and aluminium) which provides a perfect barrier against humidity. Therefore no rebacking, no holding oven and no quiver are necessary. The electrodes can be used right after opening and during 8h.

Current condition:

- Direct current with + polarity to electrode.
- Alternating current: $U_0 > 70$ V.



Classification
EN ISO 2560 A
E 425 B 32 H5
AWS SFA-5.1
E 7018-1 H4

Ø (mm)	Length (mm)	Box packaging (CBOX)			Vacuum packaging (VPMD)		
		Quant./ bag	Quant. / Carton	Item number	Quant./ bag	Quant. / Carton	Item number
2.5	350	185	555	W000258598	90	540	W000258592
3.2	350	115	345	W000258599	55	330	W000258593
3.2 L	450	115	345	W000258600	55	330	W000258594
4.0	450	80	240	W000258602	40	240	W000258596
5.0	450	55	165	W000258603	-	-	-

Rutile coated electrodes for stainless steels

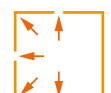
SAFINOX R 308L

Features:

SAFINOX R 308L is a rutile coated MMA electrode for welding similar austenitic stainless Cr-Ni steels, also suitable for ferritic stainless Cr-steels. Metal transfer in fine droplets and nearly spatter free, the slag is generally self releasing from finely-rippled concave fillet welds with an excellent bead surface appearance. Good striking and restriking. Under wet corrosive conditions, suitable for operating temperatures <350 °C, non-scaling <800 °C.

Current condition:

- Direct current with + polarity to electrode.
- Alternating current: $U_0 > 50$ V.



Classification
EN ISO 3581-A
E19 9 L R 12
AWS A-5.4
E308L-17

Ø (mm)	Length (mm)	Box packaging (CBOX)			Vacuum packaging (VPMD)		
		Quant./ bag	Quant. / Carton	Item number	Quant./ bag	Quant. / Carton	Item number
2.0	300	340	1020	W000288726	150	900	W000288732
2.5	300	190	570	W000288727	90	540	W000288733
3.2	350	120	360	W000288729	55	330	W000288735
4.0	350	80	240	W000288730	40	240	W000288736
5.0	350	50	150	W000375908	-	-	-

STICK ELECTRODES

Rutile coated electrodes for stainless steels

SAFINOX R 316L

Features:

SAFINOX R 316L is a rutile coated MMA electrode for welding similar austenitic Cr-Ni-Mo steels. The weld metal transfer is in fine droplets and nearly spatter free, depositing finely rippled concave fillet welds with an outstanding weld bead aspect and generally self-releasing slag. Good striking and restriking. Under wet corrosive conditions suitable for operating temperatures <400°C.

Current condition:

- Direct current with + polarity to electrode.
- Alternating current: $U_o > 60$ V.

Also available in small packs



Classification
EN ISO 3581-A
E19 12 3 LR 12
AWS A-5.4
E316L-17

Ø (mm)	Length (mm)	Box packaging (CBOX)		Item number	Vacuum packaging (VPMD)		Item number
		Quant. Box	Quant. / Carton		Quant. Box	Quant. / Carton	
1.6	300	-	-	-	250	1500	W000375898
2.0	300	340	1020	W000288791	150	900	W000288796
2.5	300	190	570	W000288792	90	540	W000288797
3.2	350	120	360	W000288793	55	330	W000288798
4.0	350	80	240	W000288794	40	240	W000288799

Rutile coated electrode for stainless steels with low Chrome VI emission

SKYNOX E 308L

Features:

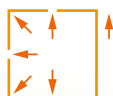
Electrode for welding type 18.8 and 20.10 steels, with a reduced CrVI concentration in the welding fume. Use of SKYNOX electrode in conjunction with a fume control strategy may significantly reduce the exposure of CrVI to welders. Very nice bead aspect. All positions welding except vertical descending. Available in vacuum packaging (VPMD).

Current condition:

- Direct current with + polarity to electrode

Ø (mm)	Length (mm)	Quant. Box	Quant. / Carton	Item number
2.5	300	90	540	W000387163
3.2	350	55	330	W000387164
4.0	350	40	240	W000387165
5.0	350	20	120	W000387166

Classification
EN ISO 3581-A
E 19 9 L R 22
AWS A 5.4
E 308L 17



SKYNOX E 316L

Features:

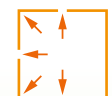
Electrode for welding type 18.8 and 20.10 steels, with a reduced CrVI concentration in the welding fume. Use of SKYNOX electrode in conjunction with a fume control strategy may significantly reduce the exposure of CrVI to welders. Very nice bead aspect. Low carbon type 22 CND 17 12 steels welding. All positions welding except vertical descending. Available in vacuum packaging (VPMD).

Current condition:

- Direct current with + polarity to electrode

Ø (mm)	Length (mm)	Quant. Box	Quant. / Carton	Item number
2.5	300	90	540	W000387171
3.2	350	55	330	W000387172
4.0	350	40	240	W000387173
5.0	350	20	120	W000387174

Classification
EN ISO 3581-A
E 19 12 3 L R 22
AWS A 5.4
E 316L 17



Electrode for repair and assembly

STARINOX 312

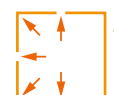
Features:

DW 312 is a rutile coated MMA electrode for joining difficult-to-weld steels, dissimilar steels and for wear-resistant surfacing and buffer layers, the deposit hardness is ~220 HB. Applications include repair and maintenance welding on machines, power transmission equipment and tools. The microstructure of the higher strength weld metal consists of ferritic-austenitic Cr-Ni steel, with ~50% delta-ferrite, and is highly crack resistant, rust-proof and non-scaling <1100 °C. Very good weldability, weld metal transfer is in fine droplets with easy slag removal, producing a good weld bead shape.

Current condition:

- Direct current with + polarity to electrode.
- Alternating current: $U_o > 55$ V.

Also available in small packs



Classification
EN ISO 3581-A
EZ (29 9) R 12
AWS A-5.4
E312L-16

Vacuum packaging (VPMD)				
Ø (mm)	Length (mm)	Quant. Box	Quant. / Carton	Item number
2.5	300	95	570	W000258738
3.2	350	55	330	W000258739
4.0	350	35	210	W000258740

Electrode for joining and surfacing cast iron

STARCAST NiFe

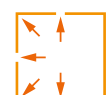
Features:

STARCAST NiFe is a basic-graphite coated MMA electrodes with nickel-iron core wire, for joining and surfacing of cast iron without preheating or with a minimum of < 300°C, «cast iron cold welding». Higher weld metal strength than STARCAST Ni. Used for welding applications on new cast-iron components made of globular gray-cast iron (GJS/GGG) and dissimilar joining of GJS to steel. Suitable for cast irons with globular graphite (GJS), black-heart cast iron (GJMB), white-heart cast iron (GJMW), austenitic cast iron and dissimilar joints to steel. Easy striking, stable arc, finely-rippled bead surface. Weld at low heat input with short beads, ~10 to 30 mm, and hammer peen. Weld metal can be machined.

Current condition:

- Direct current with + polarity to electrode.
- Alternating current: $U_o > 50$ V.

Also available in small packs



Classification
EN ISO 1071
E Ni Fe Ci 1
AWS SFA-5.15
E Ni Fe Ci

Vacuum packaging (VPMD)				
Ø (mm)	Length (mm)	Quant. Box	Quant. / Carton	Item number
2.5	350	115	690	W000258777
3.2	350	70	420	W000258778

PORTABLE QUIVERS

WELDRY 372 INOX

Portable quivers forelectrodes maintenance, near the welding working place. They preserve the electrodes from moisture avoiding hydrogen inclusion in the welding joint.

FEATURES & BENEFITS

- Stainless steel body for increased strength difficult conditions.
- Handle, useful for moving.
- Preset temperature to 120°C.
- Plated heater resistance against the reservoir electrodes which allows a good repartition of temperature.

W000383150



ELECTRODE HOLDERS

CAIMAN 400

- 400 A at 35%.
- Cable Ø: 50 mm².
- Electrode Ø: 0.5 mm.
- Polyamide handle, fibre glass reinforced.

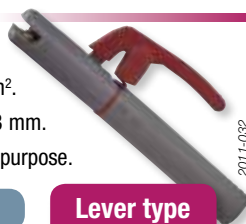


Lever type
with opened
head

W000010568

COBRA

- 300 A at 35%.
- Cable Ø: 50 mm².
- Electrode Ø: 6.3 mm.
- Light and multi purpose.



Lever type
with closed
head

W000010881

STUBBY

- 400 A at 35%.
- Cable Ø: 70 mm².
- Electrode Ø: 6.3 mm.
- Well known, fibre glass single part head + spare parts available.
- Right hand thread.



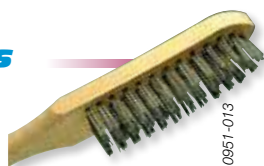
W000010036



WELDING ACCESSORIES

4 rows steel wires

W000010163



4 rows stainless steel wires

W000010165



Steel head, wooden handle

W000010801



KITS ARC

Ready-to-use MMA accessories kit for an optimized time saving.

Kit 25C25+

- Ideal for intensive applications.
- 300 A maximum at 35%.
- Electrode diameter : 4 mm.
- 9 mm connector (cable 16-25 mm²).
- SEGURA 300 clamp (cable 3 m).
- HIPPO 400 earth clamp (cable 2 m).

W000260683

Kit 25C50

- Ideal for small power sources for construction site works.
- 300 A maximum at 35%.
- Electrode diameter : 4 mm.
- 13 mm connector (cable 25-50 mm²).
- SEGURA 300 clamp (cable 3 m).
- HIPPO 400 earth clamp (cable 3 m).

W000260684



ARC EQUIPMENT TIG

SAF-FRO

SINGLE PHASE PORTABLE INVERTERS FOR DC TIG WELDING

Prestotig range equipment offer leading technology in TIG DC welding with a user friendly interface. Additional features include programs storage capability and improved reliability due to Power Factor Control technology

PRESTOTIG 160 PFC

HEATING

FEATURES & BENEFITS

- Modular technology
- Built-in Power Factor Control.
- Supplied complete with 16A plug.
- TIG DC or MMA mode.
- HF and TIG Lift arc striking.
- Pre and Post gas adjustment.
- 2T / 4T mode.

WARRANTY
2
YEARS



PFC
POWER FACTOR
CONTROL

PRESTOTIG 160 PFC	
Primary Voltage (50-60Hz)	230 V (+/- 20%) - 1 ph
Effective input current	11 A
Open circuit voltage	49.5 V
Welding current	10 - 160 A
Duty cycle (at 40 °C)	35% 160 A 60% 140 A 100% 120 A
Protection index	IP 23 S
Weight	9.5 kg
Dimensions	205 x 345 x 460 mm
Standards	EN 60974.1 / EN 60974.10 / EN 61000-3-2/12

Item number:

Power source alone W000273518

This equipment is designed for industrial and professional use only

PRESTOTIG 180 FORCE / 220 FORCE

METALWORK

PRESTOTIG FORCE welders offer leading technology in TIG DC welding with a user friendly interface. Additional features include programme storage capability and improved reliability due to Power Factor Control technology.

FEATURES & BENEFITS

- Pulsed TIG current.
- Choice of two current levels in 4T mode.
- Digital display of parameters.
- HF and PAC arc striking.
- 2T-4T-Spot modes.
- Programme storage and recall (30).
- Remote control and foot pedal (options).

	PRESTOTIG 180 FORCE	PRESTOTIG 220 FORCE
Primary Voltage (50-60Hz)	230 V (+/- 20%) - 1 ph	
Effective input current	11 A	12 A
Open circuit voltage	50 V	
Welding current	5 - 160 A	5 - 220 A
Duty cycle (at 40 °C)	35% 160 A (40%) 60% 140 A 100% 130 A	220 A 180 A 150 A
Dimensions	205 x 345 x 460 mm	
Weight	9.5 kg	
Protection index	IP 23 S	
Standard	EN 60974-1 / EN 60974-10 / EN 61000-3-2/12	

Item number:

Power source alone	W000382577	W000382578
Universal trolley	W000375730	
Cooling unit FREEZTIG	W000382728	
Cooling liquid FREEZCOOL 9.6 l	W000010167	

WARRANTY
3
YEARS



PFC
POWER FACTOR
CONTROL

Conform to the EN 61000-3-2/12 standard: limitation of the harmonic current for equipment connected to public low voltage network.

PFC

This equipment is designed for industrial and professional use only



ARC EQUIPMENT TIG

THREE PHASE INVERTERS FOR DC TIG WELDING

NEW

PRESTOTIG 315DC & 415DC (W)

PRESTOTIG 315DC & 415DC have been manufactured in a light-weight but robust outer casing, making them portable and ideal for operation even in the most hazardous environments.

These machines feature HF TIG ignition, Lift TIG ignition, 2 or 4 step, variable down slope, post-flow control, digital pre-set meters with hold functions and built-in variable Pulse.

WARRANTY
3
YEARS



WARRANTY
3
YEARS



FEATURES & BENEFITS

- Advanced inverter technology for superior TIG performance.
- Full function user-friendly control panel layout.
- Rugged construction.
- HF and Lift TIG ignition.
- Perfect TIG HF starting with pre-settable starting mode.
- Complete TIG parameters setting: Pulse TIG with variable frequency, 10 memory locations, TIG Spot welding.
- Water Coolers and Carts available.



WATER COOLING



MOTOR GENERATOR
COMPATIBLE

Cellulosic

	PRESTOTIG 315DC (W)	PRESTOTIG 415DC (W)
Primary Voltage (50-60Hz)	400 V - 3 ph	
Current Range (A)	5-300	5-400
Duty cycle at 40 °C	35%	400 A / 26 V
	40%	-
	100%	300 A / 22 V
Fuse Size (A) (slow)	20	30
Dimensions H x W x D	404 x 240 X 533 mm	464 x 290 X 660 mm
Weight	21 kg	35 kg
Protection / Insulation class	IP 23 / S	
Standards	EN 60974-1 / EN 60974-10	

Item number:

Power source	W000403580	W000403582
Trolley	W000404145 (CART 3)	W000404146 (CART 4)
Cooler	W000403940 (COOLERTIG 3)	W000403941 (COOLERTIG 4)



ARC EQUIPMENT TIG



AC/DC INVERTERS FOR TIG WELDING

CAUTION:

Easy version without Tack for thin, pulsed, synergic pulsed, memories, bi level, etc...

BOILERMAKING

PRESTOTIG 240 AC/DC (W)

PRESTOTIG 240 AC/DC (W) machines fulfill the most demanding welders needs. The rugged design and optimum performance makes these machines the ideal partner for all workshop and on-site requirements.

FEATURES & BENEFITS

- Up to 230 A at 40% available on a single phase machine for 240 model.
- Easy to move: only 17 kg.
- Motor generator compatible.
- Digital display.
- TACK FOR THIN for perfect tack welding*.
- BI LEVEL for an improved cycle with two current levels*.
- A compact machine, with possibility of user customization.
- Offshore and repair applications using TIG and MMA welding.
- Processes TIG DC - AC - Synergic pulse* - Compotig process (MIX AC/DC*) - pulse welding*.
- 10 programs memory*

* On the ADVANCED versions.



2009-570

WARRANTY

3 YEARS



WATER COOLING



MOTOR GENERATOR COMPATIBLE



POWER FACTOR CONTROL

PRESTOTIG 315 AC/DC (W)

PRESTOTIG 315 AC/DC is an industrial AC/DC TIG welding machine designed and manufactured using the latest inverter digital technology. This machine has been designed and built to perform in the most hazardous environments at high outputs: 300A at 35% duty cycle both in TIG AC and TIG DC application. The controller provides all the features you would expect from industrial AC/DC TIG inverter welding machines combined with a user-friendly front panel layout, setting advanced TIG parameters has never been so simple !

NEW

FEATURES & BENEFITS

- Advanced inverter technology for superior TIG performance.
- Superb welding characteristics with TIG AC, TIG DC and MMA processes.
- Adjustable cleaning and penetration for perfect aluminium welding.
- Variable AC frequency (40-400Hz) for control of travel speed and penetration.
- Full function user-friendly control panel layout with graph and a numeric display make it easy to set all welding parameters.
- PFC (Power Factor Correction) advantages 30% more output current with the same input current.
- Water Cooler and Cart available.



MOTOR GENERATOR COMPATIBLE



WATER COOLING



POWER FACTOR CONTROL

Cellulosic

WARRANTY

3 YEARS



	PRESTOTIG 240 AC/DC (W)	PRESTOTIG 315 AC/DC (W)
Primary Voltage (50-60Hz)	230 V (+/-15%) - 1 ph	230 / 400 V (+/-10%) - 3 ph
Absorbing power at maxi. intensity	6.0 kVA	-
Open circuit voltage	58 V DC	-
Duty cycle (at 40 °C)	35% 230 A (at 40%) 60% 200 A 100% 170 A	300 A / 22 V - 200 A / 18 V
Welding current	3 to 230 A	2 to 300 A
Fuse size (A)	-	32/20A
Dimensions	475 x 200 x 405 mm	545 x 290 x 660 mm
Weight	17 kg (25 kg)	42 kg
Protection index / class	IP 23 C / H	
Standard	EN 60974-1 / EN 60974-10	

Item number:

Power source ADVANCED version	W000275843	-
Power source EASY version	W000381666	-
Power source alone	-	W000403603
Trolley	W000375730	W000404146 (CART 4)
Cooler	-	W000403941 (COOLERTIG 4)

PROTIG NG S

Ergonomic handle with button (EB)

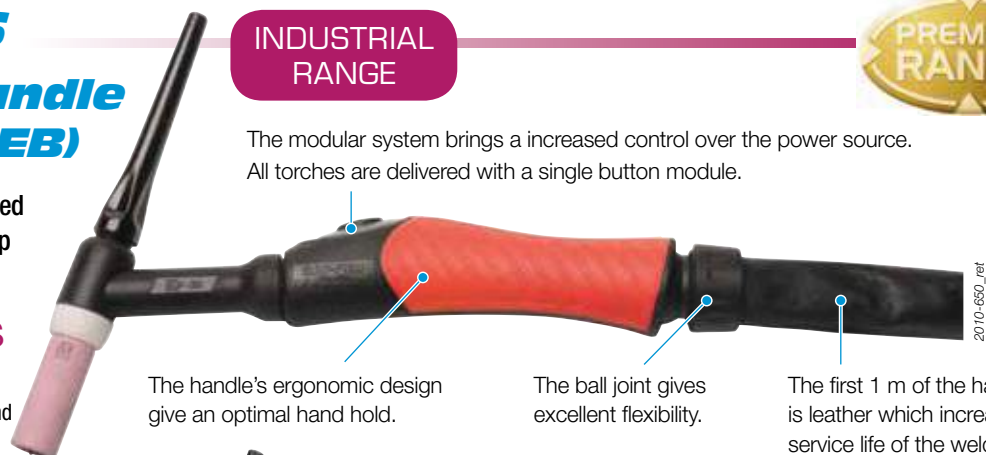
The best TIG torches with an advanced ergo-design, using a colored soft grip for a maximum welder comfort.

FEATURES & BENEFITS

- Leather sheath built on ball joint.
- Numerous options as directable head and trigger button.
- Saf-fro patented wear parts.

INDUSTRIAL RANGE

The modular system brings a increased control over the power source. All torches are delivered with a single button module.



The handle's ergonomic design give an optimal hand hold.

The ball joint gives excellent flexibility.

The first 1 m of the harness is leather which increases the service life of the welding hose.

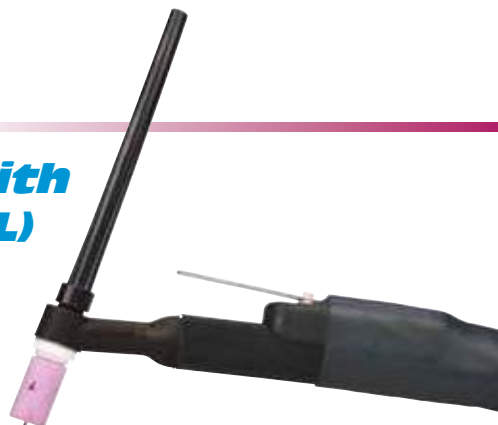
PROTIG III S

Round handle with blade trigger (RL)

These classic round handled TIG torches have been designed to meet all welding expectations in all positions.

FEATURES & BENEFITS

- Made in France.
- Neopren sheath.
- Metal directable blade trigger.
- Saf-fro patented wear parts.



Connectors

Air cooled



Water cooled



Air cooled

MODEL	10	20	30	40
Duty cycle 35%	125 A	150 A	200 A	250 A
Duty cycle 60%	80 A	100 A	130 A	200 A
Fitted as standard				
back cap	long	long	long	long
nozzle	Ø 10 mm	Ø 10 mm	Ø 12 mm	Ø 12 mm
electrode	Ø 1.6 mm	Ø 2.0 mm	Ø 2.4 mm	Ø 2.4 mm

Item number in length 5 meters*:

PROTIG NG S (EB-C5B/S)	W000278394-2	W000278396-2	W000278398-2	W000278400-2
PROTIG III S (RL-C5B/S)	W000382715-2	W000382717-5	W000382719-2	W000382721-2

Water cooled

MODEL	10 W	35 W	40 W
Duty cycle 100%	220 A	350 A	450 A
Fitted as standard			
back cap	long	long	long
nozzle	Ø 12 mm	Ø 15 mm	Ø 14 mm
electrode	Ø 2.4 mm	Ø 4.0 mm	Ø 4.8 mm

Item number in length 5 meters*:

PROTIG NG S (EB-C5B/S)	W000278402-2	W000278404-2	W000278406-2
PROTIG III S (RL-C5B/S)	W000382723-2	W000382725-2	W000382727-2

* Available in 8 m (see general catalog)

Other buttons	Item number	
	4.7 Kohm	10 Kohm
1 Horizontal command	W000279370	WP10529-3
2 Vertical command	W000279246	WP10529-4
3 3 buttons module	WP10529-2	-
4 Blade	W000279245	-

Other buttons



Wear parts box

A complete kit for all applications. The kit includes electrode collets, nozzles, back caps and collet body.



Designation	Item number
Torch 10/10W	W000306441
Torch 20	W000306442
Torch 30	W000306443
Torch 40/35W	W000306444
Torch 40W	W000306445

TIG TORCHES

SAFERO

WTT2

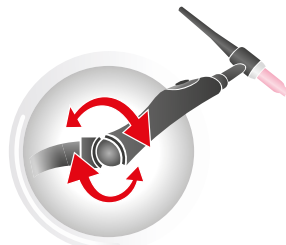
STANDARD RANGE

Simple and reliable, this range is adapted to the most common applications.

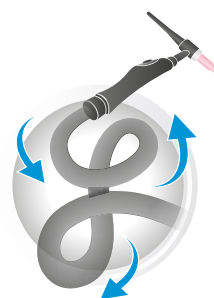


Standardised wear parts.

Handle, made with high temperature silicon rubber.



Easy pivoting handle (for EB handles).

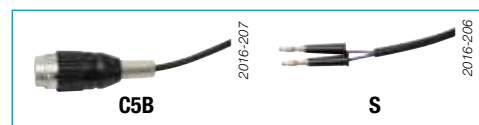


Extra-flexible high performance cable.

New connector :

Shaped cable output for a better robustness.

Connections



Air cooling

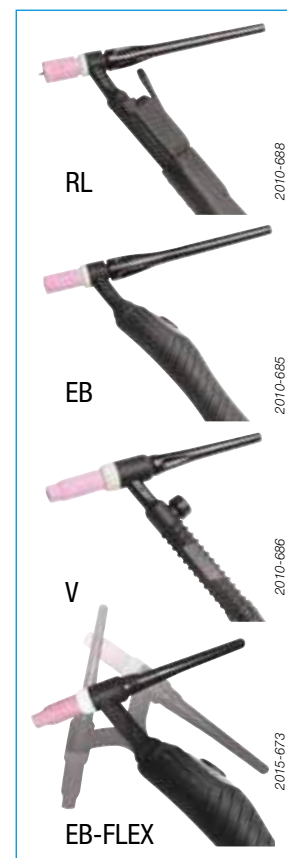
MODEL			WTT2 9	WTT2 17	WTT2 26	
Duty cycle at 40 °C	60%		80 A	100 A	130 A	
	35%		110 A	135 A	180 A	
Original equipment	back cap		Long			
	nozzle		Ø 10 mm		Ø 12 mm	
	electrode		Ø 1.6 mm	Ø 2.0 mm	Ø 2.4 mm	
Length *			4 m			
Handle	RL	Connection	S	W000278878	W000278883	W000278888
			C5B	W000278879	W000278884	W000278890
	EB		S	W000278877	W000278881	W000278886
			C5B	W000278875	W000278882	W000278887
	V		V (Conn. 9 mm)	W000278876	W000278880	-
			V (Conn. 13 mm)	-	W10529-17-4V	W000278885
	EB-FLEX		C5B/S	W000382781	W000382782	W000382784

Water cooling

MODEL			WTT2 20 W	WTT2 18 W
Duty cycle at 40 °C			200 A	320 A
			250 A	350 A
Original equipment	back cap		Long	
	nozzle		Ø 12 mm	
	electrode		Ø 2.4 mm	
Length *			4 m	
Handle	RL	S	W000278893	W000278897
		C5B	W000278894	W000278898
	EB	S	W000278891	W000278895
		C5B	W000278892	W000278896
	EB-FLEX	C5B/S	W000382786	W000382788

* Available in 8 m (see general catalog)

Handle



Wear parts box

For an easier maintenance of the WTT2 torches, two boxes are available.



Designation	Item number
Kit WTT2 9/9V/20W	W000371535
Kit WTT2 17/26/18W	W000371536

Tungsten electrodes WP - WC 20 - WL 20 - WS 20

150 mm length (except for WS 2 175 mm).

Ø mm	WP Pure tungsten AC current	WL15 Lanthanum 1.5% AC and DC current	WCe 20 Cerium 2% DC current	WLa 20 Lanthanum 2% AC and DC current	WS 2 Rare earths 2% AC and DC current
1.0	W000010009	W000402632	W000010022	W000010373	W000335166
1.6	W000010010	W000402663	W000010023	W000010016	W000335167
2.0	W000010011	W000402664	W000010024	W000010017	W000335168
2.4	W000010012	W000402665	W000010025	W000010018	W000335169
3.0	W000010013	W000402666	W000010026	W000010019	W000335170
3.2	W000010014	W000402667	W000335150	W000010020	W000335171
4.0	W000010015	W000402668	W000010028	W000010021	W000335172

Available in other lengths and types (see general catalog)



2006-528



TIG SHARP

Portable electric tool for tungsten electrodes sharpening. All you need to sharpen your tungsten electrodes delivered in a practical metal case, for an accurate action and an incredible result (perfect grind, very precise grinding angle, longitudinal sharpening, precise and symmetrical angle).

- Voltage: 220-230 V.
- Power: 400 W.
- Amperage: 1.8 A.
- Disk speed: 30.000 rpm.

FEATURES & BENEFITS

- Standard blue head for the electrodes diameter 1.6 / 2.0 / 2.4 / 3.2 mm.
- Nozzle connectable on a vacuum cleaner for extraction of tungsten dusts.

W000011035



2002-002

OPTICLEAN II

New inverter-technology installation for cleaning, polishing and marking of stainless steel.

Advantages :

- **Aesthetic:** no stains on the steel after cleaning.
- **Ecological:** no need to wear gloves or protective masks with the neutral solution. Large outdoor areas are not required: no toxic vapor emissions, no need for water treatment plant.
- **Economic:** no passivation after cleaning.
- **Gain of productivity:** no need to dip the pump into the liquid and to interrupt the operation several times. Improvement of the quickness while increasing current. Efficiency increased with the carbon blush.

OPTICLEAN II machine - W000382322
Marking Kit - W000271936



2014-157

Technical data:

	OPTICLEAN II
Primary Voltage	230 V - 1 ph
Frequency	50/60 Hz
Capacit	450 W
Electrode Voltage	10/30 V AC/DC
Isolation Class	IP 23
Noise level	< 10 dB (A)
Machine weight (empty)	7 kg
Machine dimensions	300 x 230 x 240 mm

Wear part box for TIG torch



2011-203

PROTIG III S / PROTIG NG S

Designation	Item number
Torch 10/10W	W000306441
Torch 20	W000306442
Torch 30	W000306443
Torch 40/35W	W000306444
Torch 40W	W000306445

WTT2

Designation	Item number
Kit WTT2 9/9V/20W	W000371535
Kit WTT2 17/26/18W	W000371536

TIG CONSUMABLES

SAFERO

RODS FOR TIG WELDING

TIG welding of carbon steels

ALTIG SG2

Shielding gas according EN ISO 14175: I1.

Features:

ALTIG SG2 is suitable for TIG welding of mild and C-Mn steels. Generally used for the root pass and to support welding when no back pass is possible. Excellent mechanical and toughness properties for low temperature applications, down to -40 °C.

Classification

A 5-18
ER 70S-6
EN ISO 636-A
W42 4 W3Si1

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.2	1000	Pack	5	W000283327
1.6	1000	Pack	5	W000283328
2.0	1000	Pack	5	W000283329
2.4	1000	Pack	5	W000283330
3.2	1000	Pack	5	W000283331

TIG welding and hardfacing of stainless steels and special steels

ALTIG 308L

Shielding gas according EN ISO 14175: I1.

Features:

ALTIG 308L is used for the welding of 304 and 304L grade stainless steel. The weld metal has good corrosion resistance properties, including intergranular attack from a range of liquid media at service temperatures <300 °C. It is used for a wide range of applications including pipework and plate fabrication, vessel production etc.

Low carbon reduces the propensity to intergranular carbide precipitation, which increases the resistance to intergranular corrosion without the use of stabilizers.

Classification

AWS A 5-9
ER 308L
EN ISO 14343-A
W 19 9L

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.2	1000	Pack	5	W000283419
1.6	1000	Pack	5	W000283420
2.0	1000	Pack	5	W000283421
2.4	1000	Pack	5	W000283422
3.2	1000	Pack	5	W000283423

ALTIG 316L

Shielding gas according EN ISO 14175: I1.

Features:

ALTIG 316L is used for the welding of 316 and 316L grade stainless steel. It is used for a wide range of applications including pipework and plate fabrication, vessel production etc.

Batch with controlled low ferrite number is available

for cryogenic applications. The weld metal has good resistance to crevice corrosion by oxidising acids.

Classification

AWS A 5-9
ER 316L
EN ISO 14343-A
W 19 12 3 L

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.2	1000	Pack	5	W000283455
1.6	1000	Pack	5	W000283456
2.0	1000	Pack	5	W000283457
2.4	1000	Pack	5	W000283458
3.2	1000	Pack	5	W000283459

Aluminium alloys welding

ALTIG Al Mg 5

Shielding gas according EN ISO 14175: I1.

Features:

ALTIG AlMg5 is a TIG welding rod depositing Al-5Mg weld metal. ALTIG AlMg5 is used for the welding of Al-Mg alloys and Al-Mg-Zn alloys. The rod is also suitable for the welding of dissimilar aluminium alloy grades containing up to 5%Mg and components which are subsequently to be anodised. ALTIG AlMg5 is the most widely used Al welding wire, because of the weld metals high yield strength and high resistance to corrosion, including seawater.

Classification

AWS A 5-10
ER 5356
EN 18273
S Al 5356

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.6	1000	Pack	5	W000283587
2.0	1000	Pack	5	W000283588
2.4	1000	Pack	5	W000283589
3.2	1000	Pack	5	W000283590
4.0	1000	Pack	5	W000283591

ALTIG Al Si 5

Shielding gas according EN ISO 14175: I1.

Features:

ALTIG Al Si 5 is a TIG welding rod depositing Al-5Si weld metal. Good weld bead aspect. Good weldability, the weld metal is not sensitive to cracking. Suitable for dissimilar joining in both wrought and cast form. ALTIG AlSi5 is used for welding of aluminium and aluminium alloys with a silicon content up to 5%.

Classification

AWS A 5-10
ER 4043
EN ISO 18273
S Al 4043

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
2.0	1000	Pack	5	W000283563
2.4	1000	Pack	5	W000283564
3.2	1000	Pack	5	W000283565

ARC EQUIPMENT MIG-MAG

STEP CONTROLLED MIG/MAG WELDERS

DIGISTEP machines set the standard for MIG and flux-cored welding in light industrial job shop fabrication, maintenance or repair work.

The range begins with the DIGISTEP 255C, which is an ideal machine for welding of thin sheet metal applications.

The DIGISTEP 305C is a more powerful version, still capable of welding thin material but with the extra power required for light fabrication work.

The DIGISTEP 355C truly is a multi-purpose model, ideal for both thin sheet applications and light to medium fabrication work.

It is equipped with SYNERGY to support easy control by the welder.

WARRANTY

3
YEARS

NEW

DIGISTEP 255C / 305C / 355C

FEATURES & BENEFITS

- Excellent welding behavior with Argon Mix and 100% CO₂.
- Voltage selectors with multiple steps for precise adjustment.
- Two chokes tabs giving superb arc characteristics.
- Excellent drive system and powerful motor guarantee consistent wire feed speed.
- Products developed and tested under the hardest conditions (*TRUE HD*) to grant the reliability you need.



	DIGISTEP 255C	DIGISTEP 305C	DIGISTEP 355C
Primary Voltage (50-60Hz)	230 V / 400 V (+/- 10%) - 3 ph		
Current Range	25 - 250 A	30 - 300 A	30 - 350 A
Wire Feed Speed range	1 - 20 m/min		
Duty cycle at 40 °C	250 A @ 35%	300 A @ 35%	350 A @ 40%
Fuse Size (A) (slow)	25 / 16	32 / 20	40 / 25
Weight	95 kg	96.5 kg	147 kg
Dimensions H x W x D	810 x 467 x 930 mm		890 x 565 x 1040 mm
Drive roll	2	4	4
Protection / Insulation Class	IP 23 / H		

Item number:

Power source	W000403584	W000403585	W000403586
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SYN
SYNERGIC
SETTINGS

STEP CONTROLLED MIG/MAG WELDERS

NEW

DIGISTEP 355S / 425S / 505S

DIGISTEP power sources along with WF24 & WF24S wire feeders offer unrivalled choice of step controlled MIG machines.

The WF24 and 24S are portable wire feeders with stabilised wire feed speed.

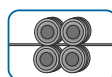
They include a rugged 4 roll wire feed unit, featuring cold inch, gas purge and built-in burn back facility.

They can be mounted on the power source with a swivelling, wheeled carriage.

The Synergic control of the WF24S allows the operator to simply set the welding voltage and start welding: wire feed speed adjusts automatically.

FEATURES & BENEFITS

- Excellent welding behavior with Argon Mix and 100% CO₂.
- Voltage selectors with multiple steps for precise adjustment.
- Two chokes tabs giving superb arc characteristics.
- Synergic control to support easy control by the welder with WF24S.
- Easy to convert to water-cooled - by simply adding the Cooler 25.



4 ROLLERS



MODULAR

WARRANTY
3
YEARS

SYN
SYNERGIC
SETTINGS

	DIGISTEP 355S	DIGISTEP 425S	DIGISTEP 505S
Primary Voltage (50-60Hz)	230 V / 400 V - 3 ph		
Current range	30 - 350 A	30 - 420 A	40 - 500 A
Duty cycle @40%	350 A	420 A	500 A
at 40°C @60%	285 A	345 A	410 A
Fuse Size (slow)	40 / 25 A	50 / 32 A	63 / 40 A
Weight	141 kg	151 kg	160 kg
Dimensions H x W x D	875 x 700 x 1035 mm		
Protection / Insulation Class	IP 23 / H		

Item number:

Power source	W000403590	W000403591	W000404224
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	WF24	WF24S
Drive rolls	4	
WFS	1 - 20 m/min	
Wire size	0.6 - 1.6 mm	
Weight	17 kg	
Dimensions H x W x D	440 x 275 x 636 mm	
Burn Back	✓	✓
Run in	✓	✓
Meters	✓	✓
2/4 step trigger	✓	✓
Synergy	-	✓
Cold Feed	✓	✓
Gas Purge	✓	✓
Spot Welding	✓	-
Gas Pre Flow	-	✓

Item number:

Wire feeder	W000403599	W000403600
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Cooling Unit

	COOLER 25
Cooling power	230 V - 1 ph
Cooling power	1.05 kW
Maximum pressure	3.5 bar
Dimensions	748 x 238 x 248 mm
Weight	17 kg

Item number:

COOLER 25	W000403601
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Source / Wire feeder cable gas	K10347-PG-xxM*
Source / Wire feeder cable water	K10347-PGW-xxM*

*xx = 5, 10, 15, 20, 25 m



FAN AS NEEDED



ARC EQUIPMENT MIG-MAG

COMPACT INVERTERS FOR MIG/MAG WELDING

PRESTOMIG 185MP & 210MP

NEW

PRESTOMIG 185MP & 210MP are small but powerful single phase inverter based, multiprocess machines. They are fully professional machine packed with features, into a small light-weight compact housing maximising portability.

These features make our range extremely versatile; they can be used for many different applications and can be easily moved around production facilities or transported to any location effortlessly.

These units can be powered from the mains supply or are also suitable for use with motor generators.

The PRESTOMIG 185MP & 210MP units have been equipped with Power Factor Correction (PFC), a feature which supports high output welding current from a single phase 230V1Ph 50/60Hz supply allowing it to be used with a long (up to max 100m) primary extension cable.

The welding performance gives excellent results for Steel, Stainless Steel and Aluminium (using 200mm dia. spools).

3 in 1
multi
process
CV MIG
FCAW
STICK

FEATURES & BENEFITS

- Compact, Robust, Innovative, Portable, Lightweight, Anyplace, Anywhere.
- Multiple Tasks:
 - PRESTOMIG 185MP:** CV MIG, FCW, Stick
 - PRESTOMIG 210MP:** CV MIG, CV Synergic, FCAW, Stick, Lift TIG
- Power Factor Correction (PFC). More Welding Power, consumes 30% less energy than conventional equipment, Generator Compatible.
- User Friendly Operation:
 - Icon control panel (185MP)
 - Icon control colour TFT Interface screen (210MP)
- Superior Arc Performance.




5 in 1
multi
process
CV MIG
CV SYNERGIC
FCAW
STICK
LIFT TIG



WARRANTY
2
YEARS

PFC
POWER FACTOR
CONTROL


MOTOR GENERATOR
COMPATIBLE


2 ROLLERS


LONG : 70 m
SECTION :
3 x 2.5 mm²

	PRESTOMIG 185MP	PRESTOMIG 210MP
Primary Voltage (50-60Hz)	230 V - 1 Ph	115 / 230 V - 1 Ph
Current Range	20 - 200 A	
Duty cycle at 40 °C	200 A / 24 V @ 25%	
Fuse Size (slow)	16 A	
Weight	17.3 kg	
Dimensions H x W x D	396 x 246 x 527 mm	
Protection Class	IP 23	

Item number:

Power source	W000403577	W000403576
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COMPACT INVERTERS FOR MIG/MAG WELDING

NEW

DIGISTEEL 255 & 325 C & C PRO

DIGISTEEL are inverter based compact welders for MIG/MAG and MMA welding.

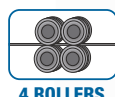
They are available as either the basic "C" version (*Volt & WFS controls and digital volt/ammeters*) or the advanced "C PRO" version (*color screen with 25 synergic curves*) with two welding outputs, 250 or 320A.

FEATURES & BENEFITS

- Designed with welders, for welders, with attention to details for better comfort.
- Innovative intuitive interface with simple navigation, easy settings and process selection, multi-language menu.
- Premium arc performance: Repeatable arc ignition, excellent arc stability, rapid parameter adjustment.
- Perfect feedability: Optimized wire positioning, 4 driven rolls, inspection window, LED lights.
- Ready for the heaviest industrial conditions: Developed and tested under the hardest conditions.
- More functions and features: Synergy, 7" colour screen, memories, joint visualization, multi-languages, USB connection for the PRO versions.



SYN
SYNERGIC
SETTINGS



WARRANTY
3
YEARS



DIGISTEEL 255 & 325 can be used both for MIG & STICK welding of steel, stainless steel, aluminium and MIG brazing applications.



	DIGISTEEL	
	C version	C PRO version
Welding processes	MIG & FCW welding Stick welding	
Setting	manual	auto/manual
Welding parameters	digital meters	large colour screen
Synergic modes	-	25 preset
JOB Mode / A-B	-	✓
ARCFX™	-	✓
Language selection	-	✓
Memory function	-	✓
USB connection	-	✓

	DIGISTEEL 255 C & C PRO	DIGISTEEL 325 C & C PRO
Primary Voltage (50-60Hz)	3400 V - 3 ph (+/- 15%)	
Effective primary consumption (A)	14.7 A	19.6 A
Efficiency at max current	86%	88%
Idle Power (W)	< 25 W	
Power factor at max current	0.85	0.90
Duty cycle (@ 40 °C)		
@ 40%	-	320 A
@ 60%	250 A	250 A
@ 100%	195 A	195 A
Current range max	10 A / 250 A	10 A / 320 A
Dimensions (LxWxH)	900 x 540 x 870 mm	
Weight	67 kg	

Item number:

C version	W000404101	W000404102
C PRO version	W000404103	W000404104

ARC EQUIPMENT MIG-MAG

HIGH TECH INVERTERS FOR MIG/MAG WELDING

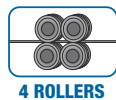
DIGISTEEL III 420 / 520

FEATURES & BENEFITS

- Easy to set front panel.
- Pre & post gas setting.
- Synergic mode for welding parameters.
- Digital display of parameters on wire feeder and power source.
- Powerful 4-rollers feeder unit.
- 2T/4T mode and point mode.
- Standard MAG, Speed Short Arc (SSA), HPS, MMA, Gouging, MIG Brazing.
- Sequencer welding cycle.



WARRANTY
3
YEARS



MOTOR GENERATOR
COMPATIBLE



	DIGISTEEL III 420	DIGISTEEL III 520
Primary Voltage (50-60Hz)	400 V (+/- 20%) - 3 ph	
Maximum primary consumption (100%)	26 A	33.9 A
Temporised fuses	25 A	32 A
Open circuit voltage	57 V	73 V
Welding range	15 - 420 A	15 - 500 A
Duty cycle (10 min cycle at 40 °C)	380 A (@60%) 350 A (@100%)	500 A (@60%) 450 A (@100%)
Dimensions (L x l x h)	720 x 295 x 525 mm	
Weight	34 kg	40 kg
Protection index	IP 23 S	
Standards	EN 60974-1 / EN 60 974-10	

Item number:

Power source	W000383615	W000383617
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Cooling Unit

	COOLER III
Cooling power	1.3 kW
Maximum pressure	4.5 bar
Dimensions	720 x 280 x 270 mm
Weight	16 kg

Item number:

Cooling unit	W000273516
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* Eco Friendly Welding and Cutting.

This label is awarded by Saf-fro to products that contribute to a sustainable development and/or to ensure better working conditions for welders.



WATER COOLING

Wire feeder

	DVU P400	DVU P500 expert
Rollers	4 drive rollers	
Wire speed	1 to 25 m/min	
Wire diameter	Steel/stainless steel	0.6 - 1.6 mm
	Cored wire /Aluminium	1.0 - 1.6 mm
Control	2 potentiometers	2 encoders
Display	-	2 displays + LCD
Protection / Insulation	IP 23S / H	
Standard	EN 60974-5 - EN 60974-10	
Dimensions	265 x 590 x 383 mm	
Weight	17.5 kg	

Item number:

Wire feeder	W000275266	W000275267
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COMPACT INVERTERS FOR MIG/MAG WELDING

DIGIPULS III 320 C

Innovative and powerful MIG/MAG machine with integrated wire feeder. Modest in size, but with everything a big machine could dream of.

- Synergic equipment.
- Welding current 320 A at 40%.
- 99 programs.
- Call programs with trigger.
- Welding cycle sequencer.

FEATURES & BENEFITS

- Electrical primary consumption reduced at the minimum (16 A).
- Reduced weight, body engineered in aluminium.
- Easy to carry.

WARRANTY
3
YEARS



2015-809

	DIGIPULS III 320C
Primary Voltage (50-60Hz)	400 V (+20% / -20%) - 3 ph
Primary effective consumption	11 A
Fusible	16 A
Duty cycle at 40 °C	320 A
at 60%	280 A
at 100%	220 A
Duty cycle (at 25 °C) at 100%	300 A
Welding range	15 A - 320 A
Dimensions	720 x 295 x 525 mm
Weight	29 kg
Standard	EN 60974-1 & EN 60974-10

Item number:

Power source	W000385050
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Optional water cooled versions

Cooling unit



2010-464

COOLER III
On demand

Trolley



2011-186

Universal
trolley
W000375730

Anti-dust filter

for power source protection



2011-186

Dust filter
W000373703

Aluminium welding kit

ALUKIT DVU 1.0-1.2
W000277622

A composition of wire guides and rollers for perfect aluminium welding.

Remote control

RC SIMPLE (10 m)
W000275904



Trolley for installation



2015-030

TROLLEY III
W000383000



2016-062

*** Eco Friendly Welding and Cutting.**
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ARC EQUIPMENT MIG-MAG

HIGH TECH INVERTERS FOR MIG/MAG WELDING

DIGIPULS III is the very latest innovative MIG/MAG advanced welding machines offering the welding market superior quality welding. DIGIPULS III has been designed in a modular form for easy workshop mobility to suit all welding applications (*manual or automatic*). These machines offer easy to understand process options and parameter selection via the machine control panel or the wire feed unit.



DIGIPULS III 420 / 520

FEATURES & BENEFITS

- A modular concept to meet all user requirements.
- User friendly control panels.
- Sequencer welding cycle.
- Full range of processes:
Standard MIG/MAG / Pulse /
Speed Short Arc / HPS MIG
brazing / MMA coated electrodes.
- Harnesses (up to 50 m).
- More than 100 synergies available.
- Storage of 99 welding programs
- Parameter locking with a digit
code the parameters will be limited
from 0 to +/- 20% range.
- Simple automatic interface included.



	DIGIPULS III 420	DIGIPULS III 520
Primary Voltage (50-60Hz)	400 V (+ 20% / - 20%) - 3 ph	
Primary consumption at I max.	27.1 A	33.9 A
Temporised fuse	25 A	32 A
No-load voltage	73 V	
Welding current	15-420 A	15-500 A
Duty cycle at 40°C	@60% 420 A	500 A
	@100% 350 A	450 A
Protection	IP 23S	
Standard	EN 60974-1 - EN 60974-10	
Dimensions	720 x 295 x 525 mm	
Weight	36 kg	40 kg

Item number:

Power source	W000383661	W000383662
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Wire feeder

	DVU P400	DVU P500 expert
Rollers	4 drive rollers	
Wire speed	1 to 25 m/min	
Wire diameter	Steel/stainless steel	0.6 - 1.6 mm
	Cored wire /Aluminium	1.0 - 1.6 mm
Control	2 potentiometers	2 encoders
Display	-	2 displays + LCD
Protection / Insulation	IP 23S / H	
Standard	EN 60974-5 - EN 60974-10	
Dimensions	265 x 590 x 383 mm	
Weight	17.5 kg	

Item number:

Wire feeder	W000275266	W000275267
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2016-507



Cooling Unit

	COOLER III
Cooling power	1.3 kW
Maximum pressure	4.5 bar
Dimensions	720 x 280 x 270 mm
Weight	16 kg

Item number:

Cooling unit	W000273516
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* Eco Friendly Welding and Cutting.

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ADVANCED MULTI-PROCESS WELDING EQUIPMENT

DIGIWAVE III

FEATURES & BENEFITS

- Regulation and numerical controls: total control of wave form alignment for process improvement and for exact parameter reproduction.
- Increased power (*Voltage/Current*): increase the arc rigidity with pulsed mode, which improves penetration and allow a good fusion with usually "hard-to-weld" wires.
- More arc transfer regimes: Soft current, Pulsed, SSA, PCM, SSP, SM, MIG brazing, MMA, and HPS.
- Control of aluminium welding: special equipments, adapted processes (*SM: Spray Modal™*), essential options for demanding applications (*reduction of micro porosity and increased penetration*).
- More memory: 153 welding synergies are available for all welding applications. These machines also include 100 programme memory selected via the wire feeder, remote control or CITORCH ME range.
- More controls: parameters monitoring, indication of the defects, parameters blocking on several levels, 100 programs, calibration.
- More cycles: 2T/ 4T/ Spot weld.
- More options: wide range for improved welding operations and applications.

WARRANTY
3
YEARS


MOTOR GENERATOR
COMPATIBLE



2016-513

 **SWAN**
Our solution for total
monitoring & traceability
of your welding activities.

**ROBOTIC PACKAGE
VERSION AVAILABLE**

Cooling Unit

	COOLER III
Cooling power	1.3 kW
Maximum pressure	4.5 bar
Dimensions	720 x 280 x 270 mm
Weight	16 kg

Item number:

Cooling unit	W000273516
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Wire feeder

	DUW W500
Weight	16 kg
Dimensions (l x b x h)	265 x 590 x 383 mm
Motor rollers	4
Wire diameter range	0.6 to 1.6 mm
Wire speed range	0-25 m/min
Spool diameter	300 mm

Item number:

Wire feeder	W000371926
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	DIGIWAVE III 420	DIGIWAVE III 520
Primary Voltage (50-60Hz)	400 V (+/-20%) - 3 ph	
Primary consumption at I max.	27.1 A	33.9 A
Welding current	15 - 420 A	15 - 500 A
Duty cycle at 40 °C	420 A @ 60%	500 A @ 60%
	350 A @ 100%	450 A @ 100%
Dimensions (L x l x h)	720 x 295 x 525 mm	
Weight	36 kg	40 kg
Protection index	IP 23	
Standards	EN 60974-1 / EN 60 974-10	

Item number:

Power source	W000384989	W000384990
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* Eco Friendly Welding and Cutting.

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MIG-MAG TORCHES

PROMIG

INDUSTRIAL RANGE



A complete range of MIG/MAG torches

- Extra flexible coaxial cable with ultra-resistant elastomer outer.
- Ergonomic handle with ball joint for perfect handling.
- Long lasting active part with few parts (*monobloc nozzle*).

Designation	Duty cycle at 60%	Wire diameter	Item number		
			3 m long	4 m long	5 m long
Air cooled standard torches					
PROMIG NG 181T	200 A (<i>CO₂</i>) 180 A (<i>Ar+CO₂</i>)	0.8 - 1.0 mm	W000275408	W000275419	W000275420
PROMIG NG 241	270 A (<i>CO₂</i>) 250 A (<i>Ar+CO₂</i>)	0.8 - 1.2 mm	W000345060	W000345061	W000345062
PROMIG NG 341	350 A (<i>CO₂</i>) 320 A (<i>Ar+CO₂</i>)	0.8 - 1.6 mm	W000345066	W000345067	W000345068
PROMIG NG 441	420 A (<i>CO₂</i>) 380 A (<i>Ar+CO₂</i>)	1.0 - 1.6 mm	W000345072	W000345073	W000345074
Water cooled standard torches					
PROMIG NG 241 W	270 A (<i>CO₂</i>) 250 A (<i>Ar+CO₂</i>)	0.8 - 1.2 mm	W000345063	W000345064	W000345065
PROMIG NG 341 W	350 A (<i>CO₂</i>)	0.8 - 1.6 mm	W000345069	W000345070	W000345071
PROMIG NG 441 W	420 A (<i>CO₂</i>)	1.0 - 1.6 mm	W000345075	W000345076	W000345077
PROMIG NG 450 W	500 A (<i>CO₂</i>) 450 A (<i>Ar+CO₂</i>)	1.0 - 1.6 mm.	W000274865	W000274866	W000274867



PUSH-PULL TORCHES

(double potentiometer to set up the parameters)

PROMIG PP 341 and 441W are dedicated to welding of light alloys wires. They come as standard with a 45° neck.

Designation	Duty cycle	Wire diameter	Length	Item number
Air cooled				
PROMIG PP 341 (neck 45°)	350 A @ 60% (CO ₂)	1.0 - 1.6 mm	8 m	W000385861
Water cooled				
PROMIG PP 441W (neck 45°)	420 A @ 60% (CO ₂)	1.0 - 1.6 mm	8 m	W000385863

NEW



PROMIG PP 441W (NECK 45°)

PROMIG PP 341 (NECK 45°)

To be transformed in 0° neck, additional parts are to be ordered:

■ **For PROMIG PP 341:**
Neck 0°: W000385867
Internal liner 0°: W000385869.

■ **For PROMIG PP 441W:**
Neck 0°: W000385868
Internal liner 0°: W000385871.

MIG-MAG TORCHES



LGS2 STANDARD RANGE

Simple and reliable, this range is adapted to the most common applications.



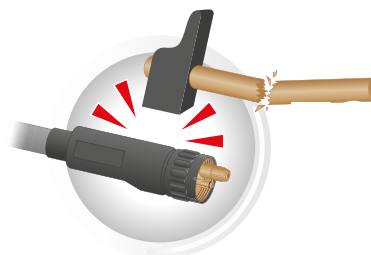
Wear parts compatible with the most common standard in Europe.



Easy pivoting handle.



Extra-flexible cable.



Extra length rear cable support ensure smooth and consistent wire feeding.

See our WST2 range for fume extraction torches page 40

MODEL

	AIR COOLING				WATER COOLING
	LGS2-150G	LGS2-250G	LGS2-240G	LGS2-360G	LGS2-505W
Duty cycle (CO ₂ shielding gas)	180 A @ 60%	230 A @ 60%	250 A @ 60%	330 A @ 60%	500 A @ 100%
Applications	Thin plates, automotive industry	Thin plates, light fabrication	Thin plates, light fabrication	Vessel manufacture, steel structures	Heavy duty, high production
Wire diameter	Up to 1.0 mm	Up to 1.2 mm	Up to 1.2 mm	Up to 1.6 mm	Up to 2.4 mm
Original equipment	Contact tip	0.8 mm	1.0 mm	1.2 mm	1.2 mm
	Conical nozzle	12 mm	15 mm	12.5 mm	16 mm

Item number:

3 m	W10429-15-3M	W10429-25-3M	W10429-24-3M	W10429-36-3M	W10429-505-3M
4 m	W10429-15-4M	W10429-25-4M	W10429-24-4M	W10429-36-4M	W10429-505-4M
5 m	W10429-15-5M	W10429-25-5M	W10429-24-5M	W10429-36-5M	W10429-505-5M

MIG pliers (original FIX®)

Useful to:

- Cut the wire.
- Unscrew the tips.
- Clean the nozzles.
- Unscrew the nozzles.

W000010453 - Ø nozzle 12-15 mm
W000010454 - Ø nozzle 15-18 mm



1415-26

MIG-MAG ACCESSORIES

WEAR PARTS BOX MIG-BOX FOR LGS2

The storage you were missing !



Features:

- Dimensions 36 x 24 x 5 cm.
- Plastified pieces guide included.
- Until 80 consumables.

FEATURES & BENEFITS

- No more losses.
- All the pieces on hand.
- Wear parts compatible with the most common standard in Europe.
- Ready-to-use.



MIG-BOX LGS2 150G

W000387234

MIG-BOX LGS2 240G

WP10429-K240

MIG-BOX LGS2 250G

W000387235

MIG-BOX LGS2 360G

W000387236

MIG-BOX LGS2 505W

W000387237

ANTI-SPATTERS

SPRAYMIG H₂O

- Water based and odourless.
- No influence on porosity and cold cracks.
- No influence of the content of diffusible hydrogen in the weld metal.
- Solvent and silicone free.
- Biodegradable.
- Allows parts to be lacquered.



W000010001
box of 12

CERASKIN

- Ceramic coating.
- An exceptionally fast drying, long lasting and durable coating.
- The ceramic base makes a barrier and prevents weld spatter adhering to welding equipment and welded parts.
- Grants 8 consecutive hours welding work (1 working day), without any further adds of product.



W000277679

ANTI-CORROSION

GALVASPRAY

By projecting an aluminium layer, it protects the weld bead and dries quickly. Can be painted.



W000011094

NON DESTRUCTIVE CRACKS DETECTION

Classification
EN 3452-2,
ASME, RCCM



FLUXO

cleaner, penetrant and developer.



FLUXO S 190

Piece degreasing & cleaning of penetrant excess.

W000374827



FLUXO P 125

- Penetrant.
- Temperature of use: 0 °C to 50 °C.
- Without rhodamine.
- Good impregnation.
- A single spray lasts more than 30 min without drying.

W000374825



FLUXO R 175

Detection of cracks and surface faults. Cracks are visible at the surface of the plates, thanks to clear vivid red indications easily seen by the naked eye (no UV light required).

W000374826

MASSIVE WIRES FOR MIG/MAG WELDING

Welding of mild steels

FILCORD A / FILCORD B

Shielding gas (according EN ISO 14175): M21 or C1.

Features:

Copper coated wires suitable for all type of general applications. The best product for everyday use. Good performances in terms of feedability and weldability, with optimized value for money.

FILCORD A				
Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
0.8	B300	PLW		E08K016P6E22
1.0		PLW		E10K016P6E22
1.2		PLW		E12K016P6E22
0.8	BS300	PLW	16	E08L016P6E22
1.0		PLW	16	E10L016P6E22
1.2		PLW	16	E12L016P6E22
1.0	DRUM	-	300	E10D300E6E22
1.2		-	300	E12D300E6E22

FILCORD A

Classification

AWS A 5-18
ER 70S-6

EN ISO 14341-A
G 42 3 C1 3Si1 /
G 42 4 M21 3Si1

FILCORD B				
Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
0.8	B300	PLW		E08K016P3E22
1.0		PLW		E10K016P3E22
1.2		PLW		E12K016P3E22
0.8	BS300	PLW	16	E08L016P3E22
1.0		PLW	16	E10L016P3E22
1.2		PLW	16	E12L016P3E22
1.0	DRUM	-	300	E10D300E3E22
1.2		-	300	E12D300E3E22

FILCORD B

Classification

AWS A 5-18
ER 70S-6

EN ISO 14341-A
G 46 3 C1 4Si1 /
G 46 4 M21 4Si1

FILCORD C / FILCORD D

Shielding gas (according EN ISO 14175): M21 or C1.

Features:

Copper coated wires used for general applications when reliable consumable is required. Excellent electrical contact resulting in a tight and stable arc. Enhanced feedability and weldability.

FILCORD C

Classification

AWS A 5-18
ER 70S-6

EN ISO 14341-A
G 42 3 C1 3Si1 /
G 42 4 M21 3Si1

FILCORD D

Classification

AWS A 5-18
ER 70S-6

EN ISO 14341-A
G 46 3 C1 4Si1 /
G 46 4 M21 4Si1

FILCORD E

Shielding gas (according EN ISO 14175): M21 or C1.

Features:

Special coated wires for demanding applications where productivity and efficiency are key. Exceptional arc stability. Low presence of spatters and silicates for a clean bead profile.

FILCORD E				
Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.0	B300	PLW	16	G10K016P6E22
1.2	B300	PLW	16	G12K016P6E22
1.0	DRUM	-	300	G10D300E6E22
1.2	DRUM	-	300	G12D300E6E22

FILCORD E

Classification

AWS A 5-18
ER 70S-6

EN ISO 14341-A
G 42 3 C1 3Si1 /
G 42 4 M21 3Si1



MIG-MAG CONSUMABLES

SOLID WIRES

Welding of stainless and special steels

FILINOX 308LSi

Shielding gas (according EN ISO 14175): M13.

Features:

FILINOX 308LSi is a solid MAG welding wire, supplied precision layer wound, depositing a low C-19Cr9Ni weld metal.

FILINOX 308L Si is used for welding of 304 and 304L grade stainless steel. The weld metal provides good corrosion resistance to intergranular attack from a range of liquid media. It is used for a wide range of applications including pipework and plate fabrication, vessel production etc. The low carbon reduces the propensity to intergranular carbide precipitation, which increases the resistance to intergranular corrosion without the use of stabilizers. The increased silicon content results in increased weld pool fluidity to give a smooth deposit appearance.

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
0.8		PLW	15	W000283021
1.0	BS300	PLW	15	W000283022
1.2		PLW	15	W000283023
1.0	DRUM	-	250	W000378613

Classification

AWS A 5-9
ER 308L Si
EN ISO 14343-A
G 19 9L Si

WE PRODUCE OUR STAINLESS STEEL SOLID WIRES

Our factory in Nijmegen in the Netherlands has over 70 years of experience producing world leading quality electrodes, cored and solid wires. We have invested in a state of the art fully automated production facility which manufactures best in class stainless steel MIG, TIG & SAW wires.

FILINOX 316LSi

Shielding gas (according EN ISO 14175): M13.

Features:

FILINOX 316LSi is a solid MAG welding wire, supplied precision layer wound, depositing a low C-19Cr12Ni2.5Mo weld metal. FILINOX 316LSi is used for welding of 316 and 316L grade stainless steels, in a wide range of applications including the fabrication of pipe and plate. The higher Si level results in a smooth weld bead shape and even appearance with excellent toe blending particularly in fillet welds. The weld metal has a high resistance to pitting and crevice corrosion by non-oxidising acids. Used for applications with service temperatures <400°C.

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
0.8		PLW	15	W000283078
1.0	BS300	PLW	15	W000283079
1.2		PLW	15	W000283080
1.0	DRUM	-	250	W000378630

Classification

AWS A 5-9
ER 316L Si
EN ISO 14343-A
G 19 12 3 L Si

WE PRODUCE OUR ALUMINIUM SOLID WIRES

Welding of aluminium and light alloys

FILALU AIMg5

Shielding gas (according EN ISO 14175): I1.

Features:

FILALU AIMg5 is a solid MIG welding wire, supplied precision layer wound, depositing Al-5Mg weld metal. FILALU AIMg5 is used for the welding of Al-Mg alloys and Al-Mg-Zn alloys. The wire is also suitable for the welding of dissimilar aluminium alloy grades containing up to 5%Mg and components which are to be subsequently anodised. FILALU AIMg5 is the most popular aluminium welding wire, because of its high yield strength and high resistance to corrosion, including seawater.

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
0.8		PLW	7	W000283232
1.0		PLW	7	W000283235
1.2	BS300	PLW	7	W000283238
1.6		PLW	7	W000283241
1.0	S200	PLW	2	W000283233
1.2		PLW	2	W000283236
1.2	S300	PLW	6	W000283237
1.6		PLW	6	W000283240

Classification

AWS A 5-10
ER 5356
EN 18273
S Al 5356

FILALU Al Si 5

Shielding gas (according EN ISO 14175): I1.

Features:

Solid wire that deposits a 5% Si alloy. Excellent weldability and good mechanical characteristics. Particularly suitable for welding Anticorodal 163 and 11 alloys. Due to its Si-alloying the weld pool is readily controllable. The weld is not sensitive for cracking and the surface is bright which are to be subsequently anodised. FILALU AIMg5 is the most popular aluminium welding wire, because of its high yield strength and high resistance to corrosion, including seawater.

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.0		PLW	7	W000283186
1.2	BS300	PLW	7	W000283187
1.2		PLW	7	W000283188

Classification

EN ISO 18273
S Al 4043
AWS A 5.10
ER 4043



FLUX CORED WIRES

Flux Cored Wire for MAG welding of carbon steels

SAFDUAL 206A

Shielding gas: M21 or C1.

Features:

SAFDUAL 206 A is high quality metal cored for welding of 355-420 Mpa mild steels. The wire meets impact requirements at -20 °C (M21) and is characterized by very low content of diffusible hydrogen - below 4 ml / 100 g. SAFDUAL 206A is characterized by very soft, elastic and forgiving arc. The wire produces very regular and clean welds and is characterized by high electrode efficiency → 95-97%.

All positional weldability on CV short and spray arc, suitable for pulse welding modes and robotic applications.

Classification	
EN ISO 17632-A	T 42 2 M M 1 H5
AWS A 5.18	E 70C-3M-H4
AWS A 5.36	E 71T15-M21A2-CS1-H4

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.0	B 300	PLW	16	W000281620
1.2		PLW	16	W000281622
1.6		PLW	16	W000281627

STEELCORED 14 HD

Shielding gas: M21.

Features:

STEELCORED 14 HD is high quality seamless copper coated rutile flux cored wire for welding of 355-460 Mpa mild steels. The wire meets impact requirements at -30 °C (M21) and is characterized by very low content of diffusible hydrogen - below 4 ml / 100 g. STEELCORED 14 HD helps to generate savings in welding costs due to very good performance with M21 gas and

89-90% electrode efficiency. All positional weldability. Suitable for semiautomatic and robotic welding.

Classification	
EN ISO 17632-A	T 46 3 P M 1 H5
AWS A 5.20	E 71T-1M -JH4
AWS A 5.36	E 71T1-M21A2-CS1-H4

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.2	S 200	PLW	5	W000384576
1.2	S 200	PLW	5	W000384576
1.2	B 200	PLW	16	W000281666

STEELCORED M 10

Shielding gas: C1.

Features:

STEELCORED M 10 is high quality seamless copper coated metal cored for welding of 355-460 Mpa mild steels. The wire meets impact requirements at -40 °C (M21) and is characterized by very low content of diffusible hydrogen - below 4 ml / 100 g. STEELCORED M 10 delivers regular welds with reduced amount of silicates

and is characterized by high electrode efficiency → 95-97%. All positional weldability on CV short and spray arc, perfect choice for pulse welding modes and robotic applications.

Classification	
EN ISO 17632-A	T 46 4 M M 1 H5
AWS A 5.18	E 70C-6M-H4
AWS A 5.36	E 71T15-M21A4-CS1-H4

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.0	B 200	PLW	16	W000281609
1.2	B 300	PLW	16	W000281612
1.4	B 300	PLW	16	W000281614
1.6	B 300	PLW	16	W000281617

STEELCORED 19 HD

Shielding gas: C1.

Features:

STEELCORED 19 HD is high quality seamless copper coated rutile flux cored wire for welding of 355-460 Mpa mild steels. The wire meets impact requirements at -30 °C (C1) and is characterized by very low content of diffusible hydrogen - below 4 ml / 100 g. STEELCORED 19 HD helps to generate savings in welding costs due to very good performance with C1 gas and 89-90% electrode

efficiency. All positional weldability. Suitable for semiautomatic and robotic welding.

Classification	
EN ISO 17632-A	T 46 3 P C 1 H5
AWS A 5.20	E 71T-1C -JH4
AWS A 5.36	E 71T1-C1A2-CS1-H4

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.0	B 200	PLW	5	W000281669
1.2	B 300	PLW	16	W000281671
1.2	DRUM	N/A	200	W000281672



MIG-MAG CONSUMABLES

FLUX CORED WIRES

Flux cored wire for MAG welding of stainless steels with low emission of Chrome VI in the welding fumes

SKYNOX F 316L

Shielding gas (according EN ISO 14175): M21.

Features:

SKYNOX F 316L is a rutile flux cored wire with a fast-freezing slag suitable for the welding of unstabilized and stabilized corrosion resistant CrNiMo steels. The weld metal is resistant to intergranular corrosion up to 400°C, and non-scaling up to 800°C. SKYNOX F 316 L exhibits outstanding, almost spatter-free, welding properties with very easy slag removal from fillet welds, even in acute angles. The weld beads produced are finely rippled without undercut. SKYNOX can reduce the exposure to CrVI thanks to the reduced welding fume (up to -40%) and the lower CrVI concentration in the welding fume. Use of SKYNOX flux cored wires conjunction with a fume control strategy may significantly reduce the exposure of CrVI to welders. Due to its fast-freezing slag, SKYNOX F 316 L is used for welding in the horizontal (PD), overhead (PE) and vertical-up (PF) positions.

Classification

EN ISO 17633-A
T 19 12 3 L PM 1

AWS A 5.22
E 316L T1-1

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.2	BS 300	PLW	15	W000387180

SKYNOX F 308L

Shielding gas (according EN ISO 14175): M21.

Features:

SKYNOX F 308L is an alloyed rutile flux cored wire with a fast-freezing slag for the welding of unstabilized and stabilized corrosion resistant Cr Ni-steels. SKYNOX can reduce the exposure to CrVI thanks to the reduced welding fume (up to -40%) and the lower CrVI concentration in the welding fume. Use of SKYNOX flux cored wires conjunction with a fume control strategy may significantly reduce the exposure of CrVI to welders. Due to the fast-freezing slag, it is well-suited for welding in the horizontal (PD), overhead (PE) and vertical-up (PF) positions. Very easy slag removal from fillet welds. Suitable for operating temperatures up to 350°C, non-scaling up to 800°C.

Classification

EN ISO 17633-A
T 19 9 L PM 1

AWS A 5.22
E 308L T1-1

Ø (mm)	Spool	Layer wound	Weight (kg)	Item number
1.2	BS 300	PLW	15	W000387178



ARC EQUIPMENT PLASMA



SINGLE PHASE INVERTERS FOR PLASMA CUTTING

METALWORK

PRESTOJET 8K PT 40-8 torches

Portable solution with an integrated compressor for manual plasma cutting.

FEATURES & BENEFITS

- High tech: microprocessor control and digital display to ease the use of the equipment.
- High duty cycle for a maximum efficiency.
- 8 mm quality cutting with only 25 A.
- Low air and current consumption.

WARRANTY
2
YEARS



PRESTOJET 8 PT 40-8 torches

Lightweight and powerful portable high tech solution for manual plasma cutting.

FEATURES & BENEFITS

- High tech: microprocessor control and digital display to ease the use of the equipment.
- High quality contact cut: genuine cut up to 8 mm.
- Lightweight: easy to transport.
- Reliable and strong: robust design.

WARRANTY
2
YEARS



PRESTOJET 12MV PFC PT 40-12 MV torches

Power and quality finally available on a high tech portable inverter.

FEATURES & BENEFITS

- Maximum cutting thickness: 12 mm.
- Pilot arc operating mode, which gives the possibility to work on painted or coated metals.
- Particularly suitable for cutting the overlapped sheets that are commonly used in the car bodies.
- Substantial energy savings and wide supply voltage tolerance (+15%/-20%).

WARRANTY
2
YEARS



FLEX LINE
MULTIVOLTAGE
INPUT POWER

PFC
POWER FACTOR
CONTROL



MOTOR GENERATOR
COMPATIBLE

	PRESTOJET 8K	PRESTOJET 8	PRESTOJET 12MV PFC
Power supply (+/- 10% - 50/60 Hz)	230 V - 1 ph	230 V - 1 ph	115 V / 230 V - 1 ph
Primary effective consumption	9 A	11 A	19 A / 11 A
Pressure and airflow	-	5.5 bars - 180 l/min.	-
Duty cycle (10 min at 40 °C)	25 A at 40%	25 A at 60%	30 A at 30% / 30 A at 35%
	20 A at 60%	-	23 A at 60% / 25 A at 60%
	15 A at 70%	20 A at 100%	20 A at 100% / 22 A at 100%
Weight	16 kg	8 kg	13 kg
Protection index	IP 23S		
Standards	EN 60974-1 / 60974-7 / 60974-10 Class A / EN 61000-3-11 & 12		

Item number:

Package	W000401626	W000401623	W000401629
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Packages including:

- a power source,
- a torch 4 m,
- an earth cable with clamp,
- a 3 m primary cable.

Item number torches:

Plasma torch PT 40-8	W000401849
Plasma torch PT 40-12	W000402337

ARC EQUIPMENT PLASMA

THREE PHASE INVERTERS FOR PLASMA CUTTING

PRESTOJET 60 & 100

FEATURES & BENEFITS

The concept for plasma cutting focuses on three elements:

- Starting - innovative advanced arc starting without HF.
- Performance - Innovative advanced electrode and nozzle design.
- Longer lifetime - Innovative advanced design increases lifetime of consumables.
- Faster - higher travel speeds and plate thickness.
- Flexible - Multiple torch configurations.
- Variety of materials - Mild steel, Stainless Steel, Aluminium and many more.

WARRANTY

3
YEARS



Cutting capabilities
PRESTOJET 60



Torches included

	PRESTOJET 60	PRESTOJET 100
Primary Voltage (50-60Hz)	400 V - 3 Ph	
Current Range	20 - 60 A	20 - 100 A
Cutting capacity	25 mm	40 mm
Duty cycle	40%	60 A
(10 min at 40 °C)	100%	100 A
Flow rate (l/min ± 20% @ 5.0 bar)	130	280
Inlet Pressure	6.0 bar	7.0 bar
Weight	23 kg	38 kg
Dimensions H x W x D	405 x 235 x 535 mm	465 x 290 x 670 mm



Cutting capabilities
PRESTOJET 100

Item number:

Package	W000403594	W000403596
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Torches

Designation	Duty cycle @60%	Flow rate	Cutting thickness (mm)		Length (m)	Item number
			Cut	Severance		
PT 40-8	25A	60 l/min @3.5bar	8	10	4	W000401849
PT 40-12	25A	60 l/min @3.5 bar	12	14	4	W000402337
LC65	60A	130 l/min @5.0 bar	25	30	7,5 / 15	PTH-061A-CX-7M5A / PTH-061A-CX-15A
LC65M	60A	130 l/min @5.0 bar	25	30	7,5 / 15	PTM-061A-CX-7M5A / PTM-061A-CX-15A
LC105	100A	280 l/min @5.5 bar	40	45	7,5 / 15	PTH-101A-CX-7M5A / PTH-101A-CX-15A
LC105M	100A	280 l/min @5.5 bar	40	45	7,5 / 15	PTM-101A-CX-7M5A / PTM-101A-CX-15A



LC65M/105M

WEAR PART BOX FOR PLASMA TORCH



PLASMA-BOX PT 40-8

W000402268

PLASMA-BOX PT 40-12

W000402269



PLASMA-BOX LC65

W03X0893-113A

PLASMA-BOX LC105

W03X0893-115A



PERSONAL PROTECTIVE EQUIPMENT

SAFERO



Helmets classification

CE EN 175

Cell classification

CE EN 379

AUTODARKENING HELMETS

EUROONE

All processes

- Variable shade DIN 3.5/9-13.
- Field of view 98 x 44 mm.
- Switching time clear-dark: **1/16000 sec.**
- Power supply: Solar cells, no battery change required
- 2 independent optical sensors.



WARRANTY
1
YEAR

W000403823

EUROSPEED LS

All processes - Special MMA and MI/MAG

- Variable shade DIN 3.5/9 - 13.
- Field of view 98 x 44 mm.
- Switching time clear-dark: **1/25000 sec.**
- Power supply: solar cells + 2 alkaline batteries.
- 2 independent optical sensors.



WARRANTY

18
MONTH



W000403824

CHAMELEON 4V+ LS

All processes - Special for TIG

- Variable shade DIN 3 to 8-13.
- Field of view 97 x 60 mm.
- Switching time clear-dark: **1/20000 sec.**
- Power supply: solar cells + 2 lithium batteries.
- 3 independent optical high sensitivity sensors.



WARRANTY
2
YEARS

W000403668



EUROLUX LS

Top of the range solution for all your applications

- Variable shade **DIN 3/8-13.**
- 4 modes settings per digital key:
 - welding shade: DIN 3/8-13,
 - grinding,
 - cutting or low amperage welding variable shade 3 to 8,
 - X-mode: this mode allows welding in outdoor conditions or with very low arc current (*lens turn when it's sense the welding current*).



WARRANTY
2
YEARS



W000403672

FEATURES & BENEFITS

- Every welding process.
- Extra large viewing area 97 x 60 mm.
- Switching time clear to dark:

1/25000sec.

- 4 independent optical sensors for optimal detection including position welding.
- Power supply: solar cells + 2 alkaline batteries.

GOLDENARK LS

High range LCD helmet that offers the biggest viewing area in the industry.



FEATURES & BENEFITS

- **Extra wide field of view** (dimension: 112 x 78 mm).
- **New comfortable headgear**
- **Yellow cell with optical class 1/1/1/2.**
- **4 optical sensors.**
- **InfoTrack system** providing useful information (current time - total welding time - alarm - temperature) with multi language help menu.
- **External grinding button.**
- **4 modes settings per digital key:**
 - welding shade: 3/8-13,
 - grinding,
 - cutting or low amperage welding variable shade 5 to 9,
 - X-mode: this mode allows welding in outdoor conditions or with very low arc current (*lens turn on when it's sense the welding current*).



WARRANTY
2
YEARS



W000403673

Classification

EN 175
EN 379
EN 166



AUTODARKENING HELMETS WITH AIR FLOW SYSTEM

ZEPHYR LS / FLIP'AIR LS

- With the ZEPHYR/FLIP'AIR LS solution, you will find in a rugged carry bag:
 - The ZEPHYR LS or FLIP'AIR LS helmet,
 - The ZEPHYR LS air flow system,
 - Protected hose connection,
 - A shoulder strap,
 - A battery charger,
 - An air flow-meter,
 - One extra filter.
- **2 flows rates** (low 160 l/min and high 200 l/min).
- **Two alarms** in case of flow insufficiency: **a tone and a vibration.**
- Lateral or vertical air flow.

WARRANTY
2
YEARS

Classification
CE EN 175
CE EN 379
CE EN 12 941 TH2

FLIP'AIR LS



**Helmet with
powered and
filtered airflow**

ZEPHYR LS

Complete package:
ZEPHYR LS - W000403674
FLIP'AIR LS - W000403675



POWERED RESPIRATOR

CLEANSPACE

CLEANSPACE is a major innovation in personal respiratory protection.

CLEANSPACE is a compact and light weight power unit cushioned around the back of the neck, counter-balancing the soft silicone low profile mask and providing fresh clean air, on demand, as you breathe.

This unique method of personal respiratory protection delivers significant benefits to workers in industry.

CLEANSPACE

is compatible with:

- Welding & safety helmets.
- Goggles, spectacles and face shields.
- Hearing protection.



NEW



CLEANSPACE		
Comfort air flow settings		3 levels
Maximum air flow		200 l/min.
Weight	Power Unit	485 g
	Mask	115 g
Audible alarm at ear		75 dB(A)
Life duration	Motor	10 years
	Battery	3 years or 500 cycles
Automatic switch-off		3 minutes after idle
Internal battery duration		4.5 hours minimum (typically > 6 hours)
Internal battery charging time		2 hours (to 95%)

Item number:

Respirator unit : (Composition: 1 power unit + 1 filter P3 + 1 charger + 2 protecting neck (thin & large) + 1 flow test cap+ 1 storage bag)	W000386837
Silicon mask small	W000386838
Silicon mask medium	W000386839
Silicon mask large	W000386840

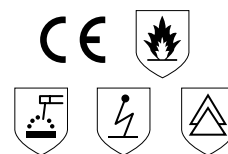
PERSONAL PROTECTIVE EQUIPMENT

SAFERO

WELDCOT 2

New protective clothings: comfort, lightness and high level of safety. Last technology for the heat protection combining low weight, high functionality and design.

FUNCTIONAL CLOTHES RANGE FOR WELDERS



EN ISO 11612: 2008
A1 - B1 - C1
EN ISO 11611: 2007
Class 1 - A1
EN ISO 1149-5: 2008
IEC 61482-2: 2009
Class 1



2011-460

Non contractual photo



Non contractual photo



2011-459

Non contractual photo



2011-462

Non contractual photo

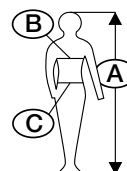


Non contractual photo

2008-149

Size	1 TROUSERS	2 JACKET	3 OVERALL	4 COAT	5 HOOD
S	W000372262	W000372268	W000372248	W000372242	W000372256
M	W000372261	W000372267	W000372249	W000372243	W000372255
L	W000372260	W000372266	W000372253	W000372244	W000372254
XL	W000372259	W000372265	W000372252	W000372245	-
XXL	W000372258	W000372264	W000372251	W000372246	-
XXXL	W000372257	W000372263	W000372250	W000372247	-

Important: choose your size with the hereunder table



Size EU	A	B	C
S	46	170-176	88-92
M	48	176-182	92-96
M	50	176-182	96-100
L	52	176-182	100-104
L	54	182-188	104-108
XL	56	182-188	108-112
XL	58	182-188	112-116
XXL	60	188-194	116-120
XXL	62	188-194	120-124
XXXL	64	188-194	124-128
XXXL	64	188-194	112-116

STOPCALOR

Split leather and flame retardant treatment

- 1.3 mm thick (+/- 0.2 mm).
- Reinforcement of the blue split leather glove for added protection of the palm thumb and index finger.
- Back being one complete piece.
- Overall length of the glove: approximately 350 mm (size 10) (+/- 5 mm).
- Handling of component parts not exceeding 100 °C.



Non contractual photo

2014-604

EN 12 477A

Size	Item number
10	W000380511

STOPCALOR +

Palm in natural grain leather for extra flexibility. Flame retardant treatment

- With doubled fabric.
- Overall length of the glove: approximately 350 mm
- Handling of component parts not exceeding 100 °C.

EN 12 477A



Non contractual photo

2014-614

Size	Item number
10	W000382261

TIG

Lamb skin glove for high level of dexterity and flexibility

- Complete hand in natural grain leather.
- Cuff in natural cow split leather.
- Overall length of the glove: approximately 360 mm.
- Handling of component parts not exceeding 100 °C.



Non contractual photo

2014-611

Size	Item number
9	W000380519
10	W000380520

STOPCALOR ALU

Palm in red split leather flame retardant treated, back in one single piece of Kevlar fabric with aluminised face.

- Palm in split leather flame retardant treated and double stitched in cotton.
- Inside cuff in natural split leather and double stitched in cotton.
- Outside cuff and back of hand in one single piece of Kevlar fabric with one scraped face and one aluminised face. Doubled stitched with cotton.
- Overall length of the glove: approximately 355 mm.
- Handling of component parts not exceeding 100 °C.



2013-117

Size	Item number
10	W000010420

GOGGLES / SPECTACLES

FASHION VISIT

EN 166

- Impact resistant.
- Polycarbonate single lens.
- Sports and ergonomic design.
- Weight: 22 g.

W000011062



2008-251

FASHION WELDING

EN 175

- Spectacles.
- Polycarbonate.
- Protection against high-speed particles - low energy.
- Protection against high-speed particles at extreme temperatures.
- Resistance to fogging of oculars.
- Resistance to surface damage by fine particles.
- Weight: 31 g.

W000383505



2015-023

PILOT FLIP UP

EN 175

- Flip up lenses anti-scratch treated.
- Elastic headband.
- Indirect ventilation value.
- Weight: 137 g.

W000011046



2005-254

FOLDING LEATHER HELMET

- Grain leather.
- Folding model, ideal for supervisors.

W000011115



2010-702

FLIP UP HELMET

- Flip-up window 105 x 50 mm.
- Heat-resistant material.
- 600 g.
- Shade 10 glass included.

W000010804



2014-563

LEATHER PROTECTION FOR NECK

- Grain leather.
- Fixation with adhesive band.
- Protection of the neck against arc radiation.

W000335139



1198-022

EARPLUG

- Box of 500 pieces.
- Without strings.
- SNR 34 DB.

FEATURES & BENEFITS

- Non-irritating and hypoallergenic foam coating.

EN 352



W000010989

Magnifying colourless glasses

EN 166

Piece of 105 x 50	
Diopter	Item number
1.0D	W000335031
1.5D	W000335032
2.0D	W000335033
2.5D	W000335034

5 pieces box.

The lenses have to be used with tinted filtering glasses. They are adapted to 105 x 50 mm passive helmets, and to LCD electronic helmets (GOLDENARK, CHAMELEON 3, CITOLUXE ADVANCE and ZEPHYR).



MAGNETIC GROUND CLAMPS AND POSITIONERS

MAGSWITCH

Magnetic ground clamps and positioners

The productivity in time savings with faster set ups, the convenience of no hassle use, and the safety advantages of using your hands less and less to handle and position steel cannot be ignored. From the point you receive steel in, to how you move it through your plant, to how you fabricate it, there is a MAGSWITCH tool that will improve safety and productivity. MAGSWITCH is simply a more productive way to do the job.

	Designation	Dimension (mm)			Weight (kg)	Welding current (A)	Item number
		L	I	P			
1	Magnetic ground clamp 300	155	104	67	0.3	300 A	W000373781
	Magnetic ground clamp 600	180	155	77	0.8	600 A	W000373782
2	Mini Multi Angle	76	76	32	0.18	N/A	W000373783
	Mini Multi Angle / 300A ground	95	89	44	0.36	300 A	W000373784
3	Muti Angle 400 Mag-Vise	221	193	81	1.13	N/A	W000373785
	Multi Angle 1000 Mag-Vise	160	200	125	4.25	N/A	W000373786
4	Mag Square 150	169	96	53	0.3	N/A	W000373787
	Mag Square 600	215	190	80	1.5	N/A	W000373788
5	Pivot Angle 200	250	180	65	1.72	N/A	W000373789
6	Hand Lifter 60 CE, Cordless electric	254	178	102	1.45	N/A	W000373791



2012-602



2012-603



2012-604



2012-605



2012-606



2012-608

CLAMPS

FOR NORMAL USE

CROCODILE 300/600

- 300 A at 35% (CROCODILE 300).
- 600 A at 35% (CROCODILE 600).
- Cable Ø: 50 mm² (CROCODILE 300).
- Cable Ø: 95 mm² (CROCODILE 600).
- Brass clamps.
- Brass jaws.
- Very good contact surface.



2007-756

CROCODILE 300 - W000010577
CROCODILE 600 - W000010578

FOR BULKY PARTS

ROTARY 800

- 800 A at 35%.
- Cable Ø: 2 X 95 mm².
- Allows the rotation of the cable around the piece.



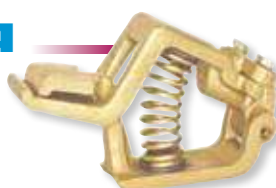
2009-206

W000010555

FOR HEAVY DUTY USE

MUSCLOR 300A

- Brass earth clamp.
- Powerful jaws.
- Excellent grip.

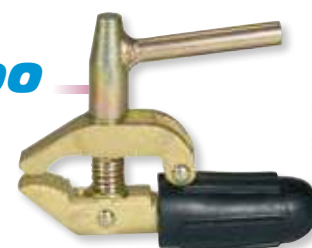


2004-638

W000010583

DRAGON 600

- 600A at 35%.
- Cable Ø: 95 mm².



2004-640

W000010582

CUTTING AND GRINDING DISKS

DUCTIFLEX PRO

Classification

EN 12413
EN 13743

Top quality cutting disks for professional.

Dimension	Shape	Use	Specification	Unit / box	Item number
125 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261931
125 x 1.6 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000335002
125 x 1 x 22 mm	flat	alu	AC 46 S7 BF	50	W000401338
230 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261935
230 x 2.5 x 22 mm	flat	steel	A 36 S7 BF	25	W000261937
230 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261940
125 x 3 x 22 mm	depressed	alu	AC 36 S7 BF	25	W000401348
125 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335006
230 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261944
230 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335004

NEW

NEW



When buying such products, always ask for OSA certification. The guarantee that the product complies with the safety standard and the additional requirements of the Organisation for the Safety of Abrasives.

DUCTIFLEX

A grinding range for standard structural steel

Dimension	Shape	Use	Specification	Unit / box	Item number
125 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261946
230 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261948



DUCTIFLAP

Abrasive flap disks

Dimension	Grit	Unit / box	Shape	
			15 % conical for fiberglass backing	Flat for nylon backing
125 x 22 mm	40	10	W000264535	W000273754
125 x 22 mm	60	10	W000264534	W000273756
125 x 22 mm	80	10	W000335008	W000273755



SECONDARY CABLES

Reinforced safety : resistant to incandescent particles.

This rubber cable is isolated by neopren and in conformity with the welding standard.

HD 516 S2/A1



FEATURES & BENEFITS

Very high flexibility and good behavior against deformation.

Ø	A max	Couronne (50 m)	Linear meter
16 mm ²	150 A	W000260274	W000260272
25 mm ²	213 A	W000260275	W000260273
35 mm ²	279 A	W000260276	W000260271
50 mm ²	371 A	W000260277	W000260270
70 mm ²	482 A	W000260278	W000260269
95 mm ²	606 A	W000260279	W000260268

CONNECTORS

Classification

EN 60974-12



Description	Ø connector	Ø mm ²	A maxi	Item number Linear meter
mâle	9 mm	10 - 25 mm ²	250 A	W000010559
		35 - 50 mm ²	400 A	W000010560
	13 mm	35 - 95 mm ²	600 A	W000010092
		70 - 95 mm ²	600 A	W000010561
femelle	9 mm	10 - 25 mm ²	250 A	W000010562
		35 - 50 mm ²	400 A	W000010563
	13 mm	35 - 95 mm ²	600 A	W000010093
		70 - 95 mm ²	600 A	W000010564

ACCESSORIES

COOLING LIQUID FOR TORCHES

FREEZCOOL (RED)

Specially designed for the cooling of welding torches.

- High electrical resistivity.
- Ensures an anti-freezing protection down to -27 °C.
- Anti-corrosion and anti-algae growth.

9.6 liters

W000010167



2004-216_ref

STAINLESS STEEL TREATMENT

Gel 2 kg

PICKLINOX G

Pickling of stainless steels after welding.

W000266426



2008-386

RESTORINOX G

The final operation that gives steel its stainless characteristics back.

W000266430



2008-389

MARKERS

A FULL MARKING RANGE

1 **Welding Chalk**

- The soapstone welding crayon is resistant to heat up to 2000° C (3630° F).
- Will not contaminate welds.

Item number

W000383116

2 **Paintstik QUIK STIK**

- Quik Stik is a smooth-marking solid paint crayon that dries quickly to leave a bold, permanent mark on most surfaces.

Color	Item number
White	W000383113
Yellow	W000383114
Red	W000383115

3 **Paint tube STYLMARK MARKAL**

- Markal Stylmark is a metal-ball tip marker to mark most surfaces.
- The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with excellent adhesion on oily and wet surfaces.

Color	Item number
White	W000383110
Yellow	W000383111
Red	W000383112

4 **Paint marker VALVE ACTION**

- Most versatile liquid paint marker in the world.
- The xylene-free paint reduces user health risks.

Color	Item number
White	W000383103
Yellow	W000383104
Red	W000383105
Blue	W000383106

Color	Item number
Green	W000383107
Black	W000383108
Orange	W000383109



2015-108

2015-107

2015-102

2015-098



MOBILE SCREENS

PREMIUM

Robust and portable screen.
The curtain is tight and
stable when in position.

- Galvanized pipes frame
(diam. 25 x 1 mm).
- Screen 1 700 mm x 1 700 mm.

Classification
EN 1598



0823-18

**ANTI IR/UV
PROTECTION**
**SELF
EXTINGUISHABLE**

Designation	Complete screen
Orange CE	W000371474

UNIVERSAL

The UNIVERSAL screen with strips is a very stable screen,
offered with castors.

- Screen frame in square tube
50 x 32 x 2 mm and round
tubes 35 x 2.5 mm.
- With it's large diameter castors
(Ø 75 mm) and it's rugged
frame it will be a long lasting
investment.

Designation

Orange CE
Green T9

Frame height 2 100 mm
Screen width L 4 300 mm =
1 100 + 2 100 + 1 100 mm
1 frame on castors
+ 2 rotating extensions L 1.10 m
+ 1 accessories kit
+ 5 kits of 4 strips
Height 1 800 mm

W000010292
W000010291



Classification
EN 1598

0823-23

OPTILAM (straps)

The OPTILAM screen is a special screen with 300 mm x 2 mm strips
across the frame. Its frame has a special design to enable easy portability
whilst giving a very good stability when in position. The design
of the feet allows the screens to be placed at 90° of each other.

- Width 1 860 mm, height 1 930 mm.
- Painted frame.
- Equipped with 7 strips of 1 750 mm height in accordance
with EN 1598 standard.

Classification
EN 1598

Designation	Complete screen
Orange CE	W000010472



0823-19

VULCAIN BLANKET

Curtains and heat resistant fabrics. Glass fiber 2 sided polyurethane.

- Temperature - Peak: 600 °C /
Continuous: 550 °C.
- Thickness: 0.7 mm.
- Weight: 710 g/m².
- Horizontal and vertical light welding,
cutting and grinding applications.

M0 CERTIFIED

Fire proof

Dimensions H x L	Item number
2 000 x 1 000 mm	W000010319
2 000 x 2 000 mm	W000010320



2009-263_jef

FUME EXTRACTION



WST2 FUME EXTRACTION TORCHES

NEW

WST2

Our new WST2 torches are above all a range of welding torches that efficiently extract welding fumes. Extraction is obtained at a high extraction rate with low load loss due to the advanced air flow design of the torches. The WST2 torches offer same welding accessibility than traditional torches (at same welding characteristics).

Conform to the standard
EN 60974-7 and to the INRS
of 01/07/2015 rules



Air cooled WST2



Water cooled WST2

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--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Contact tube		M6	M8 x 30	M8 x 30	M8 x 30	M8 x 30	M8 x 30
Ø nozzle		12 mm	15 mm	15 mm	15 mm	15 mm	19 mm
Welding intensity @ 100% duty cycle	CO ₂	250 A	300 A	400 A	300 A	360 A	450 A
	Ar / CO ₂	225 A	270 A	320 A	260 A	320 A	410 A
Weight (g) according standard		1180	1365	1465	1570	1565	1565

Minimal efficiency performances

For speed 0.25 m/s	Flowrate m ³ /h	73	94	94	94	90	94
	Suction Pa	8 400	10 600	10 600	12 500	11 000	12 500
For speed 0.3 m/s	Flowrate m ³ /h	87	113	113	113	108	113
	Suction Pa	13 100	16 300	16 300	16 500	16 300	16 500

FEATURES & BENEFITS

- Wear parts compatible with the most common

- standard in Europe.
- Light and easy to carry
- Air flow rate managed by DUALFLOW system.



AIR

WATER

Designation	Item number
WST2 - 2R 250 A @ 100%	3M W000381887 4M W000381888 5M W000381889
WST2 - 3R 300 A @ 100%	3M W000381890 4M W000381891 5M W000381897
WST2 - 4R 400 A @ 100%	3M W000381898 4M W000381899 5M W000381900

Designation	Item number
WST2 - 3W 300 A @ 100%	3M W000381901 4M W000381902 5M W000381903
WST2 - 4W 360 A @ 100%	3M W000381904 4M W000381905 5M W000381906
WST2 5W *	3M W000381907
450 A @ 100%	4M W000381908
	5M W000381909
WST2 5W LN *	3M Nous consulter
450 A @ 100%	4M Nous consulter
(Buse rallongée)	5M Nous consulter

LN: Long Nozzle - Torch with extended nozzle: +5 cm at the horizontal part of the torch. Ideal for easier access to difficult joints and for very high duty cycle welding (the welder's hand is not close of the welding bead).



2015-428

DUALFLOW is a device allowing the modulation of the fumes extraction flowrate by the welder. By a simple pulse on a microswitch on the handle of the torch, and during welding the welder can decide to change the suction power. This reduced flowrate will apply for welding zone in confined area providing in all situations high quality welds and preserving the welder from the fumes. DUALFLOW is patented by Saf-fro.

AIR

Designation	Item number
WST2 - 2R 250 A @ 100%	3M W000384970 4M W000384971 5M W000384972
WST2 - 3R 300 A @ 100%	3M W000384973 4M W000384974 5M W000384975
WST2 - 4R 400 A @ 100%	3M W000384976 4M W000384986 5M W000384987

WATER

Designation	Item number
WST2 - 3W 300 A @ 100%	3M W000384977 4M W000384978 5M W000384979
WST2 - 4W 360 A @ 100%	3M W000384980 4M W000384981 5M W000384982
WST2 - 5W *	3M W000384983
450 A @ 100%	4M W000384984 5M W000384985

* Double cooling circuit: Saf-fro patent.

OPTION

Transformation kit of a standard torch to a DUALFLOW version	W000385157
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FUME EXTRACTION

COLLECTION UNITS FOR USE WITH FUME EXTRACTION TORCHES

ESSENTIAL TE35

Features:

- Flow from 80 to 135 m³/h depending on the torch.
- Metal pre-filter.
- Arc detection sensor for an automatic commissioning and a 5 m supply cable.
- Mounting of this unit is done vertically or horizontally.
- Maximum flow 310 m³/h.
- Maximum vacuum 30 000 Pa.
- Motor 3Ph - 3 kW.
- Weight 51 kg.

This unit outlet should be connected outside the room or to a centralised network through the Ø 80 mm.

ESSENTIAL TE 35 Standard - W000278334

ESSENTIAL TE 35 DUALFLOW - W000379431



2012-466

MODULO MD 2

Features:

- Usable with 1 or 2 torches WST2.
- Metal pre-filter.
- Arc detection sensor for an automatic commissioning and a 5 m supply cable.
- Mobil turbine with 2 wheels.
- Complement option:
 - Filtration cartridge with 5 m² filtration surface,
 - Filter and pressure regulator.
- Cleaning by compress air, manually activated.
- Maximum flow 310 m³/h.
- Maximum vacuum 30 000 Pa.
- Motor 3Ph - 3 kW.
- Weight 65 kg.

This unit outlet should be connected outside the room or to a centralised network through the Ø 80 mm.

MODULO MD 2 Standard - W000401385

MODULO MD 2 DUALFLOW - W000401389



DUALFLOW turbines

Associated to fume extraction torches microswitch WST2, the DUALFLOW fume extraction turbines allow to obtain a nominal fume extraction flow during the entire welding time, and, by an information transmitted by the torch, give a lower fume extraction flow for welding in a confined space.

2 functioning modes :

- 2T mode : lower fume extraction flow as the microswitch is triggered
- 4T mode : an impulsion on the microswitch lowers the fume extraction flow, a new impulsion gives the maximum flow back.

FUME EXTRACTION

MOBILFILTER 1600M

Features:

- Collection flow on the arm: 1 600 m³/h.
- Mechanical cassette filter.
- Filtration surface 35 m² Ei >99.9%.
- EN 60335-2-69 CLASSE M.
- Motor 1.5 kW.
- Rear vertical outlet.
- Automatic start/stop with arc detection by magnetic sensor included.

It gets, as a complement, an external release set for a Ø 160 mm hose.



Designation	Item number
MOBILFILTER 1600M 400 V - 3 PH - 50 HZ	W000377937
MOBILFILTER 1600M 230 V - 1 PH - 50 HZ	W000377938
Fume extraction arm to choose	
ECOFLEX arm 3 m	W000341029
ECOFLEX arm 4 m	W000341031
Option	
Exterior reject kit Ø 160 mm	W000380765

MOBILFILTER 50M

Features:

- Collection flow on the arm: 1 600 m³/h.
- Fan flow: 2 400 m³/h.
- Filtration is provided by a 50 m² surface cellulose cartridge.
- A choking indicator signals when the cartridge must be replaced.
- PICKFUME and EASY PICKFUME arms.
- Air flow at the nozzle: 1 200 m³/h.



Designation	Item number
MOBILFILTER 50M - 230 V - 1 PH - 50 HZ	W000371997
MOBILFILTER 50M - 230 V - 3 PH - 50 HZ	W000371998
MOBILFILTER 50M - 400 V - 3 PH - 50 HZ	W000371999
Fume extraction arm to choose	
PICKFUME arm 3 m	W000372010
PICKFUME arm 4 m	W000371987



www.saf-fro.com

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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