



Demand the Welding Expertise

SELECTED PRODUCTS FOR WELDING & CUTTING



WELDING

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PICTOGRAMS MEANING

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

POWER SOURCES FOR MMA WELDING

MINIARC 3.2

Ø ELECTRODES 1.6 to 3.2 mm

FEATURES & BENEFITS

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

- **PROFESSIONAL**
Compatible with motor generators
- **RELIABLE**
Safe and reliable
- **EASY TO USE**
Excellent arc striking and stability thanks to the Hot Start, Arc Force and Anti Stick functions
- **POWER SUPPLY**
230 V single-phase
- **ULTRA-LIGHT**
Less than 3.8 kg
- **READY FOR USE**
Delivered with case and accessories
- **OPTION**
 - TIG torch WTT2 9V: W000278876
 - maintenance box for torch: W000371535

WARRANTY

1
YEARS

1 YEAR FREE
WITH YOUR
REGISTRATION



	MINIARC 3.2
Power supply - 50/60 Hz	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
Cat. nr	W000385238

CITOARC 1600 / 1750

Ø ELECTRODES 1.6 to 3.2 mm

FEATURES & BENEFITS

Power sources for manual metal arc welding for industrial and professional use. Compact and reliable system. Compatible with motor generator.

- **LIGHTWEIGHT**
less than 7 kg
- **EASY TO USE**
Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking. Primary cable with 16 A Schuko plug (except 1600 model)
- **VERSATILE**
welding with all coated electrode (except cellulosic)
- **HIGH PERFORMANCE**
High duty cycle at 40 °C
- **HANDY**
thanks to the handy carrying strap
- **OPTION**
 - MMA accessory kit: W000268854
 - TIG torch WTT2 17V: W000278880
 - + maintenance box: W000371536

WARRANTY

1
YEARS

1 YEAR FREE
WITH YOUR
REGISTRATION



	CITOARC 1600	CITOARC 1750
Power supply - 50/60 Hz	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	
Cat.nr	W000385242	W000385243

ARC EQUIPMENT MMA

PORTABLE INVERTERS FOR DC WELDING

CITOARC FORCE

	CITOARC 1450 FORCE	CITOARC 1650 FORCE	CITOARC 1850 FORCE
Power supply	230 V single phase (+15/-20% - 50/60 Hz)		
Primary effective consumption	12 A	15 A	15 A
Motor generator power	5.5 kVA	6.8 kVA	6.8 kVA
No-load voltage	48.4 V	48.4 V	48.4 V
Welding intensity	10 - 140 A	10 - 160 A	10 - 180 A
Duty cycle (10 min. cycle @ 40 °C)	-	140 A (40%)	160 A (30%)
	60%	120 A	140 A
	100%	100 A	120 A
Electrode diameter	1.6 - 3.2 mm	1.6 - 4.0 mm	1.6 - 4.0 mm
Connector size	9 mm	9 mm	9 mm
Dimensions	320 x 170 x 395 mm	320 x 170 x 395 mm	320 x 170 x 395 mm
Weight	6.6 kg	6.6 kg	6.6 kg
Protection index	IP 23		
Insulation class	H		
Standards	EN 60974-1 / EN 60974-10 / EN 61000-3-2/12		

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.

To order:

Power source	W000385251	W000385252	W000385253
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Add ons:

MMA kit ⁽¹⁾ 25C25+	W000260683		
Valve TIG torch WTT2 9 V - 4 m	W000278876	-	-
Valve TIG torch WTT2 17 V - 4 m	-	W000278880	
EXPLORATOR case	W000371907		

(1) Electrode holder and earth clamp with welding cables



FEATURES & BENEFITS

- Better compatibility with motor generator due the FORCE device (PFC controller)
- Build in Hot Start and Anti Sticking devices
- Rutile and basic coated electrodes
- Noise reduction due to smart fan system
- Compact design
- Low primary consumption
- TIG welding possible (TIG LIFT device)



INVERTERS FOR DC WELDING

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

CITOARC 1900C FORCE

FEATURES & BENEFITS

- Rugged "on site" design
- Build in Hot Start and Anti Sticking devices
- Motor generator compatible
- MMA - TIG LIFT+ modes
- Arc dynamism control
- Rutile, basic and cellulosic coated electrodes
- Low primary consumption
- VRD function to increase safety when working in humid environment



TIG LIFT +



MOTOR GENERATOR
COMPATIBLE



LONG : 70 m
SECTION :
3 x 2.5 mm²



SAVE ENERGY



POWER FACTOR
CONTROL



VRD

Cellulosic



SINGLE-PHASE

WARRANTY

1+
YEARS 1 YEAR
FREE WITH YOUR
REGISTRATION



2015-741

CITOARC 3000 MV



WARRANTY

1+
YEARS 1 YEAR
FREE WITH YOUR
REGISTRATION



SINGLE-PHASE



TIG LIFT



MOTOR GENERATOR
COMPATIBLE



THREE-PHASE



VRD

Cellulosic

FEATURES & BENEFITS

- Sturdy and liable
- Digital display of parameters
- Hot Start build in device for easy arc striking
- Arc Force setting from the front panel for a better arc stability
- Anti Sticking device for easier welding
- TIG LIFT device
- Rutile, basic and cellulosic coated electrodes
- Versatile: single or three phase power connection, with input voltage range between 180 V and 440 V
- VRD device to increase safety when working in humid environment

	CITOARC 1900C FORCE	CITOARC 3000 MV
Power supply (+/- 20% - 50/60 Hz)	230 V single-phase	230 V single or three-phase - 400 V three-phase
Primary effective consumption	16 A	9 A
Motor generator power	7.3 kVA	9 kVA
No-load voltage	67 V (14 V VRD)	105 V (14 V VRD)
Welding intensity	5 - 160 A	220 A 440 V
Duty cycle (10 min. cycle @ 40 °C)	160 A (50%) 150 A 130 A	220 A (40%) 270 A (35%) 190 A 150 A
Electrode diameter	1.6 - 4.0 mm	1.6 - 5.0 mm
Connector size	13 mm	13 mm
Dimensions	200 x 365 x 475 mm	250 x 470 x 450 mm
Weight	9 kg	19 kg
Protection index	IP 23	
Insulation class	H	
Standards	EN 60974-1 / EN 60974-10	

To order:

Power source	W000385258	W000384358
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Add ons:

Kit arc ⁽¹⁾	W000260684	W000011139
Remote control	W000242069	
Valve TIG torch WTT2 - 26 V - 4 m	W000278885	
Maintenance box for WTT2 26	W000371536	

(1) Electrode holder and earth clamp with welding cables



ARC EQUIPMENT MMA

CITOARC 2200i VRD

FEATURES & BENEFITS

- Sturdy and liable
- Digital display of parameters
- Hot Start build in device for easy arc striking
- Arc Force setting from the front panel for a better arc stability
- Anti Sticking device for easier welding
- TIG LIFT+ device with striking and slope down control
- Rutile, basic and cellulosic coated electrodes
- VRD device to increase safety when working in humid environment

WARRANTY
1+1
YEARS
YEAR FREE
WITH YOUR
REGISTRATION



Cellulosic



CITOARC 3500i CC/CV

FEATURES & BENEFITS

- Rugged "on site" design
- Build in Hot Start and Anti Sticking devices
- Digital display of parameters
- MMA - TIG LIFT - MIG - GOUGING
- Arc dynamism control
- Rutile and basic coated electrodes
- In option remote control

WARRANTY
2+1
YEARS
YEAR FREE
WITH YOUR
REGISTRATION



	CITOARC 2200i VRD	CITOARC 3500i CC/CV
Power supply	400 V three-phase (+/- 20% - 50/60 Hz)	400 V three-phase
Primary effective consumption	9 A	
Primary maximum consumption	9 kVA	28.5 A
No-load voltage	105 V (14 V VRD)	91.2 V
Welding intensity	5 - 220 A	5 - 350 A
Duty cycle	35% 220 A (40%)	350 A
(10 min. cycle @ 40 °C)	60% 190 A	300 A
	100% 150 A	250 A
Electrode diameter	1.6 - 5.0 mm	1.6 - 6.3 mm
Connector size	13 mm	13 mm
Digital display	Yes	Yes
Dimensions	250 x 470 x 450 mm	525 x 300 x 390 mm
Weight	19 kg	29 kg
Protection index	IP 23	IP 23 S
Isolation class	H	
Standards	EN 60974-1 / EN 60974-10	

To order:

Power source	W000268694	W000263469
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Add ons:

MMA kit ⁽¹⁾	W000011139	W000260682 (400 A @ 35% maxi)
MMA remote control 10 m	W000242069	W000305048
Additional length for remote control - 15 m	-	W000305056
M200 TIG add on ⁽²⁾	-	W000305050
DV YARD autonomous wire feeder	-	W000382134 W000382135 ⁽³⁾

(1) Electrode holder and earth clamp with welding cables (2) TIG welding with HF striking
(3) With build in flowmeter

RECTIFIERS FOR MMA DC WELDING

CITOROD T

The **CITOROD T** 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

- Sturdy
- Convenient hand-barrow
- Lifting rings
- Efficient fan cooling
- Bi-voltage



	CITOROD 3000 T	CITOROD 4000 T	CITOROD 4500 T
Primary supply	230 V / 400 V three-phase (+/- 10% - 50/60 Hz)		
Primary effective consumption	25 A / 15 A	34 A / 19.5 A	53 A / 30 A
Primary consumption at I max.	42 A / 33 A	57 A / 33 A	78 A / 45 A
No-load voltage	66 V	70 V	63 V / 70 V
Welding intensity	55 - 260 A	50 - 325 A	60 - 400 A
Duty cycle 35%	260 A	325 A	400 A (@45%)
(10 min. cycle 60%	200 A	250 A	345 A
@ 40 °C) 100%	155 A	190 A	265 A
Electrode diameter	2.0 - 4.0 mm	2.5 - 5.0 mm	2.5 - 6.3 mm
Connector size	13 mm		
Dimensions	560 x 730 x 1 080 mm		
Weight	83 kg	107 kg	123 kg
Protection index	IP 21		
Insulation class	H		
Standards	EN 60974-1 / EN 60974-10		

To order:

Power source	W000381567	W000381568	W000381569
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Add ons:

MMA kit ⁽¹⁾	W000011139	W000260681	W000260682
M 200 TIG add on ⁽²⁾	W000305050		

(1) Electrode holder and earth clamp with welding cables

(2) TIG welding with HF

ARC EQUIPMENT MMA

RECTIFIERS FOR MMA DC WELDING (thyristor technology)

CITOROD 4000 XT / 6500 XT

Reliable and of robust design, these machines provide excellent and consistent service in demanding on-site and workshop conditions. CITOROD XT provides both MMA and Gouging electrode capability and MIG and TIG process options using addition add-on equipment.

FEATURES & BENEFITS

- Designed for the most demanding welding applications in severe conditions
- Exceptional versatility
- Digital display of parameters
- Adjustable Hot Start and Arc Force build in devices
- CV electrical characteristics
- MMA - TIG - MIG - Gouging process
- High performance power capability
- Maintained performance with long length cables (*up to 50 m*). CITOROD XT sets will remain efficient for all applications

THYRISTOR



Cellulosic

WARRANTY
2+
YEARS
1 YEAR FREE
WITH YOUR
REGISTRATION



THREE-PHASE



	CITOROD 4000 XT	CITOROD 6500 XT
Power supply	230 V / 400 V three-phase (+/- 15%)	
Primary effective consumption	40.6 A / 23.5 A	61.5 A / 35.4 A
Primary consumption at I max	69 A / 39.9 A	102.2 A / 59.4 A
No-load voltage	68 V / 75 V	68 V / 75 V
Welding intensity	10 A (42 A*) - 400 A	10 A (52 A*) - 630 A
Duty cycle	35%	400 A
(10 min. cycle @ 40 °C)	60%	300 A
	100%	230 A
Electrode diameter	1.6 - 6.3 mm	1.6 - 6.3 mm
Connector size	13 mm	13 mm
Digital display of parameters	Yes	Yes
Dimensions	1000 x 600 x 600 mm	1000 x 600 x 600 mm
Weight	128 kg	176 kg
Protection index	IP 23	
Insulation	H	
Standards	EN 60974-1 / EN 60974-10	

* Minimum current with cellulosic electrode.

To order:

Power source	W000277995	W000277994
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Add ons:

MMA kit ⁽¹⁾ 50C50	W000260682 (400 A @ 35% maxi)	
MMA remote control 10 m	W000219557	
Additional length for remote control - 15 m	W000305056	
VRD card (reduction of no load voltage)	W000373273	W000275160
M200 TIG add on ⁽²⁾	W000305050	
DV YARD autonomous wire feeder	W000382134	
	W000382135 (with build in flowmeter)	
Kit roues + brancard	W000278006	

(1) Electrode holder and earth clamp with welding cables (2) TIG welding with HF striking

Option

DV YARD autonomous wire feeder

W000382134

W000382135
(with integrated
gas flowmeter)



CITOTIG 1600 HPF

FEATURES & BENEFITS

- A simple welding cycle
- TIG DC or MMA mode
- HF and TIG Lift
- Pre and Post gas adjustment
- 2T / 4T mode
- 160 A at 35%



	CITOTIG 1600 HPF
Single phase input voltage	230 V (+/- 20% - 50/60 Hz)
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 (L x l x h)	205 x 345 x 460 mm
Standards	EN 60974.1 / EN 60974.10 / EN 61000-3-2/12
Power source alone	W000273517

This equipment is designed for industrial and professional use only

CITOTIG 1800 FORCE / 2200 FORCE

FEATURES & BENEFITS

- A complete welding cycle is straightforward to set: initial, final current, up-slope, downslope, spot time, pre-gas, post-gas, reduced current (4T), pulsed frequency regulation
- High performance for MMA: up to 180 A at 40% at 40 °C
- Program storage capability (30)
- Digital display



	CITOTIG 1800 FORCE	CITOTIG 2200 FORCE
Single phase input voltage	230 V (+/- 20% - 50/60 Hz)	
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 (L x l x h)	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	
Power source alone	W000382579	W000382580
Universal trolley	W000375730	
Cooling unit FREEZTIG	W000382728	
Cooling liquid FREEZCOOL 9.6 l	W000010167	



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



This equipment is designed for industrial and professional use only

ARC EQUIPMENT TIG DC

DC RECTIFIERS CITOTIG DC

CITOTIG II 200 DC / 300 DC (W) / 400 DC (W)

CITOTIG II DC with inverter technology are your welding partners in workshops or on-site applications. Powerful, rugged and easy to use installations. HF striking and excellent stability. High quality MMA welding performance with rutile, basic and cellulosic electrodes

FEATURES & BENEFITS

- Single phase input voltage (CITOTIG II 200)
- Three phase input voltage (CITOTIG II 300 / 400)
- Numerical control of the welding current
- Process: TIG DC, Pulsed TIG*, synergic pulsed TIG* and MMA (rutile, basic and cellulosic electrodes)
- Mode: 2T/4T, 4T with level or spot
- Striking: HF or TIG LIFT
- Complete welding cycle
- Digital display
- Remote control (manual or foot operated)
- Storage of 9 programs

* On the ADVANCED versions.

	CITOTIG II 200 DC	CITOTIG II 300 DC (W)	CITOTIG II 400 DC (W)
Primary power supply,	230 V single-phase (+/-10%)	400 V three-phase (+20% / -15%)	
Absorbing power at maxi. intensity	6.5 kVA	8.4 kVA	13.8 kVA
Open circuit voltage	80 V	80 V	80 V
Duty cycle	35%	200 A	300 A
(at 40 °C)	60%	150 A	230 A
	100%	130 A	200 A
Welding current	5 - 200 A	5 - 300 A	5 - 400 A
Electrode diameter max.	4.0 mm	5.0 mm	6.0 mm
Dimensions	410 x 180 x 390 mm	500 x 180 x 390 mm	
(l x w x h)	Power source	500 x 180 x 650 mm	
	Power source + Cooling unit		
Weight	15 kg	22 kg	23 kg
	Power source	33 kg	34 kg
	Power source + Cooling unit		
Standards	EN 60974-1 ; EN 60974-10		

To order:

Power source ADVANCED version	W000279732	W000279733	W000279734
Power source version EASY	-	W000379982	-
Cooling unit COOLERTIG II DC	-	W000279722	
Trolley T3	W000277087		
Manual	5 m	W000263311 (RC1)	
remote control	10 m	W000270324 (RC1)	
Foot-operated remote control	W0000263313 (FP1)		
Cooling liquid FREEZCOOL 9.6 l	W000010167		



WARRANTY
2+
YEARS
1
YEAR FREE
WITH YOUR
REGISTRATION

This equipment are designed for industrial and professional use only and does not comply with EN 61000-3-2/12. If it is connected to a public low voltage system, it is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment may be connected. (See also the instruction manual)

ARC EQUIPMENT TIG AC/DC



CITIG 1500 AC/DC

CITIG 1500 AC/DC machines are designed for the welding specialists. It is the ideal machine to meet the requirements of maintenance applications

FEATURES & BENEFITS

- User-friendly front panel
- AC/DC welding currents
- MMA or 2T-4T TIG and spot mode
- Selection: pulsed TIG DC, AC with variable frequencies and adjustment of the balance cleaning
- Cleaning/penetration
- Robustness



CITIG 1500 AC/DC	
Power supply	230 V single phase
Effective input current	13 A
Open circuit voltage	82 V
Welding current	5 - 150 A
Duty cycle at 40 °C	150 A @ 30%
Electrode diameter max	3.2 mm
Weight net	21 kg
Cat. nr	W000260970

This equipment are designed for industrial and professional use only and does not comply with EN 61000-3-2/12. If it is connected to a public low voltage system, it is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment may be connected. (See also the instruction manual)

CITOTIG 240 AC/DC (W) / 310 AC/DC (W)

CITOTIG 240 AC/DC (W) / 310 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

	CITOTIG 240 AC/DC (W)	CITOTIG 310 AC/DC (W)
Power supply 50/60 Hz	230 V single-phase (+/- 15%)	400 V three-phase (+/- 10%)
Absorbing power at maxi. intensity	6,0 kVA	6,0 kVA
Open circuit voltage	58 V DC	
Duty cycle (at 40 °C)	230 A (at 40%)	300 A
	60% 200 A	230 A
	100% 170 A	200 A
Welding current	3 to 230 A	5 to 300 A
Dimensions (L x l x h)	475 x 200 x 405 mm	505 x 195 x 440 mm
Weight	17 kg (25 kg)	25 kg (33 kg)
Protection index / class	IP 23 C / H	
Standard	EN 60974-1 / EN 60974-10	

To order:

Power source ADVANCED version	W000275842	W000278470
Power source EASY version	W000381667	W000381669
Cooling unit	W000275844	W000278471
Trolley T3	W000277087	
Cooling liquid FREEZCOOL 9.6 l	W000010167	
Manual remote control 5 m	W000263311 (RC1)	
Manual remote control 10 m	W000270324 RC1)	
Foot-operated remote control	W0000263313 (FP1)	

FEATURES & BENEFITS

- Up to 230 A at 40% available on a single phase machine for 240 model
- Up to 300 A at 40% (three phase) for 310 model
- Easy to move: only 17 kg (240 model) - 25 kg for the 310 model
- 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 Programme memory *

* On ADVANCED version.

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



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

This equipment are designed for industrial and professional use only and does not comply with EN 61000-3-2/12. If it is connected to a public low voltage system, it is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment may be connected. (See also the instruction manual)

This equipment are designed for industrial and professional use only

ARC EQUIPMENT TIG TORCHES

PROTIG III range Round handle with blade trigger (RL)

These classic round handled TIG torches have been designed to meet all welding expectations in all positions. The trigger module is fully adjustable and can be moved to any position around the handle.

Connectors

The connectors to the machine are a new design, compact and fully protected delivering both strength and quality. All hoses are rubber with a neopren sheath for heavy duty work.



Air cooled
C5B/Simple
(C5B/S)



Water cooled
C5B/simple
(C5B/S)



Air cooled



		PROTIG III 10	PROTIG III 20	PROTIG III 30	PROTIG III 40
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

To order:

Length	5 m	8 m	5 m	8 m	5 m	8 m	5 m	8 m
Catalogue number	W000382715	W000382716	W000382717	W000382718	W000382719	W000382720	W000382721	W000382722

Water cooled



		PROTIG III 10 W	PROTIG III 35 W	PROTIG III 40 W
Duty cycle 100%		250 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

To order:

Length	5 m	8 m	5 m	8 m	5 m
Catalogue number	W000382723	W000382724	W000382725	W000382726	W000382727

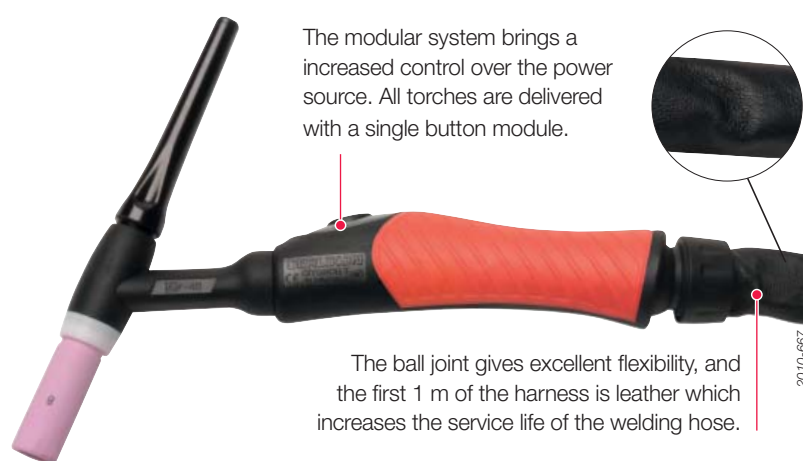
ARC EQUIPMENT TIG TORCHES



CITORCH T NG range Ergonomic handle with button (EB)

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

These torches will give you an optimum welding quality, and increase the communication between the welder and the machine.



Connectors

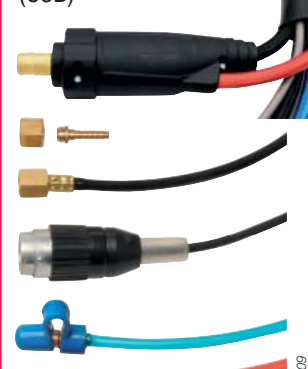
The connectors to the machine are a new design, compact and fully protected delivering both strength and quality.

All hoses are rubber with a woven sheath for heavy duty work.

Air cooled (C5B)



Water cooled (C5B)



Air cooled

		 2010-664	 2010-665	 2010-666	 2010-667
		CITORCH T NG 10	CITORCH T NG 20	CITORCH T NG 30	CITORCH T NG 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

To order:

Length	5 m	8 m	5 m	8 m	5 m	8 m	5 m	8 m
Catalogue number	W000278380	W000278381	W000278382	W000278383	W000278384	W000278385	W000278386	W000278387

Water cooled

		 2010-668	 2010-669	 2010-670
		CITORCH T NG 10 W	CITORCH T NG 35 W	CITORCH T NG 40 W
Duty cycle 100%		250 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

To order:

Length	5 m	8 m	5 m	8 m	5 m	8 m
Catalogue number	W000278388	W000278389	W000278390	W000278391	W000278392	W000278393

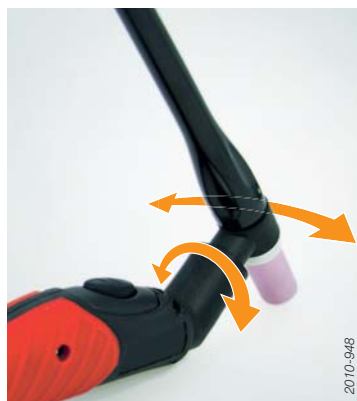
ARC EQUIPMENT TIG TORCHES

Adjustable heads

As an option, adjustable torch bodies are available, designed to make welding in limited access locations easier with a choice of 2 heads, small and large which are mounted on air cooled or water cooled bodies.

Choose one body and one head to get a complete torch.

Designation	Cat. number
Air cooled body (10/20)	W000279381
Water cooled body (10W)	W000279382
Head CITORCH T NG 10 / PROTIG III 10	W000279383
Head CITORCH T NG 20 / PROTIG III 20	W000279384



Modular system of CITORCH T NG

Standard delivery for EB all torches is a single button module. Other control module formats are available to order.



	Cat. number
1 Horizontal potmeter	W000279370
2 Vertical potmeter	W000279246
3 Double button	W000279242
4 Blade	W000279245

Refer to the instruction manual to see the different connections for the modules.
For potmeter adapt the wiring to the welding machine.

Wear parts box

A complete kit for all applications.

The kit includes electrode collets, nozzles, back caps and collet body.

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



Extension

For PROTIG III, CITORCH NG and WTT2 torches, the extension harnesses are 15 m long and fitted with quick connectors and either S (banana) or 5 pins type trigger plugs.

The connectors are protected by a leather cover with velcro fasteners.

Designation	Cat. number
Air cooled version	W000306135
Water cooled version	W000306136



ARC EQUIPMENT TIG TORCHES



TIG WTT2 Torches

TIG WTT2 Torches range is dedicated to needs of most demanding users.

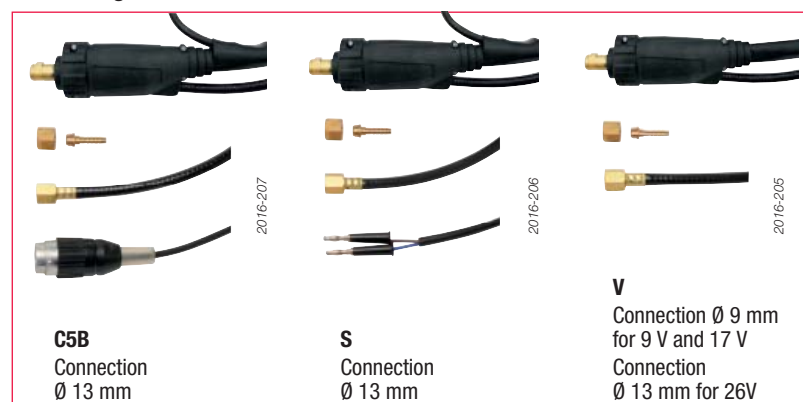
Reliability is one of the major features of these products. Harness flexibility is the most appreciated advantages of these torches. The various connections and handles fit with the current applications.

Handle

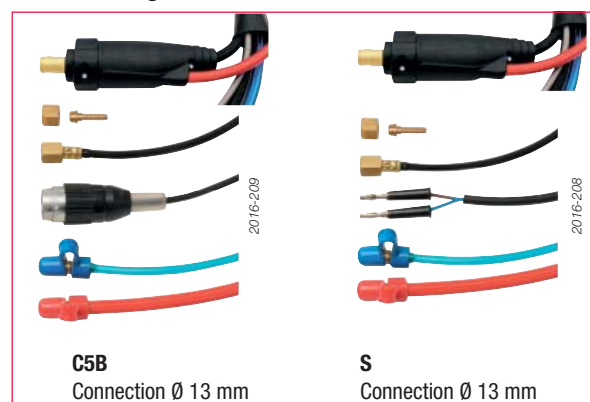


Connections

Air cooling



Water cooling



Air cooling			WTT2 9		WTT2 17		WTT2 26		
Duty cycle at		60%	80 A		100 A		130 A		
		35%	110 A		135 A		180 A		
Fitted with		Cap	Medium						
		Nozzle	Ø 10 mm				Ø 12 mm		
		Electrode	Ø 1.6 mm		Ø 2.0 mm		Ø 2.4 mm		
Length			4 m	8 m	4 m	8 m	4 m	8 m	
Handle	RL	Connection	S	W000278878	W000278923	W000278883	W000278918	W000278888	W000278914
			C5B	W000278879	W000278922	W000278884	W000278917	W000278890	W000278913
	EB		S	W000278877	W000278929	W000278881	W000278920	W000278886	W000278916
			C5B	W000278875	W000278926	W000278882	W000278919	W000278887	W000278915
	V		V	W000278876	-	W000278880	-	W000278885	-
	EB-FLEX		S	W000382781	-	W000382782	W000382783	W000382784	W000382785

Water cooling			WTT2 20 W		WTT2 18 W			
Duty cycle at		100%	200 A		320 A			
		60%	250 A		350 A			
Fitted with		Cap	Medium					
		Nozzle	Ø 12 mm					
		Electrode	Ø 2.4 mm					
Length			4 m	8 m	4 m	8 m		
Handle	RL	Connection	S	W000278893	W000278906	W000278897	W000278900	
			C5B	W000278894	W000278905	W000278898	W000278899	
	EB		S	W000278891	W000278911	W000278895	W000278902	
			C5B	W000278892	W000278909	W000278896	W000278901	
	EB-FLEX		S	W000382786	W000382787	W000382788	W000382789	

ARC EQUIPMENT TIG TORCHES

Maintenance kits for WTT2 torches

For easier maintenance of your WTT2 torches.
Comprising most used wear parts.

KIT WTT2 9/9V/20W

Designation	Cat. nr
Kit WTT2 9/9V/20W	W000371535
Kit WTT2 17/26/18W	W000371536



KIT WTT2 17/26/18W

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

150 mm long (except for WS 20 175 mm)

Ø mm	WP Pure Tungsten AC current	WC 20 2% Cerium DC current	WL 20 2% Lanthane AC and DC current	WS 20 2% Rare earths AC and DC current
1.0	W000010 009	W000010022	W000010373	W000335166
1.6	W000010 010	W000010023	W000010016	W000335167
2.0	W000010 011	W000010024	W000010017	W000335168
2.4	W000010 012	W000010025	W000010018	W000335169
2.5	W000010 013	W000010026	W000010019	W000335170
3.2	W000010 014	W000335150	W000010020	W000335171
4.0	W000010 015	W000010028	W000010021	W000335172



Since september 2014
Air Liquide Welding stopped
to propose Tungsten
electrodes with Thorium.
Use now Lanthanum
electrodes.

Universal on site case

- Totally unbreakable
- Totally imputrescible
- That does not deteriorate
- Indeformable
- Insubmersible

Designation	On site case
Weight	5.4 kg
Dimensions	620 x 520 x 220 mm
Cat. nr	W000371907



Universal trolley

- Total security handling (rugged belt for safety)
- Large diameter wheels (250 mm)
for easy moving of the trolley
- Suitable for
 - MMA equipment
 - TIG installation even with cooling unit
and gas cylinder
 - Plasma cutting equipment

Designation	Universal trolley
Weight	19.0 kg
Dimensions	1 210 x 648 x 430 mm
Cat. nr	W000375730



	Product	Universal trolley	Universal on site case
MMA	MINIARC 3.2	✓	N/A
	CITOARC 1600 / 1750	✓	✓
	CITOARC 1450 / 1650 / 1850 FORCE	✓	✓
	CITOARC 1900 C FORCE	✓	✓
	CITOARC 3000 MV	✓	✗
Plasma cutting	CITOCUT 10KT	✓	✗
	CITOCUT 10i	✓	✓
	CITOCUT 20i	✓	✗
MIG/MAG	CITOMIG 200 MP / 200 MP HPF	✓	✗

	Product	Universal trolley	Universal on site case
TIG	CITOTIG 1600 HPF	✓	✓
	CITOTIG 1800 FORCE	✓	✓
	CITOTIG 2200 FORCE	✓	✓
	CITOTIG II 200 DC	✓	✗
	CITOTIG II 300 DC (W)	✓	✗
	CITOTIG II 400 DC (W)	✓	✗
	CITIG 1500 AC/DC	✓	✗
	CITOTIG 240 AC/DC (W)	✓	✗
	CITOTIG 310 AC/DC (W)	✓	✗

PROFESSIONAL MIG/MAG COMPACT MACHINE (enclosed wire-feeder)

CITOMIG 200MP / 200MP HPF

FEATURES & BENEFITS

- Multi process: MIG-MAG / MMA / TIG
- Inverter technology
- Polarity reversal to allow self shielding flux cored wire welding
- On site concept
- Specialised in thin sheet
- Large LCD graphic display
- 2T/4T and spot modes
- 2 roll wire feed
- 12 synergies - 40 programs recordable
- Wire spool diameter 200 mm (in option 300 mm)



MOTOR GENERATOR
COMPATIBLE



TIG LIFT +



SINGLE-PHASE

WARRANTY

1 + **1 YEAR FREE**
YEARS WITH YOUR
REGISTRATION

PFC

POWER FACTOR
CONTROL

Only for the 200MP HPF version



SAVE ENERGY

NEW

*1 machine, 3 processes,
use it everywhere !*



CITOLINE 2000M

FEATURES & BENEFITS

- User-friendly front panel
- 2T/4T and spot modes
- 4 roll wire feed
- Reverse polarity
- 8 voltage steps
- 1 self position
- Burn back time

WARRANTY

1 + **1 YEAR FREE**
YEARS WITH YOUR
REGISTRATION



SINGLE-PHASE

	CITOMIG 200MP	CITOMIG 200MP HPF	CITOLINE 2000M
Power supply	230 V single phase \pm 10% - 50 Hz		
Primary effective consumption	8.6 kVA	6.2 kVA	14.3 A
Primary consumption at I max.	25 A	15 A	32 A
No-load voltage	35 V in MIG - 65 V in MMA & TIG	35 V in MIG - 50 V in MMA & TIG	18-35 V
Welding current	30-200 A	30-200 A	35-180 A
Duty cycle at 40°C	100%	105 A	85 A
	60%	130 A	110 A
	20%	200 A	180 A
Wire diameter	0.6 - 1.0 mm (1.2 mm in aluminium)	0.6 - 1.0 mm (1.2 mm in aluminium)	0.6 - 1.0 mm
Protection / Insulation class	IP 22S	IP 22S	IP 23 / H
Dimensions	514 x 220 x 394 mm	514 x 220 x 394 mm	500 x 870 x 950 mm
Weight	15 kg	15 kg	52 kg
Standard	EN 60974-1 - EN 60974-5 - EN 60974-10	EN 60974-1 - EN 60974-5 - EN 60974-10	EN 60974-1 - EN 60974-10
Cat. nr	W000377723	W000383406	W000261963
Recommended torches	CITORCH M 181T or WMT2 15A	CITORCH M 181T or WMT2 15A	WMT2 15A or WMT2 25A

ARC EQUIPMENT MIG/MAG



CITOLINE 2000T / 2500T

FEATURES & BENEFITS

- User-friendly front panel
- 2T/4T and spot modes
- 4 roll wire feed
- Reverse polarity (gasless)
- 7 voltage steps (2000T)
10 voltage steps (2500T)
- 2 inductance settings

WARRANTY

1+
YEARS
1 YEAR FREE
WITH YOUR
REGISTRATION



THREE-PHASE

CITOLINE 3000T / 3500T

FEATURES & BENEFITS

- User-friendly front panel
- 2T/4T and spot modes
- 4 roll wire feed
- Reverse polarity (gasless)
- 2 x 7 voltage steps (3000T)
3 x 7 voltage steps (3500T)
- 2 inductance positions (3000T)
3 inductance positions (3500T)
- Digital display included

WARRANTY

1+
YEARS
1 YEAR FREE
WITH YOUR
REGISTRATION



THREE-PHASE



	CITOLINE 2000T	CITOLINE 2500T	CITOLINE 3000T	CITOLINE 3500T
Power supply	230 V / 400 V three phase \pm 10% - 50 Hz			
Primary effective consumption	10.4 A / 6 A	14.8 A / 8.5 A	19.5 A / 11.3 A	25 A / 14.2 A
Primary consumption at I max.	19 A / 11 A	27 A / 15.6 A	33 A / 19 A	41 A / 24 A
No-load voltage	18-35 V	18-40 V	18-45 V	18-45 V
Welding current	27-200 A	35-250 A	35-300 A	35-350 A
Duty cycle at 40°C	100% 60% 25%	110 A 140 A 200 A (30%)	110 A 170 A 250 A	180 A 230 A 300 A
Wire diameter	0.6 - 1.0 mm	0.8 - 1.0 - (1.2) mm	0.8 - 1.2 mm	0.8 - 1.2 mm
Protection / Insulation class	IP 23 / H			
Dimensions	500 x 870 x 950 mm		620 x 940 1000 mm	
Weight	71 kg	77 kg	96 kg	100 kg
Standard	EN 60974-1 - EN 60974-10			
Cat. nr	W000261966	W000261967	W000261970	W000261971
Recommended torches	WMT2 25A	WMT2 25A	WMT2 25A or 36A	WMT2 36A

PROFESSIONAL MIG/MAG SEPARATE MACHINES (external wire-feeder)

CITOLINE 3500 TS

FEATURES & BENEFITS

- Power source with self protected safety switches
- Separate wire feeder with digital display
- 1 accessory kit for solid wires 1.0-1.2 mm
- User-friendly front panel
- 2T/4T and spot modes
- 4 roll wire feed
- 3 x 7 voltage steps
- 3 inductance settings

WARRANTY
1+1
YEARS
1 YEAR FREE
WITH YOUR
REGISTRATION



CITOLINE 4500 TS - CITOLINE 4500 TS W

FEATURES & BENEFITS

- Power source with self protected safety switches
- Separate wire feeder with digital display
- 1 accessory kit for solid wires 1.0-1.2 mm
- User-friendly front panel
- 2T/4T and spot modes
- 4 roll wire feed
- 3 x 7 voltage steps
- 3 inductance settings

WARRANTY
1+1
YEARS
1 YEAR FREE
WITH YOUR
REGISTRATION



		CITOLINE 3500 TS	CITOLINE 4500 TS	CITOLINE 4500 TS W
Power supply		230 V / 400 V three phase ± 10% - 50 Hz		
Primary effective consumption		25 A / 14.2 A	35.5 A / 20.5 A	
Primary consumption at I max.		41 A / 24 A	60 A / 34.5 A	
No-load voltage		18-45 V	19 - 54 V	
Welding current		35-350 A	51-450 A	
Duty cycle at 40°C	100%	210 A	270 A	
	60%	270 A	345 A	
	35%	350 A	450 A	
Wire diameter		0.8 - 1.2 mm	0.8 - 1.2 - (1.6) mm	
Protection / Insulation class		IP 23 / H		
Dimensions		890 x 610 x 1 030 mm	890 x 610 x 1 030 mm	
Weight		125 kg	135 kg	135 kg
Standard		EN 60974-1 - EN 60974-10		
Cat. nr power source		W000261974	W000261975	
Cat. nr DV 4004 CTL wire feeder air	5 m	W000262182	W000262182	-
	10 m	W000262183	W000262183	-
Cat. nr DV 4004 CTLW wire feeder water	10 m	-	-	W000262184
		-	-	W000273686
Cooler unit FC		-	-	W000273686
Recommended torch		WMT2 36A	WMT2 36A	WMT2 401W or 500W

ARC EQUIPMENT MIG/MAG

INDUSTRIAL MIG/MAG INSTALLATIONS

CITOMIG 300 XP (enclosed wire-feeder)

CITOMIG 400 XP (enclosed wire-feeder)

CITOMIG 400 XP S and SW (external wire-feeder)

CITOMIG 500 XP SW (external wire-feeder)

FEATURES & BENEFITS

- User-friendly front panel
- Pre-gas, post-gas and burn-back times adjustment
- ESP mode to adjust easily the welding parameters
- Digital display
- 2T/4T, spot and intermittent modes
- 4 roll wire feed
- Reverse polarity (gasless)
- 12 voltage steps, for 300XP model
- 3 x 10 voltage steps for 400XP & 500XP
- 2 inductance settings
- Fan on demand
- Digital wire speed regulation
- Saturable inductance
- Spatter reduction system



WARRANTY

2+
YEARS

1 YEAR FREE
WITH YOUR
REGISTRATION



	CITOMIG 300XP	CITOMIG 400XP	CITOMIG 400XP W	CITOMIG 400XP S	CITOMIG 400XP SW	CITOMIG 500XP SW
Power supply	230 V / 400 V three phase $\pm 10\%$ - 50/60 Hz					
Primary effective consumption	20.5 A / 12 A			47 A / 27 A		44.9 A / 25.9 A
Primary consumption at I max.	27.7 A / 16 A			60 A / 34.5 A		63 A / 36 A
No-load voltage	16.5 - 35.8 V			16.6 - 45.8 V		15.8 - 50.4 V
Welding current	30-280 A			28-380 A		16-480 A
Duty cycle at 40°C	100%	200 A		280 A		350 A
	60%	240 A		320 A		410 A
	45%	270 A		380 A (@ 40%)		480 A (@ 50%)
Wire diameter	0.8 - 1.2 mm			0.8 - 1.6 mm		0.8 - 1.6 mm
Protection / Insulation class	IP 23 / H					
Dimensions	390 x 780 x 825 mm			925 x 580 x 1060 mm		
Weight	101 kg			161 kg		201 kg
Standard	EN 60974-1 - EN 60974-10					
Cat. nr power source	W000260959	W000260961	W000260962	W000260964	W000260963	W000260966
Cat. nr DV 4004 XP wire feeder air	5 m	-	-	W000260999	-	-
	10 m	-	-	W000261000	-	-
Cat. nr DV 4004 XPW wire feeder water	5 m	-	-	-	W000261001	W000261001
	10 m	-	-	-	W000261002	W000261002
Recommended torch	CITORCH M 241			CITORCH M 341 or CITORCH M 441	CITORCH M 341W or CITORCH M 441W	CITORCH M 441W

ARC EQUIPMENT MIG/MAG



INNOVATIVE AND POWERFUL MIG/MAG MACHINE WITH INTEGRATED WIRE FEEDER

CITOPULS III 320 C / CITOSTEEL III 320 C

Modest in size, but with everything a big machine could dream of.

FEATURES & BENEFITS

■ Low Consumption

Welding current 320 A @ 40% with an electrical primary consumption reduced at the minimum - 16 A three-phase plug.

About 30% of saving on the annual electrical invoice, compared to the use of a classical MIG/MAG machine.

■ Reduced Weight

Body engineered in aluminium for lower weight and easy transportability.

■ Main applications

All main to weld base materials with wires up to 1.2 mm:

- metallic construction
(on site and in workshop),
- workshop & yard maintenance,
- light production.

■ Technological Advance:

- 99 programs,
- Call programs with trigger,
- Welding cycle sequencer.

■ An universal machine with excellent welding performances:

- Coated electrodes,
- Speed Short Arc,
- Flat current,
- Pulsed Arc (only CITOPULS III 320C).



**EACH MACHINE
TESTED INDIVIDUALLY**

* Eco Friendly Welding and Cutting.

This label is awarded by Air Liquide Welding to products that contribute to a sustainable development and/or to ensure better working conditions for welders.

ARC EQUIPMENT MIG/MAG

Power source	CITOPULS III 320C CITOSTEEL III 320C
Main power supply (three-phase)	400 V (+20% / -20%) - 50/60 Hz
Effective primary consumption	11 A
Fuse anti surge	16 A
Efficiency at max current	90%
Power factor at max current	0.95
Duty cycle (@ 40 °C)	
@ 40%	320 A
@ 60%	280 A
@ 100%	220 A
Duty cycle (@ 25 °C)	
@ 100%	300 A
Welding intensity	15 A - 320 A
Dimensions (LxWxH)	720 x 295 x 525 mm
Weight	29 kg
Standards	EN 60974-1 & EN 60974-10

Build in wire feeder	CITOPULS III 320C CITOSTEEL III 320C
Rollers	4
Wire speed	1 - 25 m/min
Wire diameter (Carbon steel - Stainless steel)	0.6 - 1.2 mm
Wire diameter (FCW - Aluminium)	1.0 - 1.2 mm

To order: Power source



320 A @ 40 %	CITOPULS III 320C	W000385051
320 A @ 40 %	CITOSTEEL III 320C	W000385052

Aluminium welding kit

ALUKIT DVU 1.0-1.2
W000277622

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

Anti-dust filter

for power source protection

Dust filter
W000373703



Remote control

RC SIMPLE (10 m)
W000275904



Cooling unit



COOLER II
On demand

Trolley

Trolley for installation



Universal trolley
W000375730

TROLLEY II
W000383000

ARC EQUIPMENT MIG/MAG



INDUSTRIAL HIGH TECH MIG/MAG INSTALLATIONS (Inverter technology) -
EASY TO USE FRONT PANEL

CITOSTEEL 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



MOTOR GENERATOR
COMPATIBLE



	CITOSTEEL III 420	CITOSTEEL III 520
Primary power supply – 3 Phases - 50/60 Hz	400 V (+ 20% / - 20%)	
Maximum primary consumption (100%)	26 A	33.9 A
Temporised fuses	25 A	32 A
Open circuit voltage	73 V	
Welding range	15 - 420 A	15 - 500 A
Duty cycle (10 min cycle at 40 °C)	420 A (@40%) 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	

Cooling Unit

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

* Eco Friendly Welding and Cutting.

This label is awarded by Air Liquide Welding to products that contribute to a sustainable development and/or to ensure better working conditions for welders.



HPS

HPS™ (High Penetration Speed)
(Higher productivity with lower distortion of base material and less welding passes)

Wire feeder

	DMU P400	DMU 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	

ARC EQUIPMENT MIG/MAG

INDUSTRIAL HIGH TECH MIG/MAG INSTALLATIONS (Inverter technology) - EASY TO USE FRONT PANEL

CITOPULS III is the very latest innovative MIG/MAG advanced welding machines offering the welding market superior quality welding. CITOPULS 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.



CITOPULS III 420 / 520

FEATURES & BENEFITS

- A modular concept to meet all user requirements
- User friendly control panels
- Small machine for easier access
- Light installation (37 kg for the power source)
- Generator compatible
- Full range of processes: Standard MIG/MAG / Pulse / Speed Short Arc / HPS MIG brazing / MMA coated electrodes
- Harnesses (up to 50 m)
- In synergic mode, more than 100 synergies available
- Storage of 100 welding programmes
- Parameter locking with a digit code the parameters will be limited from 0 to +/- 20% range
- Full A1 automatic interface included



	CITOPULS III 420	CITOPULS III 520
Power supply – 3 Phases - 50/60 Hz	400 V (+ 20% / - 20%)	
Primary consumption at I max.	26 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 @60%	420 A	500 A
at 40°C @100%	350 A	450 A
Protection	IP 23S	
Standard	EN 60974-1 – EN 60974-10	
Dimensions	720 x 295 x 525 mm	
Weight	34 kg	40 kg

Wire feeder

	DMU P400	DMU 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	



HPS

HPS™ (High Penetration Speed)
(Higher productivity with lower distortion of base material and less welding passes)

Cooling Unit

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

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ARC EQUIPMENT MIG/MAG



INDUSTRIAL HIGH TECH MIG/MAG INSTALLATIONS (Inverter technology)

CITOWAVE 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, SSP, SM, CDP, MIG brazing, MMA, PR Spray 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, printing, 99 programs, calibration
- More cycles: 2T/ 4T/ Spot weld/Cold Double Pulse current (CDP)
- More options: wide range for improved welding operations and applications

NEW

HPS

HPST™ (High Penetration Speed)
(Higher productivity with lower distortion of base material and less welding passes)



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



WARRANTY
2+
YEARS

1 YEAR FREE
WITH YOUR
REGISTRATION



Wire feeder

	DMU W500
Weight	16 kg
Dimensions (l x b x h)	603 x 262 x 446 mm
Motor rollers	4
Wire diameter range	0.6 to 1.6 mm
Wire speed range	0-25 m/min
Spool diameter	300 mm

Cooling Unit

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

	CITOWAVE III 420	CITOWAVE III 520
Power supply – 3 Phases - 50/60 Hz	400 V (+20%/-20%)	
Primary consumption at I max.	18.5 A	28 A
Welding current	15 - 420 A	15 - 500 A
Duty cycle at 40 °C	420 A @ 60% 350 A @ 100%	500 A @ 60% 450 A @ 100%
Dimensions (L x l x h)	738 x 273 x 521 mm	
Weight	34 kg	40 kg
Protection index	IP 23	
Standards	EN 60974-1 / EN 60 974-10	

* Eco Friendly Welding and Cutting.

This label is awarded by Air Liquide Welding to products that contribute to a sustainable development and/or to ensure better working conditions for welders.

ARC EQUIPMENT MIG/MAG

The modular concept of CITOPULS III / CITOSTEEL III and CITOWAVE III allows you to build the perfect configuration for your requirement.

Power sources



420 A @ 40 %	CITOSTEEL III 420	W000383618
500 A @ 60 %	CITOSTEEL III 520	W000383619



420 A @ 60 %	CITOPULS III 420	W000383663
500 A @ 60 %	CITOPULS III 520	W000383664



420 A @ 60 %	CITOWAVE III 420	W000384991
500 A @ 60 %	CITOWAVE III 520	W000384992

Wire feeders



DMU P400 Standard	DMU P500 Expert	DMU W500 For WAVE III
W000275266	W000275267	W000371926

100 programs - Blocking of welding parameters
Digital display

Trolley for installation



TROLLEY II
W000383000

Trolley on site



TROLLEY ON SITE
W000372274

Cooling unit

COOLER III	W000273516
Safety device for COOLER III	W000376539



Support

for wire feeder
in vertical suspension

W000377985

Harnesses

Length	Air	Water	
		Standard	Aluminium
2 m	W000275894	W000275898	W000371044
5 m	W000275895	W000275899	W000371045
10 m	W000275896	W000275900	W000371175
15 m	W000275897	W000275901	W000371174
25 m	W000276901	W000276902	W000371239
30 m	W000371246	-	-
40 m	W000371245	-	-
50 m	W000371244	-	-

Remote control



RC JOB II (10 m)
W000273134



RC SIMPLE (10 m)
W000275904

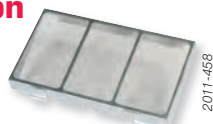
Flowmeter to measure gas flowrate

W000275905



Anti-dust filter for power source protection

New model
W000373703



Trolley for wire feeder



TROLLEY WF II
W000275908

Push-pull Puls III electronic circuit

Allowing to connect a push-pull torch or gun.



W000386223

Aluminium welding kit

ALUKIT DVU 1.0 -1.2	W000277622
ALUKIT DVU 1.2-1.6	W000277623

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

ARC EQUIPMENT MIG/MAG TORCHES



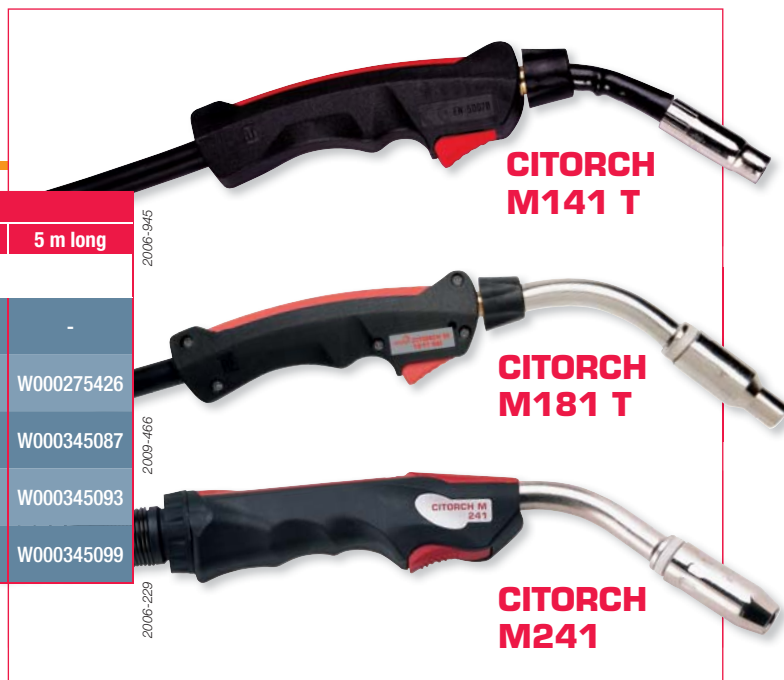
CITORCH M

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)

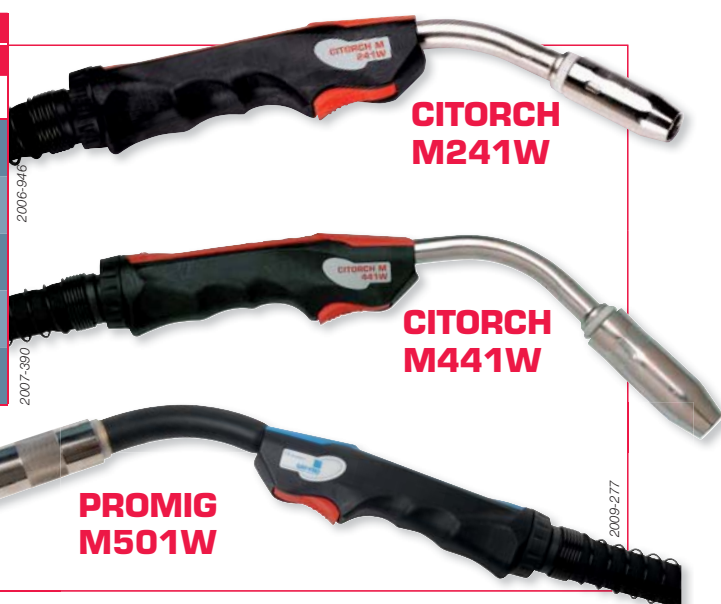
CITORCH M

Designation	Duty cycle at 60%	Wire diameter	Cat. nr		
			3 m long	4 m long	5 m long
Air cooled standard torches					
CITORCH M141 T (turnable neck)	160 A (CO ₂) 150 A (Ar+CO ₂)	0.6 - 0.8 mm (1.0 mm)	W000275422	W000275423	-
CITORCH M181 T (turnable neck)	200 A (CO ₂) 180 A (Ar+CO ₂)	0.6 - 1.0 mm	W000275424	W000275425	W000275426
CITORCH M241	270 A (CO ₂) 250 A (Ar+CO ₂)	0.8 - 1.0 mm (1.2 mm)	W000345085	W000345086	W000345087
CITORCH M341	350 A (CO ₂) 320 A (Ar+CO ₂)	1.0 - 1.2 mm (1.6 mm)	W000345091	W000345092	W000345093
CITORCH M441	420 A (CO ₂) 380 A (Ar+CO ₂)	1.0 - 1.6 mm	W000345097	W000345098	W000345099



CITORCH MW

Designation	Duty cycle at 100%	Wire diameter	Cat. nr		
			3 m long	4 m long	5 m long
Water cooled standard torches					
CITORCH M241W	270 A (CO ₂) 250 A (Ar+CO ₂)	0.8 - 1.0 mm (1.2 mm)	W000345088	W000345089	W000345090
CITORCH M341W	350 A (CO ₂) 320 A (Ar+CO ₂)	1.0 - 1.2 mm (1.6 mm)	W000345094	W000345095	W000345096
CITORCH M441W	420 A (CO ₂) 380 A (Ar+CO ₂)	1.0 - 1.6 mm	W000345100	W000345101	W000345102
CITORCH M450W	500 A (CO ₂) 450 A (Ar+CO ₂)	1.0 - 1.6 mm	W000274868	W000274869	W000274870
PROMIG M501W	550 A (CO ₂) 500 A (Ar+CO ₂)	1.2- 3.2 mm	-	W000274871	-



AZUR
INDUSTRIAL AIR TREATMENT

See also our WST2 range for fume extraction torches in page 63.

ARC EQUIPMENT MIG/MAG TORCHES

DIGITORCH P

(double potmeter for parameters' setting)

for CITOSTEEL and CITOPULS power sources

Designation	Duty cycle	Wire diameter	Cat. nr
			4 m long
Air cooled torches (duty cycle 60%)			
DIGITORCH P 341	350 A (CO ₂) 320 A (Ar+CO ₂)	1.0 - 1.2 mm (1.6 mm)	W000385014
Water cooled torches (duty cycle 100%)			
DIGITORCH P 341 W	350 A (CO ₂) 320 A (Ar+CO ₂)	1.0 - 1.2 mm (1.6 mm)	W000345016
DIGITORCH P 441 W	420 A (CO ₂) 380 A (Ar+CO ₂)	1.0 - 1.6 mm	W000345018

DIGITORCH P 341



DIGITORCH P 341 W

DIGITORCH II E

(double button for parameters' setting)

for CITOWAVE II / III power sources

Designation	Duty cycle	Wire diameter	Cat. nr
			4 m long
			CITOWAVE II / III
Air cooled torches (duty cycle 60%)			
DIGITORCH II E 341	350 A (CO ₂) 320 A (Ar+CO ₂)	1.0 - 1.2 mm (1.6 mm)	W000373831
Water cooled torches (duty cycle 100%)			
DIGITORCH II E 341W	350 A (CO ₂) 320 A (Ar+CO ₂)	1.0 - 1.2 mm (1.6 mm)	W000373832
DIGITORCH II E 441W	420 A (CO ₂) 380 A (Ar+CO ₂)	1.0 - 1.6 mm	W000373833
DIGITORCH II E 450W	500 A (CO ₂) 450 A (Ar+CO ₂)	1.0 - 1.6 mm	W000379190

DIGITORCH II E 341



DIGITORCH II E 341W

PUSH-PULL torches and guns

Designation	Duty cycle	Wire diameter (mm)	Cat. nr	
			8 m long	15 m long
Air cooled				
ALUTORCH NG 342	300 A @ 40% (Ar+CO ₂)	1.0 - 1.2	-	W000275992
PROMIG PP 341 (neck 45°)	350 A @ 60% (CO ₂)	1.0 - 1.6	W000385860	-
			W000385861*	
Water cooled				
DIGITORCH PP 451 W	450 A @ 60% (Ar+CO ₂)	1.0 - 1.6	W000267607 (neck 45°)	-
			W000271006 (neck 0°)	
PROMIG PP 441W (neck 45°)	420 A @ 60% (CO ₂)	1.0 - 1.6	W000385862	-
			W000385863*	
			W000385864**	

* With potentiometer - ** With remote control and digital display.

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



PROMIG PP 441W (NECK 45°)

PROMIG PP 341 (NECK 45°)



ALUTORCH NG 342



DIGITORCH PP 451W



See also our WST2
range for fume extraction
torches in page 63.

ARC EQUIPMENT MIG/MAG TORCHES



WMT2 torches

Product advantages:

- Wear parts compatible with the most common standard in Europe
- Easy pivoting handle
- Complete range

Air cooled standard torches

Designation	Duty cycle at 60%	Wire diameter	Cat. nr		
			3 m long	4 m long	5 m long
WMT2 15A	180 A (CO ₂) 150 A (Ar+CO ₂)	0.6 - 1.0 mm	W000277445	W000277447	-
WMT2 25A	230 A (CO ₂) 200 A (Ar+CO ₂)	0.8 - 1.6 mm	W000277473	W000277474	W000277475
WMT2 36A	340 A (CO ₂) 330 A (Ar+CO ₂)	0.8 - 1.6 mm	W000277482	W000277483	W000277484

Water cooled standard torches

Designation	Duty cycle at 100%	Wire diameter	Cat. nr		
			3 m long	4 m long	5 m long
WMT2 401W	460 A (CO ₂) 350 A (Ar+CO ₂)	1.0 - 1.6 mm	W000370826	W000370827	W000370828
WMT2 500W	500 A (CO ₂)	1.0 - 1.6 mm	W000277492	W000277493	W000277494
WMT2 500WL*	450 A (Ar+CO ₂)	1.0 - 1.6 mm	W000277533	W000277534	W000277535

*long swan neck



20570028R

Air cooled standard torches

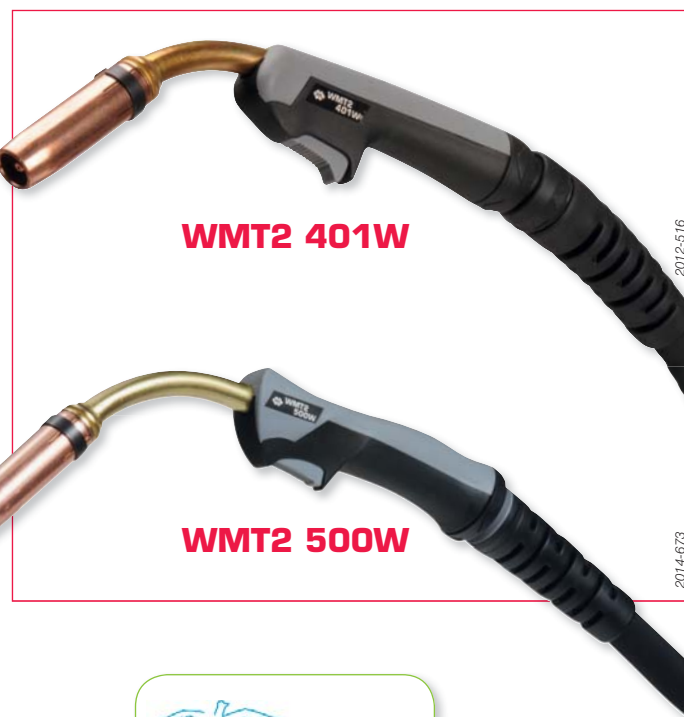


2014-663

2014-666

2014-669

Water cooled standard torches



2012-516

2014-673



See also our WST2
range for fume extraction
torches in page 63.

ARC EQUIPMENT PLASMA CUTTING

The products of the CITOCUT range are designed for excellent quality cuts and reliability.
Range covers up to 40 mm thick plates.

CITOCUT 10 KT

CITOCUT 10 KT, portable solution with integrated air compressor.



FEATURES & BENEFITS

- Non HF striking
- Drag cutting
- Digital display
- Severance cut: 10 mm



2010-063



CITOCUT 10i

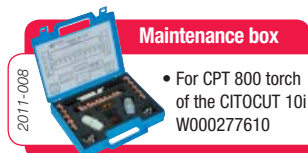
CITOCUT 10i, the alliance of light weight and sturdy conception.

FEATURES & BENEFITS

- Non HF striking
- Drag cutting
- Digital display
- Severance cut: 10 mm



2010-210



CITOCUT 20iC

CITOCUT 20i, powerful and versatile.

FEATURES & BENEFITS

- Digital display
- Non HF striking
- Drag and distance cutting
- Grid and gouging mode
- Autolink 230 V - 400 V
- Severance cut: 25 mm



2013-672



	CITOCUT 10 KT	CITOCUT 10i	CITOCUT 20iC
Supply voltage	230 V single phase	230 V single phase	230 - 400 V three phase Autolink
Input current	11.5 A (effective)	14 A (effective)	15.5 A (maxi)
Cutting current	10 - 30 A	10 - 30 A	20 - 65 A
40 °C duty cycle	20 A @ 60%	25 A @ 60%	60 A @ 50%
Quality cut	8 mm	8 mm	20 mm
Weight	16 kg	8 kg	25 kg
Torch	CPT 800 - 4 m	CPT 800 - 4 m	CITORCH P 40C - 6 m or PT 100C 6 m
Cat. number	W000271551 (power source + torch)	W000277618 (power source + torch)	W000372415 (power source) W000278170 (PT 100C torch) W000274856 (CITORCH P40C)

These equipment are designed for industrial and professional use only and does not comply with EN 61000-3-2/12. If it is connected to a public low voltage system, it is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment may be connected. (See also the instruction manual)

ARC EQUIPMENT PLASMA CUTTING

OERLIKON

CITOCUT 40i C

FEATURES & BENEFITS

- Superior quality cut up to 40 mm
- Compact design
- Gouging position
- Automatic re-start
- Automatic version
- Digital display and control of the parameters
- 3 cutting modes: cutting - grid - gouging
- Quick connection torch



**Light / Powerful
Versatile / Rugged**



Maintenance box

- For CITORCH P40C W000277615

WARRANTY
2+ YEARS
1 YEAR FREE WITH YOUR REGISTRATION

CITOCUT 25 C

FEATURES & BENEFITS

- Powerful: 80 A with 40% at 40 °C duty cycle
- 3 steps to simplify the selection of the desired current according to the thickness to be cut
- Maximum quality and safety with the patented torch
- Drag cutting up to 8 mm for maximum quality
- Delivered ready to use
- IP 23 S for use on open sites
- 4 wheels and a strong design for intensive industrial use
- Central connector for easy connection



Maintenance box

- For CITORCH P40C W000277615

WARRANTY
2+ YEARS
1 YEAR FREE WITH YOUR REGISTRATION



CITOCUT 40 C

FEATURES & BENEFITS

- High cutting capacity: 40 mm with 120 A
- High duty cycle: 50% at 40 °C
- IP 23 S for workshop and on-site applications
- 4 steps for current setting according to the thickness to be cut
- High quality cut with drag cutting nozzles
- Delivered ready to use with 6 m torch, air hose, primary cable, earth cable, starting set of wear parts
- Central connector for easy connection



Maintenance box

- For CITORCH P40C W000277615

WARRANTY
2+ YEARS
1 YEAR FREE WITH YOUR REGISTRATION



	CITOCUT 40i C	CITOCUT 25 C	CITOCUT 40 C
Power supply	400 V three-phase	220 - 230 - 380 - 400 V three-phase	
Primary consumption maximum	40,3 A	49 - 47 - 28,5 - 27 A	74 - 71 - 42 - 40 A
Cutting current	10 - 120 A	30 - 50 - 80 A	30 - 50 - 85 - 120 A
Duty cycle at 40 °C	120 A @ 60%	80 A @ 40%	120 A @ 50%
Severance cut	40 mm	25 mm	40 mm
Net weight	35 kg	80 kg	125 kg
Torch	CITORCH P 40 C - 6 m or PT 100C - 6 m		
Cat. nr	W000273829 (power source)	W000377627 (power source)	W000377628 (power source)
	W000278170 (PT 100C torch)	W000278170 (PT 100C torch)	W000278170 (PT 100C torch)
	W000274856 (CITORCH P40C torch)	W000274856 (CITORCH P40C torch)	W000274856 (CITORCH P40C torch)

These equipment are designed for industrial and professional use only and does not comply with EN 61000-3-2/12. If it is connected to a public low voltage system, it is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment may be connected. (See also the instruction manual)

ARC WELDING CONSUMABLES

MMA WELDING ELECTRODES

All positions rutile electrode

OVERCORD R12

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: $U_o > 50$ V.



Classification

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

To order

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
2.0	350	160	960	W000380242
2.5	350	260	780	W000258223
3.2	350	160	480	W000258224
3.2 L	450	160	480	W000258225
4.0	350	105	315	W000258226

In plastic pack

2.5	350	38 electrodes	W000287127
3.2	350	24 electrodes	W000287128

Excellent aspect rutile electrode

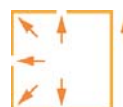
FINCORD

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: $U_o > 48$ V.



Classification

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

To order

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
2.0	350	170	1020	W000380798
2.5	350	210	630	W000287201
3.2	350	125	375	W000287202
3.2 L	450	118	354	W000287203
4.0	350	78	234	W000287204

Basic electrode

SUPERCITO 7018 S

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.

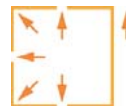
Also available in MICRODRY packaging, a multilayer film (mix of plastic and aluminium) which provides a perfect barrier against humidity. Therefore no rebaking, no holding oven and no quiver are necessary. The electrodes can be used right after opening and during 8h.

Classification

EN ISO 2560 A
E 42 5 B 32 H5
AWS SFA-5.1
E 7018-1 H4

Current condition:

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



Standard cardboard packaging

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
2.5	350	195	585	W000258277
3.2	350	120	360	W000258278
3.2 L	450	120	360	W000258279
4.0	450	85	255	W000258280
5.0	450	55	165	W000258281



MICRODRY packaging

Ø (mm)	Length (mm)	Quant. / bag	Quant. / Carton	Cat. nr
2.5	350	28	448	W000385802
3.2	350	22	352	W000385803
3.2	450	22	352	W000385804
4.0	450	18	288	W000385805
5.0	450	8	128	W000385806

Rutile coated electrodes for stainless steels

SUPRANOX 308L

Features:

SUPRANOX 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: $U_o > 50$ V.



Classification

EN 3581-A
E 19 9 L R 12
AWS A-5.4
E308L-17

Standard cardboard packaging

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
2.0	300	310	930	W000375882
2.5	300	190	570	W000375886
3.2	350	120	360	W000375888
4.0	350	80	240	W000375891
5.0	350	50	150	W000375893

MEDIUM DRY packaging

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
2.0	300	150	900	W000375874
2.5	300	90	540	W000375875
3.2	350	55	330	W000375877
4.0	350	40	240	W000375879



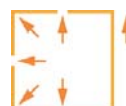
SUPRANOX 316L

Features:

SUPRANOX 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.



Classification

EN 3581-A
E 19 12 3 LR 12
AWS A-5.4
E316L-17

Standard cardboard packaging

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
2.0	300	310	930	W000375872
2.5	300	190	570	W000375873
3.2	350	120	360	W000375876
4.0	350	80	240	W000375878
5.0	350	50	150	W000375881

Small plastic case packaging

2.5	300	30 electrodes	W000375945
3.2	350	20 electrodes	W000375946

MEDIUM DRY packaging

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Cat. nr
1.6	300	250	1 500	W000375922
2.0	300	150	900	W000375923
2.5	300	90	540	W000375924
3.2	350	55	330	W000375925
4.0	350	40	240	W000375865



MMA WELDING ELECTRODES

Electrode for repair and assembly

SUPRANOX RS 312

Features:

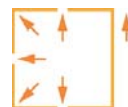
DW 312 is a rutile coated MMA electrode for joining difficult-to-weld steels, dissimilar steels and for wear-resistant surfacing and buffer layers, the deposit hardness is ~220 HB. Applications include repair and maintenance welding on machines, power transmission equipment and tools. The microstructure 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.

Classification

EN 3581-A
EZ (29 9) R12
AWS A-5.4
~E312-16

Current condition:

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



MEDIUM DRY packaging

Ø (mm)	Length (mm)	Quant. / VPMD	Quant. / Carton	Cat. nr
2.5	300	95	570	W000258455
3.2	350	55	330	W000258456
4.0	350	35	210	W000258457

Small plastic case packaging

Ø (mm)	Length (mm)	Quant. / Carton	Cat. nr
2.5	300	28 electrodes	W000287909
3.2	350	15 electrodes	W000287910

Electrode for joining and surfacing cast iron

SUPERFONTE NiFe

Features:

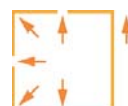
SUPERFONTE NiFe is a basic-graphite coated MMA electrodes with nickel-iron core wire, for joining and surfacing of cast iron without preheating or with a minimum of < 300°C, «cast iron cold welding». Higher weld metal strength than SUPERFONTE Ni. Used for welding applications on new cast-iron components 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.

Classification

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

Current condition:

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



MEDIUM DRY packaging

Ø (mm)	Length (mm)	Quant. / VPMD	Quant. / Carton	Cat. nr
2.5	350	115	690	W000258513
3.2	350	70	420	W000258514

Small plastic case packaging

Ø (mm)	Length (mm)	Quant. / Carton	Cat. nr
2.5	350	26 electrodes	W000288116
3.2	350	12 electrodes	W000288117

DRY PACK

A safer and more economic way for your MMA welding applications.

The coated electrodes are packaged in 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 8 h.

According your needs we can provide micro or medium packaging. Choose your adapted packaging according number of used electrodes per day.



MICRO DRY		MEDIUM DRY	
Diameter	Number * of electrode per box	Diameter	Number * of electrode per box
2.0	45	2.0	150
2.5	28	2.5	90
3.2	22	3.2	55
4.0	18	4.0	40
5.0	8	5.0	22

* Depends on the coating diameter. The numbers are only indications.

ARC WELDING CONSUMABLES

MASSIVE WIRES FOR MIG/MAG WELDING

Welding of unalloyed and low alloyed steels

CARBOFIL 1

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

Features:

CARBOFIL 1 is a copper coated type solid MAG welding wire supplied both random and precision layer wound, depositing C-1.1% Mn weld metal, for welding a wide range of mild and C-Mn structural steels. CARBOFIL 1 is a welding wire electrode used for general applications in both single and multipass welding. Especially suited for sheet metal applications where smooth weld beads are required. Weld metal impact toughness properties are down to -40 °C.

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
0.6	S 300	SR	15	W000282583
	S 200	SR	5	W000282587
0.8	B 300	SJ	16	C 30 010 192
	S 300	SR	15	W000282589
1.0	B 300	SJ	16	C 30 010 193
	BS 300	SJ	16	C 30 010 111
1.2	S 300	SR	16	W000282601
	B 300	SJ	16	C 30 010 194
1.6	BS 300	SJ	16	C 30 010 112
	B 300	SJ	16	W000282626

* others packaging available (consult us)

SR: Precision layer wound - SJ: Random layer wound

CARBOFIL 1 GOLD

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

Features:

CARBOFIL 1 GOLD is a special bronze-coated type solid MAG welding wire, supplied both random and precision layer wound, depositing C-1.1% Mn weld metal, for welding a wide range of mild and C-Mn structural steels. CARBOFIL 1 GOLD has a very good arc stability, excellent feeding properties, low spatter during welding, good start and stop characteristics with a low consumption of contact tips. Applications are the same as CARBOFIL 1, but especially suitable for welding in spray arc. The «GOLD» coating is produced with MHC technology, which guarantee a low content of elements associated with arc instability.

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
1.0	B 300	SJ	16	W000282709
1.2	B 300	SJ	16	W000282713

* others packaging available (consult us)

SJ: Random layer wound

Welding of low alloyed steels HYSS

CARBOFIL NiMoCr

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

Features:

CARBOFIL NiMoCr is a copper coated GMn3Ni1CrMo/ER110S-G type solid MAG welding wire, depositing C-1.2Mn0.25Cr1.5Ni0.25Mo weld metal, used for the welding of high tensile strength steels and type TI-HY100 steels. Suitable for use with Ar-CO₂ mix shielding gases. CARBOFIL NiMoCr is used to weld <690 MPa yield strength steels with excellent mechanical properties and also for low temperature applications down to -40 °C. Low heat inputs are recommended to obtain optimum joint mechanical properties. Solid wire with excellent mechanical characteristics for use on high strength steels.

Classification

AWS A 5-28

ER 110 S-G

EN ISO 16834-A

G 69 4 M21 Mn3Ni1CrMo

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
1.0	BS	SJ	16	W000282926
1.2	300	SJ	16	W000282929

* others packaging available (consult us)

SJ: Random layer wound

Welding of low alloyed steels. Weathering steels

CARBOFIL NiCu

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

Features:

CARBOFIL NiCu is a copper coated ERS0S-G type solid MAG welding wire, depositing a C-1Mn0.5Ni0.4Cu for the welding of weathering steels such as COR-TEN, Patinax, etc. Suitable for welding with CO₂ or Ar+CO₂ mixed shielding gases. CARBOFIL NiCu is suitable for welding a range of structural weather resistant steels in applications such as bridge fabrication, exposed frame structures, transmission towers, barriers, ducting, chimneys, shields and inner exhaust systems. Due to the alloying elements, CARBOFIL NiCu can also be used for the welding of high yield strength steels. The addition of Ni and Cu to the weld metal provides increased resistance to atmospheric corrosion compared to conventional C-Mn steels. Solid wire for welding type CORTEN carbon steels with gas shielding. Excellent mechanical characteristics and resistance to corrosion.

Classification

AWS A 5-28

ER 80 S-G

EN ISO 14341-A

G42 4 M21 Z

EN ISO 14341-A

G42 3 C12 Z

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
0.8	BS	SJ	16	W000282861
1.0	300	SJ	16	W000282863
1.2	300	SJ	16	W000282865

* others packaging available (consult us)

SJ: Random layer wound

Welding of stainless and special steels

INERTFIL 308LSi

Shielding gas (according EN ISO 14175): M13.

Features:

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

Classification

AWS A 5-9

ER 308L Si

EN ISO 14343-A

G 19 9L Si

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
0.8		SJ	15	W000283002
1.0	BS	SJ	15	W000283007
1.2	300	SJ	15	W000283013
1.6		SJ	15	W000283018

* others packaging available (consult us)

SJ: Random layer wound

INERTFIL 316LSi

Shielding gas (according EN ISO 14175): M13.

Features:

INERTFIL 316LSi is a solid MAG welding wire, supplied precision layer wound, depositing a low C-19Cr12Ni2.5Mo weld metal. INERTFIL 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.

Classification

AWS A 5-9

ER 316L Si

EN ISO 14343-A

G 19 12 3 L Si

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
0.6	S 200	SJ	5	W000283055
0.8		SJ	15	W000283060
1.0	BS	SJ	15	W000283065
1.2	300	SJ	15	W000283070
1.6		SJ	15	W000283075

* others packaging available (consult us)

SJ: Random layer wound

MASSIVE WIRES FOR MIG/MAG WELDING

Stainless steel MIG wires

WL WIRE 308 LSi

To order:

Ø (mm)	Spool	Weight	Cat. nr*
0.8	BS 300	15 kg	W000283672
1.0			W000283144
1.2			W000283146

Classification

**AWS A 5-9
ER 308 L Si**

* others packaging available (consult us)

WL WIRE 309 LSi

To order:

Ø (mm)	Spool	Weight	Cat. nr*
0.8	BS 300	15 kg	W000283674
1.0			W000283148
1.2			W000283150

Classification

**AWS A 5-9
ER 309 L Si**

* others packaging available (consult us)

WL WIRE 316 LSi

To order:

Ø (mm)	Spool	Weight	Cat. nr*
0.8	BS 300	15 kg	W000283676
1.0			W000283152
1.2			W000283154

Classification

**AWS A 5-9
ER 316 L Si**

* others packaging available (consult us)

Welding of aluminium and light alloys

ALUFIL AIMg5

Shielding gas (according EN ISO 14175): I1.

Features:

ALUFIL AIMg5 is a solid MIG welding wire, supplied precision layer wound, depositing Al-5Mg weld metal. ALUFIL 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. ALUFIL AIMg5 is the most popular aluminium welding wire, because of its high yield strength and high resistance to corrosion, including seawater.

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
0.8	BS 300	SJ	7	W000283218
1.0		SJ	7	W000283221
1.2		SJ	7	W000283225
1.6		SJ	7	W000283229

* others packaging available (consult us)

SJ: Random layer wound

Classification

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

ALUFIL AIMg4.5Mn

Shielding gas (according EN ISO 14175): I1.

Features:

ALUFIL AIMg4.5Mn is a 5183 type aluminum solid MIG welding wire, supplied precision layer wound, depositing Al-4.5Mg0.7Mn weld metal. Suitable for use with Ar, or Ar+He mixed shielding gases. ALUFIL AIMg4.5Mn is suitable for the welding of sea- and other structures, where the strength, the toughness and the corrosion resistance are the priorities. ALUFIL AIMg4.5Mn results the highest strength in as welded condition. Due to the high Mg-content it is not applicable for high temperature applications, because of the risk of stress corrosion. For special request ALUFIL AIMg4.5Mn is available with GL (Germanischer Lloyd), LRS (Lloyd's Register) and RINA (Registro Italiano Navale) approvals.

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
1.0	BS 300	SJ	7	W000283200
1.2		SJ	7	W000283203

* others packaging available (consult us)

SJ: Random layer wound

Classification

**AWS A 5-10
ER 5183
EN ISO 18273
S Al 5183**

Aluminium MIG wires

WL WIRE AISi5

To order:

Ø (mm)	Spool	Weight	Cat. nr*
1.0	BS 300	7 kg	W000283672
1.2			W000283144
1.6			W000283146

Classification

**AWS A 5-9
ER 4043**

* others packaging available (consult us)

WL WIRE AIMg5

To order:

Ø (mm)	Spool	Weight	Cat. nr*
1.0	BS 300	7 kg	W000283676
1.2			W000283152
1.6			W000283154

Classification

**AWS A 5-9
ER 5356**

* others packaging available (consult us)

WL WIRE AIMg4.5Mn

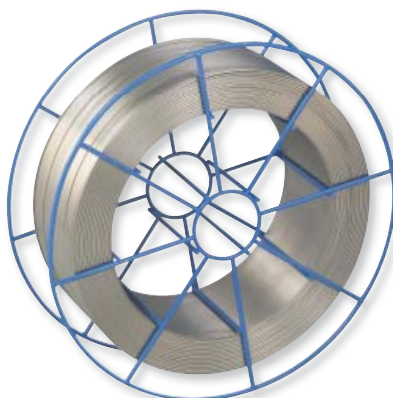
To order:

Ø (mm)	Spool	Weight	Cat. nr*
1.0	BS 300	7 kg	W000283674
1.2			W000283148
1.6			W000283150

Classification

**AWS A 5-9
ER 5183**

* others packaging available (consult us)



Hardfacing

INERTFIL 308LSi

Shielding gas (according EN ISO 14175): M20, M21, M24.

Features:

CARBOFIL A 600 is a copper coated S Fe8 type solid MAG welding wire, supplied precision layer wound, depositing a 0.5C 0.3Mn 2.5Si 9.0Cr weld metal. Suitable for use with Ar+CO2 mixed shielding gases. CARBOFIL A 600 is used for hard-surfacing applications where resistance to abrasion is required. Typical applications are: excavator parts, bucket edges, mining equipments. CARBOFIL A 600 weld deposits can be used at service temperatures <450°C with a minimal loss of abrasion resistance. The as deposited weld metal can be shaped or profiled by grinding. Solid wires for hard-facings suitable for restoring surfaces that are subject to abrasion.

Classification

**EN 14700
S Fe 8**

To order:

Ø (mm)	Spool	Layer wound	Weight (kg)	Cat. nr*
1.2	BS300	SJ	15	W000283294

* others packaging available (consult us)

SJ: Random layer wound

ARC WELDING CONSUMABLES

FLUX CORED WIRES FOR MIG/MAG WELDING

Flux Cored Wire for MAG welding of carbon steels

FLUXOFIL M8

Shielding gas: M21 or C1.

Features:

FLUXOFIL M8 is a seamless copper coated metal cored wire with outstanding welding characteristics in short-arc and spray-arc ranges depositing slag free weld metal. Almost spatter-free when welding in the spray-arc range. Good restriking, even with a cold wire tip, thus being suitable for robotic applications. Characteristic features: high deposition rate and welding speed, good side wall fusion, finely rippled welds, without undercut into the base metal, even on contaminated or corroded metal surfaces. Little formation of silicates on the weld surface, so multi-pass welds can be made without inter-run cleaning. Due to an easily controllable weld pool in the short-arc range, FLUXOFIL M8 is well-suited for root- and positional welding and gap bridging.

Classification

AWS A 5-18
E 70C-3 MH4 and E 70C-3 CH4

EN ISO 17 632-A
T 46 2 MM 1 H5 and T 46 2 MC 1 H5

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.0	BS 300	16 kg	W000281001
1.2			W000281004
1.6			W000281011

FLUXOFIL 14 HD

Shielding gas: M21 or C1.

Features:

FLUXOFIL 14 HD is a seamless copper coated rutile flux cored wire with an enhanced degree of fill for gas-shielded metal arc welding of unalloyed steels for operating temperatures from -30 °C up to +450 °C. Due to its easily controllable weld pool, the welding characteristics are outstanding. It can be welded in all positions with only one parameter setting (24 V, wire feed 9 m/min, wire dia. 1,2 mm). The enhanced degree of filling results in increased current carrying capacity and deposition rate, thus increasing welding speed and leading to a saving of time and costs. Low spatter loss, easy slag removal, smooth and finely rippled welds are produced without undercut into the base metal. Preferably used under mixed gas. The use of CO₂ is possible.

Classification

AWS A 5-20
E 71T-1 MJ H4 / E 71T-1C-H4

EN ISO 17 632-A
T 46 2 P C 1 H5 with gas C1 and
T 46 3 P M 1 H5 with gas M21

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.0	B200	5	W000281096
	B300	16	W000281097
1.2	B200	5	W000281098
	B300	16	W000281099
1.6	B200	5	W000281104
	B300	16	W000281105

CITOFILUX B13-0

Shielding gas: Gasless.

Features:

CITOFILUX B13-0 is self shielded flux cored wire for welding in all positions. It is used for on-site assembly of sheet and plate metal or profile sections (thickness 3 to 15mm), for the spot welding of round bars for reinforced concrete and for joining galvanized parts.

GASLESS

Classification

AWS A 5-20
E 71-T7

EN ISO 17 632-A
T 42 Z Y 1 H15

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.0	S 200	4.5 kg	W000281393
1.2	BS	16 kg	W000281394
1.6	300		W000281395

CITOFILUX M60 A

Shielding gas: M21.

Features:

CITOFILUX M60A is a metal cored wire which produces a fine aspect to the weld bead. High deposition rate and excellent arc stability with no slag residue, suitable for single and multipass automatic welding. The main applications are mechanical constructions and earth moving equipment. Diffusible hydrogen 5 ml/100g max.

Classification

AWS A 5-18
E 70C-3 M H8 with gas M21

EN ISO 17 632-A
T 42 2 MM 1 H5 with gas M21

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.2	BS 300	16 kg	W000281042
1.4			W000281044
1.6			W000281046

CITOFILUX R00

Shielding gas: M21 or C1

Features:

CITOFILUX R00 is a folded rutile flux-cored wire for gas-shielded metal arc welding of unalloyed steels for operating temperatures from -30 °C to +450 °C in all welding positions. The weld pool is easily controllable with outstanding welding properties. The enhanced fillig results in increased current carrying capacity and hence deposition rate, thus essentially increasing welding speed, leading to savings of time and costs. Low spatter loss and easy slag removal result in smooth and finely rippled welds without undercut. Can be used in manual and fully mechanised processes, very well suited for use on ceramic backing. Preferably used under mixed gas. The use of CO₂ is possible.

Classification

AWS A 5-20
E 71T-1C-H4 / E 71T-1M-JH4

EN ISO 17 632-A
T 42 2 P C 1 H5 (with gas C1)
T 42 3 P M 1 H5 (with gas M21)

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.0	B300	16	W000281145
1.2	S200	5	W000281146
	B300	16	W000281147
1.6	B300	16	W000281148

CITOFILUX GALVA

Shielding gas: M21.

Features:

CITOFILUX GALVA is a metal cored wire suitable for manual or automatic, single-pass welding of galvanised steels or primed plates (0,8 to 4 mm). Low spatter level and excellent bead appearance. Used with spray arc with negative-poled flux-cored wire electrode (direct current, negative polarity).

There is a limited oxidation zone around the weld bead. The main applications are in the car industry, shipyards and for air conditioning equipment.

Classification

AWS A 5-18
E 70 C GS

EN ISO 17 632-A
T 3T Z MM1 H15

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.0	BS 300	16 kg	W000281064
1.2			W000281065

FLUX CORED WIRES FOR MIG/MAG WELDING

Flux Cored Wire for welding of austenitic stainless steels

FLUXINOX 308L

Shielding gas: M21 or C1.

Features:

FLUXINOX 308L is an alloyed rutile flux cored wire for the welding of unstabilized and stabilized corrosion resistant Cr Ni-steels. Suitable for operating temperatures up to 350 °C, non-scaling up to approximately 800 °C. FLUXOFIL 308 L features outstanding, almost spatter-free, welding properties. Very easy slag removal from fillet welds. Flat and smooth weld beads without undercut.

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.2	S 200 BS 300	4,5 kg 15 kg	W000281256 W000281257

Classification

AWS A 5-22
E 308L T0-4 and E308LT0-1
EN ISO 17 633-A
T 19 9 LRM 3 / T 19 9 LRC 3

FLUXINOX 316L

Shielding gas: M21 or C1.

Features:

FLUXINOX 316L is an alloyed rutile flux cored wire for the welding of unstabilized and stabilized corrosion resistant Cr Ni Mo-steels. The weld metal is resistant to intergranular corrosion up to 400 °C and non-scaling up to 800 °C. FLUXINOX 316L exhibits outstanding, almost spatter-free, welding properties. Very easy slag removal from fillet welds, even in acute angles. The weld beads produced are finely rippled and without undercut. Due to only slight discolouration of the welds, pickling costs can be minimised.

To order:

Ø (mm)	Spool	Weight	Cat. nr
1.2	S 200 BS 300	4,5 kg 15 kg	W000281273 W000281274

Classification

AWS A 5-22
E 308L T0-4 and E308LT0-1
EN ISO 17 633-A
T 19 12 3 LRM 3 / T 19 12 3 LRC 3

RODS FOR TIG WELDING

TIG welding of carbon steels

CARBOROD 1

Shielding gas according EN ISO 14175: I1.

Features:

CARBOROD 1 is suitable for TIG welding of mild and C-Mn steels, and is 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 -50 °C.

To order:

Ø (mm)	Long. (mm)	Packaging	Weight (kg)	Cat. nr
1.6	1000	Tube	5	W000283322
2.0	1000	Tube	5	W000283323
2.4	1000	Tube	5	W000283324
3.2	1000	Tube	5	W000283325

Classification

AWS A 5-18
ER 70S-6
EN ISO 636-A
W42 4 W3S1

TIG welding of low alloyed steels

CARBOROD CrMo91

Shielding gas (according EN ISO 14175): I1.

Features:

CARBOROD CrMo91 is an uncoated WCrMo91/ER90S-B9 type solid TIG welding rod for welding creep resisting steels of the type 9Cr 1Mo V Nb N. Suitable for use with Ar shielding gas. CARBOROD CrMo91 is especially designed for the ASTM steels T91/P91. This product is suitable for applications in long-term service at temperatures up to 650 °C. Improved creep strength is obtained by the addition of nitrogen, niobium and vanadium.

To order:

Ø (mm)	Long. (mm)	Packaging	Weight (kg)	Cat. nr
1.6	1000	Tube	5	W000377654
2.4	1000	Tube	5	W000377655

Classification

AWS A 5-28
ER 90S-B9
EN ISO 21952-A
W CrMo91

CARBOROD CrMo92

Shielding gas (according EN ISO 14175): I1.

Features:

CARBOROD CrMo92 is an uncoated W ZrMoWVNB9 0.5 1.7/ER90S-B9 (mod.) type solid TIG welding rod depositing a nominal C-0.7Mn9Cr1.5W0.5MoNbN low alloy steel weld metal. Suitable for use with Ar shielding gas. CARBOROD CrMo92 is especially designed for welding ASTM T92/P92, NF 616 and X10CrWMoNb 9-2 creep resisting steels. Approved in long-term service at temperatures <650°C. Improved creep strength is obtained by the addition of tungsten, niobium, nitrogen and vanadium.

To order:

Ø (mm)	Long. (mm)	Packaging	Weight (kg)	Cat. nr
1.6	1000	Tube	5	W000376270
2.4	1000	Tube	5	W000376271

Classification

AWS A 5-28
ER 90S-B9 (mod.)
EN ISO 21952-A
W ZrMoCrMoWVNB 9 0.5 1.7

ARC WELDING CONSUMABLES

RODS FOR TIG WELDING

TIG welding and hardfacing of stainless steels and special steels

INERTROD 308L

Shielding gas according EN ISO 14175: I1.

Features:

INERTROD 308L is a TIG welding rod depositing a low C-19Cr 9 Ni weld metal. INERTROD 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. Batch with controlled low ferrite number is available for cryogenic applications. Low carbon reduces the propensity to intergranular carbide precipitation, which increases the resistance to intergranular corrosion without the use of stabilizers. ER 308L LSi version are also available (*consult us*).

To order:

Ø (mm)	Long. (mm)	Packaging	Weight (kg)	Cat. nr
1.2	1000	Tube	5	W000283414
1.6	1000	Tube	5	W000283415
2.0	1000	Tube	5	W000283416
2.4	1000	Tube	5	W000283417

Classification

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

INERTROD 316L

Shielding gas according EN ISO 14175: I1.

Features:

INERTROD 316L is a TIG welding rod depositing a low C-19Cr12Ni2.6Mo weld metal. INERTROD 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. ER 316L LSi version are also available (*consult us*).

To order:

Ø (mm)	Long. (mm)	Packaging	Weight (kg)	Cat. nr
1.2	1000	Tube	5	W000283450
1.6	1000	Tube	5	W000283451
2.0	1000	Tube	5	W000283452
2.4	1000	Tube	5	W000283453

Classification

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

Stainless steel TIG rods

WL ROD 316L

To order:

Ø (mm)	Long. (mm)	Weight (kg)	Cat. nr
1.2	1000	5	W000274503
1.6			W000253606
2.0			W000253607
2.4			W000253608

Classification

AWS A 5-9
ER 316 L

WL ROD 308L

To order:

Ø (mm)	Long. (mm)	Weight (kg)	Cat. nr
1.2	1000	5	W000274504
1.6			W000253609
2.0			W000253610
2.4			W000253611

Classification

AWS A 5-9
ER 308 L



Aluminium TIG rods

WL ROD AISi5

To order:

Ø (mm)	Long. (mm)	Weight (kg)	Cat. nr
2.0	1000	5	W000283692
2.4			W000283693
3.2			W000283694

Classification

AWS A 5-9
ER 4043

WL ROD AIMg5

To order:

Ø (mm)	Long. (mm)	Weight (kg)	Cat. nr
1.2	1000	5	W000274505
1.6			W000283698
2.0			W000283699
2.4			W000283700

Classification

AWS A 5-9
ER 5356

WL ROD AIMg4.5Mn

To order:

Ø (mm)	Long. (mm)	Weight (kg)	Cat. nr
2.0	1000	5	W000283695
2.4			W000283696
3.2			W000283697

Classification

AWS A 5-9
ER 5183

Aluminium alloys welding

ALUROD AIMg5

Shielding gas according EN ISO 14175: I1.

Features:

ALUROD AIMg5 is a TIG welding rod depositing Al-5Mg weld metal. ALUROD AIMg5 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. ALUROD AIMg5 is the most widely used Al welding wire, because of the weld metals high yield strength and high resistance to corrosion, including seawater.

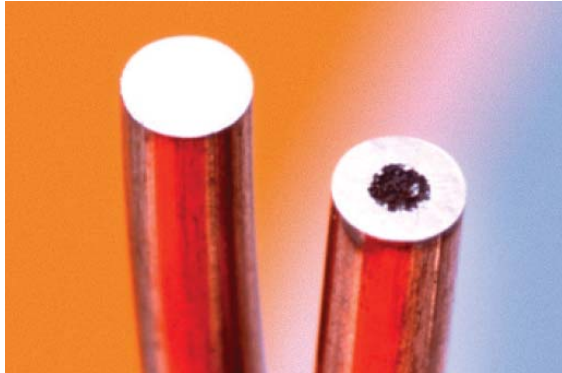
To order:

Ø (mm)	Long. (mm)	Packaging	Weight (kg)	Cat. nr
1.6	1000	Tube	5	W000283582
2.0	1000	Tube	5	W000283583
2.4	1000	Tube	5	W000283584
3.2	1000	Tube	5	W000283585
4.0	1000	Tube	5	W000283586

Classification

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

WIRES AND FLUXES FOR SAW-WELDING



OERLIKON SAW combinations, always the right solution.

For example:

- **S355 with thickness > 20 mm:**
OE-SD3 / OP 121TT: best mechanical properties in multirun application.
FLUXOCORD 31HD - OP 121TTW: equivalent however with higher welding speed / deposit rate
- **S355 thin plates (5- 20 mm):**
OE-S2 / OP 191 in single run.
Nice fillet welds. Ship yards, & light steel construction.
- **S690QL:**
FLUXOCORD 42 - OP 121TTW - DRYBAG.
Best welding performance with best mechanical properties.
Safe solution against cold cracking risk.



OERLIKON SAW - Wires:

- Solid wires
- Flux cored wires:
 - FLUXOCORD® Technology for optimal chemistry and mechanical properties
 - FLUXOCORD HD® Technology for higher efficiency

OERLIKON SAW Flux:

- Standard 25 kg poly-ethylene bag (PEX0025)
- Moisture resistant 25 kg "DRYBAG" (DRYX0025)
- BIG-BAG bulk packaging formats



OERLIKON SAW combinations have been designed to weld non-alloyed and low alloyed steel grades in single run, 2-run or multi run technique. Also for wear and corrosion resistant applications we have solutions with wire and strip and for higher efficiency there is the possibility for a multi-wire process variant.

Consult your OERLIKON-distributor for additional and / or specific possibilities.

ELECTRODE HOLDERS

Screw type

VESTALETTE

1794-21



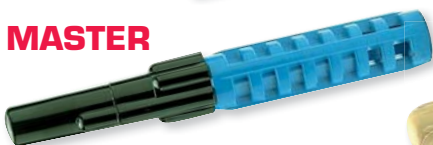
STUBBY

2004-215



MASTER

0947-65



Name	A (@35%)	Ø Cable (mm²)	Ø electrode (mm)	Weight (g)	Cat. nr
VESTALETTE	250	35	4.0	295	W000010035
STUBBY	400	50	6.3	450	W000010036
MASTER	500	95	8.0	530	W000010037
VESTALE	500	95	8.0	470	W000010038

VESTALE

0947-68



Lever type with opened head

CAIMAN

2004-491



SAMSON

2004-648



Name	A (@35%)	Ø Cable (mm²)	Ø electrode (mm)	Weight (g)	Cat. nr
CAIMAN 200	200	25	3.2	370	W000010567
CAIMAN 400	300	50	5.0	425	W000010568
CAIMAN 600	400	70	6.3	500	W000010569
SAMSON ECO 300	300	70	6.3	450	W000010622
SAMSON ECO 500	500	95	8.0	530	W000010623

Lever type with closed head

SEGURA

2004-493



COBRA

2011-032



OPTIMUS

2004-647



Name	A (@35%)	Ø Cable (mm²)	Ø electrode (mm)	Weight (g)	Cat. nr
SEGURA 300	300	35	4.0	415	W000010570
SEGURA 400	300	50	5.0	570	W000010571
SEGURA 500	400	70	6.3	590	W000010572
COBRA	300	50	6.3	420	W000010039
OPTIMUS 300	300	70	6.3	460	W000010410
OPTIMUS 400	400	95	8.0	560	W000010411
OPTIMUS 500	500	95	8.0	620	W000010412

Kit accessories for MMA welding



2009-163

Kit	I max at 35%	Electrode holder	Cable length	Earth clamp	Cable length	Plug diameter	Cat. nr
25C25	200 A	CAIMAN 200	3 m	HIPPO 200	3 m	9 mm	W000011138
25C25+	300 A	SEGURA 300	3 m	HIPPO 400	2 m	9 mm	W000260683
25C50	300 A	SEGURA 300	3 m	HIPPO 400	3 m	13 mm	W000260684
35C50	300 A	SEGURA 300	4 m	HIPPO 400	4 m	13 mm	W000011139
50C50	300 A	SEGURA 400	4 m	HIPPO 400	4 m	13 mm	W000260681
50C50+	400 A	SEGURA 600	4 m	HIPPO 600	4 m	13 mm	W000260682

ACCESSORIES

CABLES AND CONNECTORS

Secondary cables

HO1N2-E (extra flexible)

To order:

Ø mm²	A maxi	Cat. nr Linear meter
16 mm²	130 A	W000010137
25 mm²	172 A	W000010138
35 mm²	216 A	W000010139
50 mm²	273 A	W000010140
70 mm²	340 A	W000010141
95 mm²	412 A	W000010142
120 mm²	480 A	W000010143

HO1N2-D (flexible)

To order:

Ø mm²	A maxi	Cat. nr Linear meter
16 mm²	130 A	W000260274
25 mm²	172 A	W000260275
35 mm²	216 A	W000260276
50 mm²	273 A	W000260277
70 mm²	340 A	W000260278
95 mm²	412 A	W000260279



2000-174

Cable connectors DINSE type

Push and twist design

To order:

Description	Ø mm²	A maxi	Cat. nr Linear meter
male	10 - 25 mm²	200 A	W000010559
	35 - 50 mm²	400 A	W000010560
	70 - 95 mm²	600 A	W000010561
female	10 - 25 mm²	200 A	W000010562
	35 - 50 mm²	400 A	W000010563
	70 - 95 mm²	600 A	W000010564

Classification
EN 60974-12



2007-814

Cable connectors DINSE type

Diameter	Cable	Cat. nr
11 mm	0 - 25 mm²	W000010094

Diameter	Cable	Cat. nr
14 mm	25 - 35 mm²	W000010095

Diameter	Cable	Cat. nr
14 mm	35 - 50 mm²	W000010096

Diameter	Cable	Cat. nr
16 mm	50 - 70 mm²	W000010640
16 mm	70 - 100 mm²	W000335165



Clamps for normal use

To order:

Description	Ø mm²	A maxi	A (35%)	Jaw opening (mm)	Weight (g)	Customer's benefit	Cat. nr
CROCODILE 300	50 mm²	300 A	300 A	38	405	Brass clamps Brass jaws	W000010577
CROCODILE 600	95 mm²	600 A	600 A	38	634	Very good contact surface	W000010578

CROCODILE



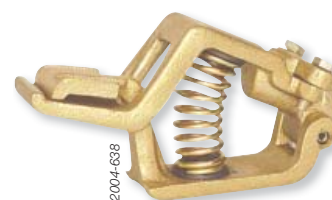
2007-756

Clamps for heavy duty use

To order:

Description	Ø mm²	A maxi	A (35%)	Jaw opening (mm)	Weight (g)	Customer's benefit	Cat. nr
MUSCLOR 300	50 mm²	200 A	300 A	38	480	Heavy duty brass clamps, powerful jaws giving excellent grip.	W000010583
MUSCLOR 600	95 mm²	400 A	500 A	38	762		W000010584
DRAGON 600	95 mm²	600 A	600 A	-	816	Brass jaws, rubber sheath cable protection. Screw tightening giving excellent grip.	W000010582

MUSCLOR



2004-638

PORTABLE QUIVERS

WELDRY 372 N INOX

Portable quivers are necessary, for electrodes maintenance, near the welding working place.

They preserve the electrodes from moisture avoiding hydrogen inclusion in the welding joint.

Our portable quivers are provided with a handle useful for easy transportation.

They also contain an extractable basket that avoids waste of heat.

The WELDRY 372 N INOX features a preset temperature to 120°C and a plated heater resistance against the reservoir electrodes which allows a good repartition of temperature.

Technical data	WELDRY 372 N - INOX
Capacity (n. of electrodes)	100 electrodes Ø 3,25 mm
Temperature regulation thermostat	Up to 120 °C
Power	0,230 kW
Capacity	5 kg
Power supply	Single phase 24 V ou 230 V 50/60 Hz
Internal dimensions	Ø 82,5 x 480 mm
External dimensions	225 x 535 mm
Net weight	5.5 kg
Cat. number	W000383150

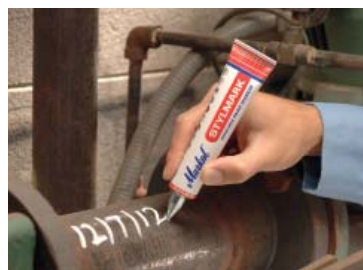
NEW

Classification
EN 61000-6-2
EN 61000-6-3
EN 60204-1



Markers

Designation	Cat N°	Description
Paint Marker White	W000383103	The Valve Action is a fast-drying liquid paint marker, that provides long-lasting, wear- and weather-resistant marks, that are safe for almost any surface. Most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks.
Paint Marker Yellow	W000383104	
Paint Marker Red	W000383105	
Paint Marker Blue	W000383106	
Paint Marker Green	W000383107	
Paint Marker Black	W000383108	
Paint Marker Orange	W000383109	
Paint Tube White	W000383110	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. Xylene-free paint reduces user health risks
Paint Tube Yellow	W000383111	
Paint Tube Red	W000383112	
Paintstik White	W000383113	Quik Stik is a smooth-marking solid paint crayon that dries quickly to leave a bold, permanent mark on most surfaces. The durable plastic twist-up holder prevents breakage. Keep hands, clothing, and toolboxes clean with the industry's largest twist-up solid paint marker.
Paintstik Yellow	W000383114	
Paintstik Red	W000383115	
Welding Chalk	W000383116	The soapstone welding crayon is resistant to heat up to 2000 °C (3630 ° F) and will not contaminate welds.



ACCESSORIES

Antispatters products

Designation	Features	Cat. nr
SPRAYMIG H₂O	<ul style="list-style-type: none"> 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 - spray 400 ml net W000011074 - drum 20 l
SPRAYMIG SVB	<ul style="list-style-type: none"> Silicone free Compatible with paint Use on cold parts Use on nozzles only and outside contact tip 	W000011092 - spray 400 ml net
SPRAYMIG SVD	<ul style="list-style-type: none"> Silicone free Compatible with paint Use on cold parts Use on nozzles only and outside contact tip Dichloromethane solvent 	W000271574 - spray 300 ml net
SPRAYMIG SIB	<ul style="list-style-type: none"> Silicone based Not for use on any parts that are to be painted Use on cold parts Use on nozzles only and outside contact tip 	W000011093 - spray 400 ml net
CERASKIN	<ul style="list-style-type: none"> 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 - spray 400 ml net



SPRAYMIG H₂O



SPRAYMIG SVB



SPRAYMIG SIB



SPRAYMIG SVD



CERASKIN

Non destructive cracks detection

Designation	Features	Cat. nr
FLUXO S 190	Piece degreasing & cleaning of penetrant excess.	W000374827
FLUXO P 125	<ul style="list-style-type: none"> 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

Classification
EN 3452-2
ASME
RCCM (nuclear)



FLUXO P 125



FLUXO S 190



FLUXO R 175



TIG SHARP

Portable electric tool
for tungsten electrodes
sharpening

Characteristics:

- All you need to sharpen your tungsten electrodes (all ranges) delivered in a practical metal case:
 - Sharpening machine
 - Clamp to lock the machine on a bench
 - 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
 - Electrode holder to clamp TIG electrodes
 - Tools to assemble and dismantle
- For an accurate sharpening:
 - Choose the electrode diameter
 - Select the grinding angle (10° to 70°)
 - Start the machine
 - Insert the electrode and turn it slowly
- An incredible result:
 - The grind is perfect
 - The grinding angle is very precise
 - Longitudinal sharpening, precise and symmetric angle.



2002-002

Classification
EN 50144-2-3
EN 60745-1
EN 60745-1/A1



This equipment has to be connected
to a vacuum extraction for dusts

Other product of the range	
Red head (for tungsten electrodes Ø 1.0 / 4.0 / 4.8 / 6.0 mm)	W000011037
Spare blue head (for tungsten electrodes Ø 1.6 / 2.0 / 2.4 / 3.2 mm)	W000011038
Spare diamond disk	W000011036

TIG SHARP	
Voltage	220 - 230 V
Frequency	50 - 60 Hz
Power	400 W
Amperage	1.8 A
Disk speed	30 000 pm
Weight	1.85 kg
Cat. nr	W000011035

TIG POINT

Chemical sharpening
of tungsten electrodes



2006-528

Instructions for use:

- Make the electrode to be out from the torch of 15 mm.
- Use the welding current to warm the electrode to white.
- Dip the electrode in the product while rotating the electrode.
- Make sure that the result is satisfactory.
- Carefully close the pot.

Cat. nr: W000011101

OPTICLEAN II

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

FEATURES & BENEFITS

- **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
- **PRODUCTIVITY GAIN:**
 - 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.

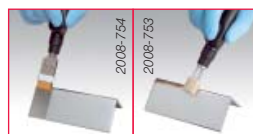


INVERTER TECHNOLOGY



Technical data:

	OPTICLEAN II
Supply Voltage	230 V monophasé
Frequency	50/60 Hz
Power	450 W
Electrode voltage	10/30 V AC/DC
Insulation call	IP 23
Noise level	< 10 dB (A)
Net weight	7 kg
Dimensions	300 x 230 x 240 mm



2006-754

2006-753

To order:

Machine OPTICLEAN II including:	
Torch	W000275260
Support torch	W000382323
Support torch extension	W000382325
Ground cable	W000375139
Torch power cable	W000375141
2.5 mm Allen key	W000382326
Brush	W000382329
Standard graphite insert 90	W000382571
Narrow graphite insert 90°	W000382572
TIG Bond pad 90°	W000272348
Narrow TIG Bond pad 90°	W000272351
Brill Bomar solution	W000272347
Neutral Bomar solution	W000272038
Neutralizing solution Inox Fit 500 ml	W000274842
Operating manual	-

Optional:

Marking Kit including:	
Erosion white marking electrolyte 100 ml	W000382573
Black marking electrolyte 100 ml	W000272041
Graphite marking insert 35 mm	W000272039
Marking felts insert	W000272040

ACCESSORIES

HOSES

Classification
EN ISO 3824



Gas	Ø (mm)	Maximum pressure (bar)	Coil length (m)	Cat N°
Single hoses				
Acetylene	6.3 x 12	10	5	W000010055
Oxygen	6.3 x 12	10	5	W000010056
Acetylene	6.3 x 12	10	10	W000010081
Oxygen	6.3 x 12	10	10	W000010057
Acetylene	6.3 x 12	10	20	W000010058
Oxygen	6.3 x 12	10	20	W000010059
Acetylene	6.3 x 12	10	40	W000010060
Oxygen	6.3 x 12	10	40	W000010061
LPG*	6.3 x 12	10	20	W000010052
LPG*	6.3 x 12	10	40	W000010062
Acetylene	10 x 16	20	10	W000010064
Oxygen	10 x 16	20	10	W000010065
Acetylene	10 x 16	20	20	W000010066
Oxygen	10 x 16	20	20	W000010067
Acetylene	10 x 16	20	40	W000010068
Oxygen	10 x 16	20	40	W000010069
LPG	10 x 16	20	20	W000010053
LPG/Acetylene*	10 x 16	20	40	W000010071
Oxygen	8 x 14	20	50	W000010079
Acetylene	8 x 14	20	50	W000010080
Argon	6.3 x 12	10	40	W000010072
Argon	10 x 16	20	40	W000010073
Twin hoses				
TWIN (Oxygen - Acetylene)	6.3 x 12	10	20	W000010077
TWIN (Oxygen - Acetylene)	6.3 x 12	10	40	W000010063
TWIN (Oxygen - Acetylene)	8 x 14	20	50	W000010078
TWIN (Oxygen - Acetylene)	10 x 16	20	20	W000010054
TWIN (Oxygen - LPG)*	10 x 16	20	40	W000010076

* Propylene excluded

AUTOMATIC ROLLER FOR OXYGEN HOSES

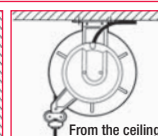
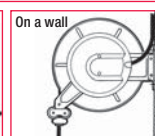
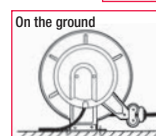
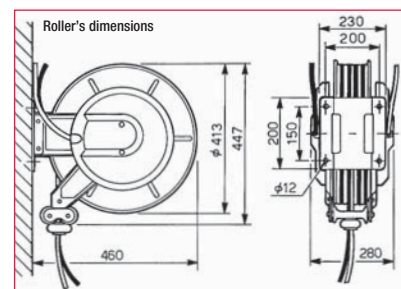
TUBEREEL



Automatic roller for twin hoses diameter 8 or 10 mm

- Allows the operator to choose the hose length suitable to his application
- Maximum length for inside diameter 8 mm: 20 m
- Maximum length for inside diameter 10 mm: 15 m
- Provided without hoses

Cat. nr: W000260575



Classification

ISO 7289
EN 561

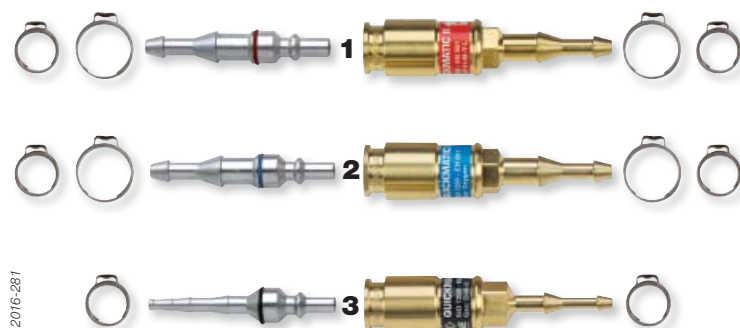
QUICK ACTION COUPLINGS

QUICKMATIC II

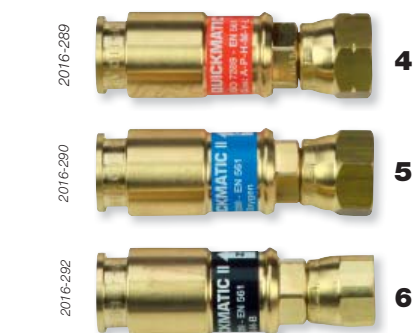
Quick action couplings with auto-close

- These couplings are available to fit to hoses or directly on to a regulator outlet.
- Providing a quick release coupling, the female side always been placed at the source side of the flow.
- Opening during use is possible. Closing once disconnected.
- Complies with the ISO 7289 - EN 561 standards.

Hose connection



Regulator connection



QUICKMATIC II	Ø hoses (mm)	Cat. nr female coupling	Cat. nr male coupling
1 - fuel gases	6 and 10	W000011002	W000011005
2 - oxygen	6 and 10	W000011001	W000011004
3 - neutral gases (argon...)	4	W000011003	W000011006

Also exists in kits:

Cat. nr: W000011015



Cat. nr: W000011016



Cat. nr: W000011017



QUICKMATIC II	Thread	Cat. nr female coupling	Cat. nr male coupling	Ø hoses (mm)
4 - fuel gases	M16x150L	W000011008	W000011005	6 and 10
	3/8»L	W000011011		
5 - oxygen	M16x150R	W000011007	W000011004	6 and 10
	3/8»R	W000011010		
	1/4»R	W000011009		
6 - neutral gases (argon...)	12x100R	W000011012	W000011006	4

CUTTING NOZZLES

G1 cutting nozzles and IC cutting nozzles

0327-033



G1 profile	Gauge (mm)	Cutting thickness (mm)	IC profile
Acetylene			Acetylene
W000262059	7/10	3-10	W000262089
W000262060	10/10	10-25	W000262091
W000262061	12/10	25-50	W000262093
W000262062	16/10	50-80	W000262094
W000262063	20/10	80-120	W000262095
W000262064	25/10	120-200	W000262096
W000262065	30/10	200-300	W000262097



0327-031

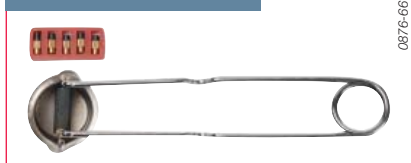
G1 profile	Gauge (mm)	Cutting thickness (mm)	IC profile
Propane/ Natural gas			Propane/ Natural gas
W000262066	7/10	3-10	W000262098
W000262067	10/10	10-25	W000262099
W000262068	12/10	25-50	W000262100
W000262069	16/10	50-80	W000262101
W000262070	20/10	80-120	W000262102
W000262071	25/10	120-200	W000262105
W000262072	30/10	200-300	W000262106

ACCESSORIES

OTHER FLAME

Spark lighter

Cat. nr: W000010978



Traditional tool with five renewal flints.

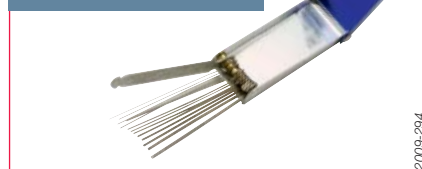
Cat. nr: W000211924



Gun model with ten renewal flints.

Tip cleaners

Cat. nr: W000290900



Used to clean welding and cutting nozzles to restore nozzle performance. Contains a range of round needle files in a metal carry case.

PROTECFLAM

Heat shield protection for walls and floors during gas welding, brazing or soldering.

PROTECFLAM

Single use
200 x 250 mm

Cat. nr: W000271449

Blister pack of 3 shields



PROTECFLAM TECH

Very flexible (memory effect)
Long life duration
Both sides usable
200 x 250 mm

Cat. nr: W000276078

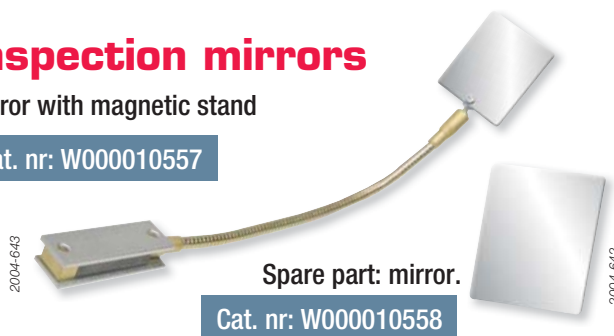
Pack of 20 shields



Inspection mirrors

Mirror with magnetic stand

Cat. nr: W000010557



Spare part: mirror.

Cat. nr: W000010558

Circular telescopic mirror



Cat. nr: W000273291

For all angle viewing. Fast and accurate visual inspection of hidden areas with an almost limitless number of positions.

LEAKAGE CONTROL

BUBBLE

A high-return product for leak detection suitable for all gases except high pressure oxygen > 150 bars.

- Volume: 400 ml (net)
650 ml (nominal)
- Propellant gas: nitrogen
- Base: water

Cat. nr: W000010963



REACH
Ready

1000 BULLES

A leakage controller suitable for all gases.

- Volume: 400 ml (net)
650 ml (nominal)
- Propellant gas: nitrogen protoxyde
- Base: lauryether natrium sulfate

Cat. nr: W000011090



HEAT PROTECTION

THERMISHIELD

Heat shield gel

- It is designed to stop heat from travelling through most metals during welding, brazing or soldering.
- It prevents from distortion of metals and even plastics caused by the heat of a welding torch.
- Volume: 500 ml

Cat. nr: W000274839



CUTTING AND GRINDING DISKS

Classification
EN 12413
EN 13743

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 PRO

Top quality cutting disks for professional

A range of high quality product providing an ideal balance between performance and life duration.

Dimension	Shape	Use	Specification*	Unit / box	Catalogue nr
115 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261930
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
180 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261934
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 3.2 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

- Extra thin wheels providing a fast and economical cutting performance on steel and stainless steel
- Extra long product life
- High cutting speed
- Specially efficient on steel bars, pipes, sheets or shaped sections
- No need to eliminate burr after cutting
- Less material waste

Same quality with depressed center

- Hard cutting disks for structural steel.
- Long life duration
- Iron and structural steel cutting



2007-111

DUCTIFLEX

A grinding range for standard structural steel

Dimension	Shape	Use	Specification*	Unit / box	Catalogue nr
115 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261945
125 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261946
180 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261947
230 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261948

Grinding applications



2007-108

DUCTIFLAP

Abrasive flap disks

These disks are made by cutting abrasive fabrics, then cutting as flaps and bonding them on a fiberglass or nylon backing plate by an adhesive.

Pumicing applications

Dimension	Grit	Unit / box	Shape	
			15 % conical for fiberglass backing	Flat for nylon backing
115 x 22 mm	40	10	W000264532	W000273754
	60	10	W000264533	W000273759
125 x 22 mm	40	10	W000264535	W000273757
	80	10	W000335008	W000273755



2009-010

ACCESSORIES

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.

As you look at the products, consider these core common features of each tool:

- Complete on/off control
- Super strong - does the big work
- Precise placement/no fighting magnets
- Holds strong on thin steel

MAGSWITCH is indeed technology that «changes the way things are done».

Name	Dimension (mm)			Weight (kg)	Hold on thick steel (kg)	Welding current (A)	Feature & benefit	Cat. nr
	H	W	D					
Magnetic ground clamp 300	155	104	67	0.3	40	300 A	Quickly set up	W000373781
Magnetic ground clamp 600	180	155	77	0.8	89	600 A		W000373782
Mini Multi Angle	76	76	32	0.18	40	N/A	Incredible strong	W000373783
Mini Multi Angle/300A ground	95	89	44	0.36	67	300 A		W000373784
Muti Angle 400 Mag-Vise	221	193	81	1.13	178	N/A	Super strong hold all slides	W000373785
Multi Angle 1000 Mag-Vise	160	200	125	4.25	446	N/A		W000373786
Mag Square 150	169	96	53	0.3	67	N/A	Positioning with incredible strong	W000373787
Mag Square 600	215	190	80	1.5	268	N/A		W000373788
Pivot Angle 200	250	180	65	1.72	90	N/A	From 22 to 270 degrees	W000373789
Hand Lifter 60 m Manual	260	180	100	0.64	27	N/A	For sheet dragging or small steel handing works	W000373790
Hand Lifter 60 CE, Cordless electric	254	178	102	1.45	27	N/A	For removing parts from cutting tables	W000373791



Magnetic ground clamp 300

2012-602

Magnetic ground clamp 600



2012-602



Mini Multi Angle

2012-603

Mini Multi Angle/300A ground



2012-603

Muti Angle 400 Mag-Vise



2012-604

Multi Angle 1000 Mag-Vise



2012-604

Mag Square 150



2012-605

Mag Square 600



2012-605

Pivot Angle 200



2012-606

Hand Lifter 60 m Manual



2012-607

Hand Lifter 60 CE, Cordless electric



2012-608

HEAD AND EYES PROTECTION

FG HAND



2011-483

FG HELMET



2007-832

FG HELMET (FLIP-UP WINDOW)



2011-477

Passive handshields

Delivered without glass.

Classification
CE EN 175

Designation	Material	Weight (without glass)	Features	Cat. nr
Hand FG	Polyester reinforced fibreglass	424 g	Excellent resistance. Window 105 x 50 mm.	W000372272
			Excellent resistance. Window 110 x 90 mm.	W000372273

Passive helmets FG

Heavy duty solutions (up to 400 °C).

Delivered with Adjustable headgear "B" and without glass.

Designation	Material	Weight (without glass)	Features	Cat. nr
FG Helmet	Reinforced fibreglass	414 g	Window 105 x 50 mm	W000011103
			Window 110 x 90 mm	W000011104
FG HELMET (flip-up window)	Reinforced fibreglass	574 g	Flip-up window 105 x 50 mm	W000372271



2014-563

MULTI FLIP-UP

Passive helmet MULTI FLIP-UP

Light weight welding helmet with optimal use /comfort.

Long lifetime, headgear with rack, rugged.

Designation	Material	Weight (without glass)	Features	Cat. nr
MULTI FLIP-UP	Heat-resistant material	600 g	Flip-up window 105 x 50 mm Shade 10 glass included	W000010804

HEAD AND EYES PROTECTION

WELDLUX Helmet

Extra wide vision 114 x 133 mm
with passive glass GOLDEN PROTANE® shade 11

The GOLDEN PROTANE® filter with a gold mirror coating reflects an additional 90% of the infrared radiation and reduces the amount of heat to which the eyes are exposed:

- Enveloping profile providing excellent throat and neck protection
- Fibreglass reinforced polyester
- Heat (170 °C) and humidity resistant
- Headgear with rack, rugged and very comfortable
- Delivered with headgear and glass
- Very light weight: 390 gr

Designation	Cat. nr
WELDLUX Helmet	W000335131

Classification
CE EN 175 CE EN 169



**WELDLUX
HELMET**

0947-075R

ADJUSTABLE HEADGEAR «B»



2007-817

ADJUSTABLE HEADGEAR «C»



2007-818

SWEAT BAND



1909-060

Accessories for helmets

Designation	Features	Cat. nr
Adjustable headgear «B»	For FG and TP helmets	W000010884
Adjustable headgear «C»	For WELDLUX helmet	W000335158
Sweat band	Foam band (10 pieces pack)	W000260486
Leather protection for neck	<ul style="list-style-type: none"> • Grain leather • Flaxtion with adhesive band • Protection of the neck against arc radiation 	W000335139



1198-022

LEATHER PROTECTION FOR NECK

Leather helmet

Helmets in leather for welding operations in difficult access place, dedicated for short time applications and for control. Delivered with 105x50 mm shade 11 glass.

Designation	Weight (without glass)	Features	Cat. nr
Folding leather helmet	120 g	Grain leather. Folding model, ideal for supervisors	W000011115
Flip-up leather helmet	250 g	<ul style="list-style-type: none"> • Adjustable headgear • Comfort foam at the forehead and chin levels • Delivered two CR39 protection screen 	W000011135



2010-702

FOLDING LEATHER HELMET



0254-055

FLIP-UP LEATHER HELMET

AUTODARKENING LCD HELMETS

WELDCAP

NEW
2016 PRODUCTS

Welding has never been so comfortable.

FEATURES & BENEFITS

- **Revolutionary wear comfort**
WELDCAP® brings together the comfort of a cap and the advantages of a welding helmet
- **Very easy to take on and off**
- **Improving welders' performance and safety**
The optical unit WELDCAP increases the lateral and the horizontal fields of vision

- **Utmost protection and multi-purpose use**
- **Increased protection**
The WELDCAP® BUMP version with an additional ergonomic protection offers increased protection

Helmet classification
CE EN 175
LCD unit classification
CE EN 379

WARRANTY
2
YEARS

Protection device of the
WELDCAP® BUMP



ULTRA LIGHTWEIGHT



AUTODARKENING LCD HELMETS

GOLDENARK

NEW
2016 PRODUCTS

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

Standard
EN 175
EN 379
EN 166



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 4/9-13
 - 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)

WELDCAP	Features	GOLDENARK
All electric arc welding processes. All thermal cutting processes. Grinding.	Applications	All electric arc welding processes. All thermal cutting processes. Grinding (external button)
1 / 1 / 2 / 2	Optical class according EN 379	1/1/1/2
1	Number of captors	4
UV/IR permanent	Protection	UV/IR permanent
DIN 3	Shade (clear) (grinding)	DIN 4
Variable DIN 9 to DIN 12	Shade (dark)	Variable DIN 9 to DIN 13
0.16 ms at room temperature - 0.11 ms at 55 °C	Switching time - clear to dark	0.05 ms
0.3 s	Switching time - dark to clear	Variable from 0.1 to 1.0 s
400 g	Weight	650 g
2 lithium batteries 3 V exchangeable (CR2032)	Power supply	2 lithium batteries 3 V exchangeable (CR2450 Li)

To order:

WELDCAP®	W000385154
WELDCAP® BUMP	W000385155

To order:

GOLDENARK	W000386519
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AUTODARKENING LCD HELMETS

CHAMELEON 4 V+

Every processes - Special for TIG

- Variable shade DIN 4/9-13
- Field of view 97 x 47 mm
- Switching time clear-dark: **0,05 ms**
- Power supply: solar cells + 2 lithium batteries
- 3 independent optical high sensitivity sensors

Cat. nr: W000372475

WARRANTY
2
YEARS

2011-518



NEW
External button
for grinding mode



2011-439

CHAMELEON 3 VO

Every processes - Special MMA and MI/MAG

- Variable shade DIN 4/9-13
- Field of view 97 x 40 mm
- Switching time clear-dark: **0,06 ms**
- Power supply: solar cells + 2 alkaline batteries
- 2 independent optical sensors

Cat. nr: W000276910

WARRANTY
1
YEAR

2010-404



CITOLUXE ADVANCE

FEATURES & BENEFITS

- Every welding process
- Extra large viewing area 97 x 60 mm
- Switching time clear to dark: **0,05 ms**
- 4 independent optical sensors for optimal detection including position welding
- Power supply: solar cells + 2 alkaline batteries

W000372474 - CITOLUXE with 4500 cell

WARRANTY
2
YEARS



Classification

CE EN 175
CE EN 379

2007-855

Auto-start

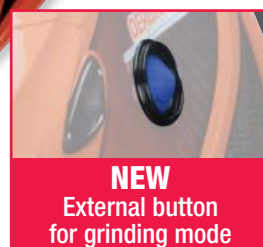


2011-487

Infotrack system:
provides useful information
(current time - total welding
time - alarm - temperature)

**4500 cell: top of the range
solution for all your applications**

- Variable shade **DIN 4/5-13**
- 4 modes settings per digital key:
 - welding: shade 4/9-13
 - 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 when it's sense the welding current)



NEW
External button
for grinding mode

AUTODARKENING LCD HELMETS WITH AIR FLOW SYSTEM

ZEPHYR / FLIP'AIR

The ultimate welder protection

FEATURES & BENEFITS

- With the ZEPHYR/FLIP'AIR solution, you will find in a rugged carry bag:
 - The ZEPHYR or FLIP'AIR helmet,
 - The ZEPHYR 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**
- Lithium battery with a 8-hour lifetime duration (160 l/min +/- 5%)
- Lateral or vertical air flow
- FLIP'AIR with flip-up system for large view grinding

Helmet with powered and filtered airflow

ZEPHYR

WARRANTY
2
YEARS

Classification

CE EN 175
CE EN 379
CE EN 12 941 TH2

NEW
External button for grinding mode

FLIP'AIR

Complete package (helmet + airflow system)

ZEPHYR 3200: W000372466

FLIP'AIR4500i: W000372470

4500 & 4500i cells
Top of the range solution

2 years warranty on the air flow system



4500 or 4500i cell



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
2016 PRODUCTS



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%)

To order:

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



GOGGLES / SPECTACLES

EN 175

Except **PILOT 1**:
EN 175 and EN 166

Goggles and masks for welding applications (coloured)

CLASSIC WELDING

- Anti-scratch surface
- Nylon frame and side shields
- Changeable polycarbonate lenses
- Central screw for quick lens replacement
- Weight: 35 g



2005-257

CLASSIC OVER WELDING

- Over spectacles
- Polycarbonate
- Lateral protection
- Protection against high-speed particles - low energy
- Protection against high-speed particles at extreme temperatures
- Resistance to surface damage by fine particles
- Weight: 37 g



2015-025

PILOT 1

- One piece soft black PVC frame allowing quick lens replacement
- Elastic headband
- Aerated side covers honeycombed casing for good ventilation and to prevent from lens dimming
- Weight: 60 g



0947-89

PILOT 2 PLASTIC

- Double cup black plastic frame with nose bridge adjustment
- Side ventilation value
- Adjustable elastic headband
- Weight: 65 g



2005-253

PILOT FLIP UP

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



2005-254

FASHION WELDING

- 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



2015-023

Goggles and masks for protection (clear glass)

EN 166

CLASSIC VISIT CLEAR

- Anti-scratch surface
- Nylon frame and side shields
- Changeable polycarbonate lenses
- Central screw for quick lens replacement
- Weight: 35 g



2005-259

PILOT 1 PLASTIC

- One piece soft black PVC frame allowing quick lens replacement
- Aerated side covers honeycombed casing for good ventilation and to prevent from lens dimming
- Elastic headband
- Weight: 60 g



2008-755

FASHION VISIT

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



2008-251

CLASSIC OVER VISIT

- Panoramic spectacles also usable as over spectacles
- Polycarbonate lens and frame
- Protection against high-speed particles - low energy
- Protection against high-speed particles at extreme temperatures
- Resistance to surface damage by fine particles
- Weight: 37 g



2015-024

Designation	Shade	Cat. nr
CLASSIC WELDING	5	W000011055
CLASSIC OVER WELDING	5	W000383506
PILOT 1	5	W000011047
	6	W000011048
PILOT 2 PLASTIC	5	W000011052
PILOT FLIP UP	5	W000011046
FASHION WELDING	5	W000383505
CLASSIC VISIT CLEAR	Clear	W000011057
PILOT 1 PLASTIC	Clear	W000011049
FASHION VISIT	Clear	W000011062
CLASSIC OVER VISIT	Clear	W000383507

WELDING GLASSES

WELDGLASS

Choose the lens shade adapted to your working conditions



EN 166:
Clear glasses
EN 169:
Coloured glasses

Current (A)	Coated electrodes	MIG Heavy metals	MIG Light alloy	MAG	TIG	Gouging	PLASMA Cutting	PLASMA Welding
1								
2,5								6
5					8			7
10					9			8
20	8				10			9
30	9				11			10
40	10				12			11
60	11				13		11	12
80	12				14		12	13
100	13				15		13	14
150	14							15
175								
200								
225								
250								
300								
350								
400								
450								
500								

Filtering coloured, GOLDEN protane® and circular glasses **EN 169 / EN 166**

Shade	105 x 50 mm		105 x 50 mm Golden	110 x 90 mm		133 x 114 mm Golden	105 x 32 mm	Circular glasses D50 mm	
	100 pieces	5 pieces	5 pieces	100 pieces	5 pieces	5 pieces	5 pieces	100 pieces	10 pieces
5	W000010915	W000335009	-	W000010927	W000335035	-	W000335072	W000010925	W000335085
6	W000010916	W000335010	-	W000010928	W000335036	-	W000335073	W000010937	W000335086
7	W000010917	W000335011	-	W000010929	W000335037	-	W000335074	W000010949	W000335087
8	W000010918	W000335012	-	W000010930	W000335038	-	W000335075	-	W000335088
9	W000010919	W000335013	W000335025	W000010931	W000335039	W000335063	W000335076	-	-
10	W000010920	W000335014	W000335026	W000010932	W000335040	W000335064	W000335077	-	-
11	W000010921	W000335015	W000335027	W000010933	W000335041	W000335065	W000335078	-	-
12	W000010922	W000335016	W000335028	W000010934	W000335042	W000335066	W000335079	-	-
13	W000010923	W000335017	W000335029	W000010935	W000335043	W000335067	W000335080	-	-
14	W000010924	-	W000335030	W000010936	-	W000335068	-	-	-

Clear glass **EN 166**

Pour d'autres dimensions de verres, nous consulter

105 x 50 mm		110 x 90 mm		135 x 115 mm	105 x 32 mm	Circular glasses D50 mm
100 pieces	5 pieces	100 pieces	5 pieces	5 pieces	5 pieces	100 pieces
W000010926	W000335018	W000010938	W000335044	W000335069	W000335081	W000010979

Protection plate CR-39® **EN 166**

105 x 50 mm		110 x 90 mm		135 x 115 mm		105 x 32 mm	
150 pieces	5 pieces	150 pieces	5 pieces	150 pieces	5 pieces	150 pieces	5 pieces
W000335019	W000335020	W000335045	W000335046	W000335070	W000335071	W000335082	W000335083

Magnifying glass **EN 166**

105 x 50 mm			
Diopter	+ 1,0	+ 1,5	+ 2,0
	W000335031	W000335032	W000335033
			W000335034

5 pieces pack. These magnifying glass (dimension 105x50 mm) have to be used with coloured filters. Can be mounted on passive masks or helmets. It can fit also LCD autodarkening helmets.

PERSONAL PROTECTIVE EQUIPMENT



LEATHER PERSONAL PROTECTION EQUIPMENT

Classification
EN 340 - EN 11611



Welding Aprons

Designation		Features	Cat. nr
Split leather apron	90 x 60 cm	Protective welding apron in premium grade leather tanned with chromium salts (mineral substances), Leather strap with quick release clips to the waist and flap	W000010586
	110 x 80 cm		W000010587
Grain leather apron	110 x 80 cm		W000010588



Split leather apron



Grain leather apron



Split leather jacket



Grain leather jacket. Half-back fireproofed cotton



Welding Jackets

Designation		Features	Cat. nr
Split leather jacket	XL/78 cm	<ul style="list-style-type: none"> Premium grade split leather tanned with chromium salts (mineral substances) The jacket fastens to the front with an overlap of leather and Velcro for additional protection against spatter, the inner neck been of double cotton for comfort Tightening elastic to the wrists 	W000010594
	XXL/78 cm		W000010595
Grain leather jacket. Half-back fireproofed cotton	XL/78 cm	<ul style="list-style-type: none"> Premium grade grain leather tanned with chromium salts (mineral substances) Half of the back be made from flame retardant cotton ensuring a light, flexible jacket The jacket fastens to the front with an overlap of leather and Velcro for additional protection against spatter, the inner neck been of double cotton for comfort Tightening elastic to the wrists 	W000010596
	XXL/78 cm		W000010598

PROTECTIVE CLOTHES

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.

NEW FIBER
Modacrylic

JACKET

OVERALL

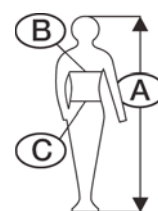
TROUSERS

COAT



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

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

Size	TROUSERS	JACKET	OVERALL	COAT	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	-

WELDING SHOES

Classification
EN ISO 20345

SUPER FORJA METAL FREE

- The best performance at reasonable price, always complying with all technical requirements and the toughest quality control
- Extra thick, anti-sparkling and waterproof leather
- Tough, agile, comfortable and secure
- Ergonomic last and shock absorber sole
- Ant-static insole
- Very lightweight, resistant and durable
- Padded anti-friction collar
- Extra breathable and resistant lining



Size	Cat. nr
36	W000376200*
37	W000376201*
38	W000376202*
39	W000376203*
40	W000376204
41	W000376206

* On demand

Size	Cat. nr
42	W000376215
43	W000376216
44	W000376217
45	W000376218
46	W000376219*
47	W000376220*
48	W000376221*

Safety level	Toe protection	Antipuncture plate	Outsole	Upper
S3	Plastic	Non metallic	PU/PU	Full-grain leather

HANDS PROTECTION

Classification
EN 420



Welding gloves for MMA & MIG/MAG processes

LONG BASIC

Natural split leather

American cut with webbed thumb.

- Palm and thumb in natural split leather to protect from the heat.
- Reinforcement in split leather of the seams on top of the thumb and the base of the finger backs.
- Cuff in natural split leather, length 150 mm (+/- 5 mm) and a thickness of 1.3 mm.
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm.
- Seams in para-aramide wire (flame retardant and projectile resistant).



UNIVERSEL

Palm index finger and inner of the thumb in natural grain leather for high protection and extra sensitivity

- Reinforcement in grain leather of the seams on top of the thumb and on the base of the finger backs.
- Glove rear and cuff are made of natural split leather, length 150 mm (+/- 5 mm) and a thickness of 1.3 mm.
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm.
- Do not use to handle objects over 50 °C.



LONG BASIC +

Reinforcement by blue split leather for long lasting

- Reinforcement of the blue split leather glove for added protection of the palm thumb and index finger.
- Reinforcement in split leather of the seams on top of the thumb and on the base of the finger backs.
- Cuff in natural split leather, length 150 mm (+/- 5 mm) and a thickness of 1.3 mm.
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm
- Handling of component parts not exceeding 100 °C.



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.



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.



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.



Classification
EN 12 477A

Size Cat. nr
10 W000382261

Classification
EN 12 477A

Size Cat. nr
10 W000010420

TIG welding process

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.



Protection and handling

DOCKER

- Palm in grain leather.
- Cotton back.
- Fabric cuff.
- Elastic tightening glove back.



COLLECTIVE SHOP PROTECTION

WELDING STRIPS



ANTI IR/UV
PROTECTION
SELF
EXTINGUISHABLE

	Thick- ness	Shade	Height	Cat. nr
300 mm width kit of 4 punched strips	2 mm	Orange CE	1 800 mm	W000010333
	2 mm	Green T9	1 800 mm	W000010335

Classification
EN 1598

Strip's hook (kit of 11 pieces)

Width 200 mm, for 33.7 mm pipes,
(usable for 32 mm)

Cat. nr: W000010459



Ring (kit of 10 pieces)

For an 33 % overlap,
between two handing hooks.



Cat. nr: W000010460

WELDING CURTAINS

- To prevent from ripping or tearing of the material, the four sides have been hemmed
- Made from PVC with a thickness of 0.4 mm (0.5 mm for the Green S9)
- They are supplied with 7 eyelets across the width completed with 7 metal hanging rings
- The curtains can be joined by the snap fasteners fitted on the height side



1026-07

Shade	Application	Dimensions height x width	Cat. nr
Orange CE	Flame and low amperage arc welding	1 400 x 1 400 mm	W000010354
		1 600 x 1 400 mm	W000010355
		1 800 x 1 400 mm	W000010356
		2 000 x 1 400 mm	W000010357
Green T6	Flame and low amperage arc welding	1 400 x 1 400 mm	W000010350
		1 600 x 1 400 mm	W000010351
		1 800 x 1 400 mm	W000010352
		2 000 x 1 400 mm	W000010353
Green T9	MMA and MIG/ MAG high ampe- rage arc welding	1 400 x 1 400 mm	W000010358
		1 600 x 1 400 mm	W000010359
		1 800 x 1 400 mm	W000010360
		2 000 x 1 400 mm	W000010361



Classification
EN 1598

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



0823-16



Rotating foot
for creation of booth

Designation	Complete screen (frame+curtain)	
	Width 1 750 mm	Height 2 000 mm
Orange CE	W000010365	
Green T6	W000010363	
Green T9	W000010364	

Classification
EN 1598

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	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
Orange CE	W000010292
Green T9	W000010291



Classification
EN 1598

0823-23

CURTAINS AND HEAT RESISTANT FABRICS

Glass fiber 2 sided polyurethane.

MO certificate

Fire proof

VULCAIN BLANKET

■ Temperature - Peak: 600 °C / Continuous: 550 °C

■ Horizontal and vertical light welding, cutting and grinding applications

■ Thickness: 0,7 mm

■ Weight: 710 g/m²



Dimensions H x L	Cat. nr
2 000 x 1 000 mm	W000010319
2 000 x 2 000 mm	W000010320
3 000 x 2 000 mm	W000010321
3 000 x 3 000 mm	W000010322
4 000 x 3 000 mm	W000010323
4 000 x 4 000 mm	W000010324



2009-254

ETNA BLANKET



2009-263

■ Temperature: Peak: 900 °C / Continuous: 750 °C

■ Horizontal and vertical heavy duty welding and grinding applications

■ Thickness: 1,6 mm

■ Weight: 1 100 g/m²



Dimensions H x L	Cat. nr
1 000 x 1 000 mm	W000010325
2 000 x 1 000 mm	W000010326
2 000 x 2 000 mm	W000010327
3 000 x 2 000 mm	W000010328
3 000 x 3 000 mm	W000010329
4 000 x 3 000 mm	W000010330

VULCAIN CURTAIN



2009-260

Curtain delivered with 7 suspension metallic hooks and a velcro band for joining 2 pieces.

■ Temperature - Peak: 600 °C / Continuous: 550 °C

■ Welding, cutting and grinding applications

■ Thickness: 0,7 mm

■ Weight: 710 g/m²

Dimensions H x L	Cat. nr
1 600 x 1 500 mm	W000010316
1 800 x 1 500 mm	W000010317
2 000 x 1 500 mm	W000010318

FUME EXTRACTION

WST2 fume extraction torches

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).

Classification
WST2 torches
are compliant to EN 60974-7
and to french INRS
1st July 2015 regulation.



Technical characteristics:

		AIR			WATER		
		WST2 - 2R	WST2 - 3R	WST2 - 4R	WST2 - 3W	WST2 - 4W	WST2 - 5W
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

Captation minimal performances

For speed 0.25 m/s	Flowrate m³/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 m³/h	87	113	113	113	108	113
	Suction Pa	13 100	16 300	16 300	16 500	16 300	16 500

To order WST2:

AIR

Description	Reference
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

WATER

Description	Reference
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
	4M W000381908
	5M W000381909
WST2 5W LN * (Extended nozzle)	3M Consult us
	4M Consult us
	5M Consult us

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).

* Double cooling circuit: Air Liquide Welding patent.

Option:

Transformation kit of a standard torch to a DUALFLOW version: W000385157

To order WST2 DUALFLOW:

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 Air Liquide Welding.

AIR

Description	Reference
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

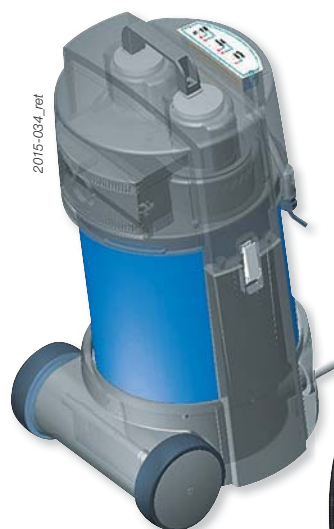
Description	Reference
WST2 - 3W 300 A @ 100%	3M W000384977
	4M W000384978
	5M W000384979
WST2 - 4W 360 A @ 100%	3M W000384980
	4M W000384981
	5M W000384982
WST2 - 5W *	3M W000384983
	4M W000384984
	5M W000384985

* Double cooling circuit: Air Liquide Welding patent.

COLLECTION UNITS FOR USE WITH THE SUCTION TORCHES

Classification
CE

PHV 25



Cat. nr: W000340023

- Single-phase unit with filtration for maintenance and light work
- Two 1000-watt motors
- 230 m³/h max. with 22,000 Pa maximum suction
- Controlled by the welding current



Dedicated for all dry non explosive dusts

MODULO HV 35



Also available in DUALFLOW version

- Three-phase industrial unit with filtration as an option for heavy-duty use
- Two motor power ratings: 1.5 and 2.2 kW
- 250 m³/h max. with 22,000 Pa maximum suction
- 310 m³/h max. with 30,000 Pa maximum suction
- Controlled by the welding current

Cat. nr: W000340019

Option	Cat. nr
Cartridge filter:	W000340608

ESSENTIAL TE35

- 400 V - 3 phase turbine ensuring for 1 or 2 torches a suction of a flow from 80 to 135 m³/h
- Integrated metal pre-filter
- Provided with an arc detection sensor
- Maximum flow 310 m³/h, maximum vacuum 30 000 Pa
- Mounting of this unit is done vertically, placed on the ground, horizontally or fixed on the wall through the rear plate of the turbine
- Motor 3 kW, weight 51 kg

Cat. nr: W000278334



SUCTION TABLE

ASM WELDING / GRINDING TABLES

- Metallic pre-filter under the worktop in metallic grating
- Dusts collection hopper with a drum
- Fumes and dusts are collected through the worktop and the side panels (height 500 mm)
- Table 1 200 x 800 mm: dimensions of the worktop 1 070 x 740 mm
- Table 2 000 x 800 mm: dimensions of the worktop 1 870 x 740 mm
- Maximum load 200 kg
- Height of the worktop 920 mm
- Table to be connected to a single fan or to a centralised network collector



ASM table	Cat. nr
1 200 x 800 mm	W000342583
2 000 x 800 mm	W000342584

FUME EXTRACTION

FUME EXTRACTION

Classification
CE

This unit does not filter the gas. It must be used in an open space.



2012-291

MOBIFILTER 50M (mobile unit)

- Motor power: 750 W
- Fan flow: 2400 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: 1200 m³/h

Designation	Supply	Cat. nr
MOBIFILTER 50M	230V - single phase 50 Hz	W000371997
	230V - three phase 50 Hz	W000371998
	400V - three phase 50 Hz	W000371999

Designation	Long	Cat. nr
EASY PICKFUME arm	3 m	W000372020
	4 m	W000372022

Designation	Long	Cat. nr
PICKFUME arm	3 m	W000372010
	4 m	W000371987

Options	Cat. nr
Lamp + auto start	W000341024

Extraction and filtration of dry welding fumes during intensive works.

ARTICULATED WALL MOUNTED SUCTION ARM PICKFUME 3 or 4 meters

- Ø 203 mm articulated suction arm with hood
- Air flow at the nozzle: 1 200 m³/h
- Balancing system EASYLIFT
- FAN 28 - 400 V x 3Ph - 750 W
- Wall mounting support
- On/Off disconnecter box

Extraction of dry welding fumes and dusts



2011-390

2012-289

2012-290

Kit* 400 V - threephase	Cat. nr
3 meters arm	W000342863
4 meters arm	W000342864

* kit comprising the PICKFUME arm + the FAN 28 fan + wall mounting support + disconnecter

ARTICULATED WALL MOUNTED SUCTION ARM EASYPICKFUME 3 or 4 meters

- Ø 203 mm with hood ROTAHOOD 360°
- Balancing system BALANCE WHEEL
- FAN 28 400 V x 3Ph - 750 W
- Wall mounting support
- On/Off disconnecter box



2011-390

Kit* 400 V - threephase	Cat. nr
3 meters arm	W000342861
4 meters arm	W000342862

* kit comprising the EASYPICKFUME arm + the FAN 28 fan + wall mounting support + disconnecter

AUTOMATIC STANDARD PRODUCT



AUTOMATION POSITIONER

POSITIONER: 100 kg to 3 tons



POSIMATIC P1E

100 kg at 175 mm from the plate



POSIMATIC P2E

200 kg at 130 mm from the plate



POSIMATIC PS03

300 kg at 253 mm from the plate



POSIMATIC PS08

800 kg at 202 mm from the plate



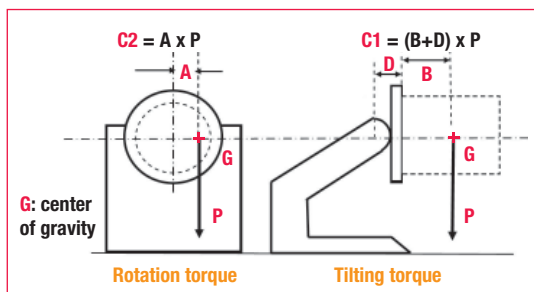
POSIMATIC PS15

1500 kg at 216 mm from the plate



POSIMATIC PS30

3000 kg at 211 mm from the plate



Name	Load all positions kg	Tilt torque m.kg (C1)	Rotation torque m.kg (C2)	Rotation speed tr/min	Turntable height mm	Remote control or pedal	Plate dimension	Axis-plate distance mm (D)	Cat. nr
P1E	100	25	2	0.2 to 5	385	Pedal	Ø 300	75	W000315254
P2E	200	40	4	0.25 to 5	500	Pedal	Ø 400	70	W000315256
PS03	300	100	35	0.2 to 3	660	RC + Pedal	Ø 600	80	W000385391
PS08	800	280	120	0.16 to 2.4	848	RC + Pedal	Ø 800	148	W000385392
PS15	1500	550	225	0.14 to 1.8	1051	RC + Pedal	Ø 1000	151	W000385393
PS30	3000	1300	450	0.1 to 1.5	1222	RC + Pedal	Ø 1200	222	W000385394

AUTOMATIC STANDARD PRODUCT

AUTOMATION POSITIONER

POSITIONER: Heavy load

TPS 60 et TPS 180

- Affichage de la vitesse de rotation
- Soudage avec 1 ou 2 torches
- Cycle manuel ou automatique
- 1 tour + recouvrement
- Retard au démarrage
- Mode sélection 2T / 4 T
- Inclinaison manuelle du plateau
- Alimentation 230 VAC

TPS 60

Charge toutes positions 60 kg.

Désignation	Pour commander
TPS 60	W000382332

Options:

Support de torche	W000382334
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TPS 180

Charge toutes positions 180 kg.

Désignation	Pour commander
TPS 180	W000382333

Options:

Support de torche	W000382334
Contrainte, course 100 mm	W000382335



POSIMATIC conventional TP range. From 4 tons to 30 tons



CONSULT US

POSIMATIC 3 axes with lifting TPE range. 1.5 tons and more



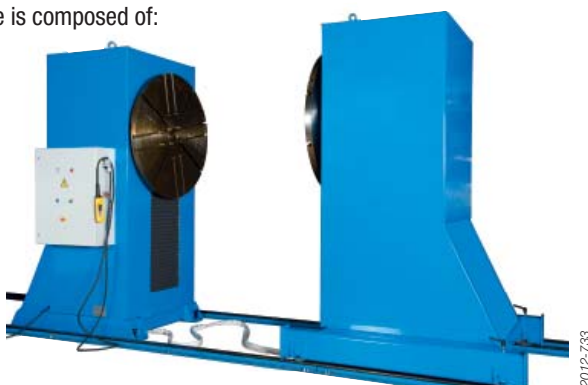
CONSULT US

HL RANGE

HL RANGE with synchronized lifting movement for manual manipulation or integrated on machine.

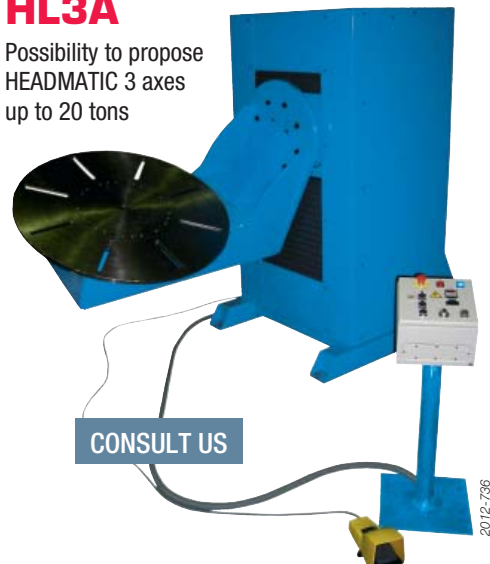
The HL machine is composed of:

- HLM: motorized headstock
- HLF: idler headstock.



Special HEADMATIC 3 axes: HL3A

Possibility to propose HEADMATIC 3 axes up to 20 tons



CONSULT US

Designation	Load capacity kg	Rotation torque m.kg (C1)	Rotation speed tr/min	Cat. nr
HLM+F 2x1.5	3000	250	0.1 to 1	CONSULT US
HLM+F 2x4	8000	500	0.1 to 1	
HLM+F 2x6	12000	720	0.1 to 1	
HLM+F 2x8	16000	960	0.1 to 1	
HLM+F 2x10	20000	1200	0.1 to 1	
HLM+F 2x16	32000	1900	0.1 to 1	

We can propose the HLM without the idler headstock and the load capacity is half of the HLM+F load capacity.

AUTOMATIC STANDARD PRODUCT



AUTOMATION ROTATOR

ROTAMATIC: 2 tons to 30 tons

- Single powered (one drive roller) for small unbalance work piece.
- Double powered (two drive rollers) for work pieces having significant unbalance.
- Roller-to-roller center distance adjusting by screw (except for ST 2: by step).

ROTAMATIC 2T



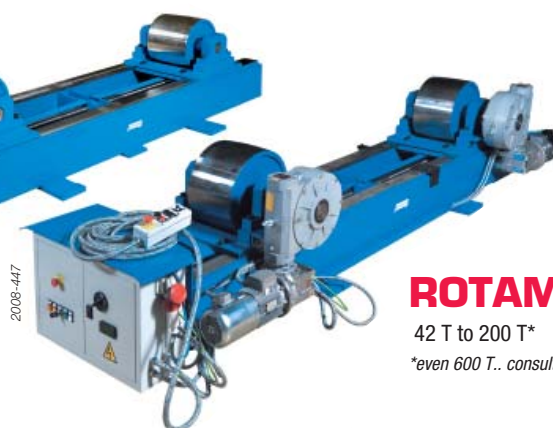
ROTAMATIC 6T



ROTAMATIC LP

42 T to 200 T*

*even 600 T.. consult us



ROTAMATIC 15T



ROTAMATIC 30T



Several options available as steel rollers, lorry... Other load capacity on request

Designation ROTAMATIC:		Cat. nr	Load capacity (1 drive + 1 idler) kg	Load capacity per section kg	Shell diameter mm	Peripheral speed cm/min	Wheel dimension OD x width mm	Wheel material
ST 2	MT	W000315290	2000	1000	30 to 2500	12 to 120	Ø 150 x 50	Polyurethane
	M	W000315289						
	W	W000315288						Polyamide
	F	W000315291						
ST 6	M	W000315297	6000	3000	300 to 3500	12 to 120	Ø 250 x 75	Polyurethane
	W	W000315296						
	F	W000315298						
ST 15	M	W000315304	15000	7500	300 to 4000	12 to 120	Ø 250 x 110	Polyurethane
	W	W000315303						
	F	W000315305						
ST 30	W	W000315309	30000	15000	350 to 4500	12 to 120	Ø 350 x 150	Polyurethane
	F	W000315310						

Keys: M = Single motorisation - W = Double motorisation - F = Idler roller - MT = Single motorisation with tube system

AUTOMATIC STANDARD PRODUCT

AUTOMATION CARRIAGE

Carriages for MIG/MAG welding



2012-196




2006-509



2012-195

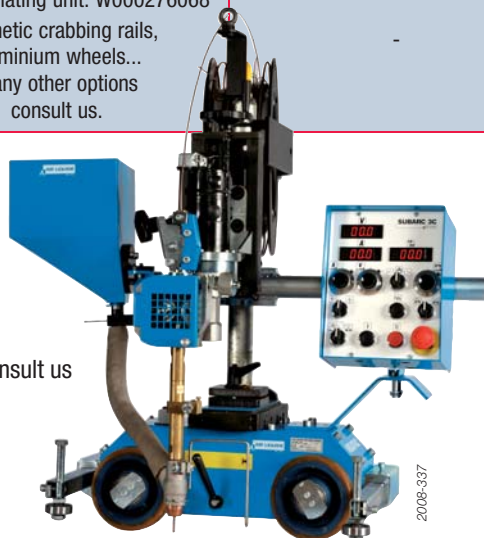


2012-199

	WELDYPOCKET	WELDYCAR NV	WELDYSTIFFENER	WELDY-RAIL
	Autonomous carriage with rechargeable battery. MIG/MAG welding with manual equipment.			
	Flat position welding, small footprint. Basic application, easy implementation.	All positions welding (permanent magnet). Exists in 3 models: ■ WELDYCAR NV - speed 5 – 70 cm/min, ■ WELDYCAR S NV - speed 15 - 140 cm/min, ■ WELDYCAR SP - speed 15 - 140 cm/min with programmation (continuous welding or not).	Welding with 2 manual welding torches. Programmable carriage. Exists in 2 models: ■ for height: 60-160 mm, ■ for height: 120-320 mm.	All positions welding of carbon steels, stainless steels and aluminium. Exists in 2 models: ■ WELDY-RAIL manual, ■ WELDY-RAIL with linear oscillating. 2 rail models: ■ Magnetic rail, ■ Pneumatic rail.
Applications	This carriage is used to facilitate the implementation of a regular welding. Boiler making in carbon steel.	Angle, butt, overhead and vertical welding with guidance by crabbing arm.	Welding of stiffeners in ship yards. 	Angle, butt, overhead and vertical welding. The carriage is travelling on a magnetic or pneumatic rail according the piece to be welded.
Main features				
Carriage speed	15 - 120 cm/min	5 - 70 cm/min or 15 - 140 cm/min	15 - 180 cm/min	5 - 80 cm/min
Dimensions (L x l x h)	140 x 240 x 220 mm	250 x 300 x 260 mm	500 x 500 x 600 mm	220 x 270 x 230 mm
Weight (netto)	5 kg	11 kg	16 kg	7 kg
Cat. nr	W000274909	NV: W000315589 S NV: W000315588 SP NV: W000315587	On request	On request
Options	Arc protection	Pendular oscillating unit: W000315474 Linear oscillating unit: W000276068 Magnetic crabbing rails, aluminium wheels... many other options consult us.	-	Linear oscillating unit: W000276068 In version WELDY-RAIL with oscillating unit.

MEGATRAC 6 carriage

Carriage for Submerged Arc Welding: Consult us



2008-337

See complete info about Positioning Equipment in our dedicated brochure



AUTOMATIC STANDARD PRODUCT



AUTOMATIC CUTTING

Air Liquide Welding proposes a wide range of solutions for thermal cutting (oxyflame or plasma).

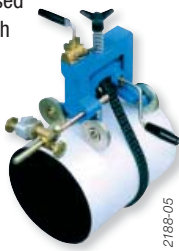
Portable carriages are easy to use everywhere equipment for small cutting works in workshops or on site applications

TAGLIATUBI

Dedicated to mechanised oxycutting of pipes with external diameter from 6" (150 mm) to 48" (1 200 mm) and with 5 to 50 mm thickness.

Cuts are:

- straight or beveled ($\pm 45^\circ$) when the machine is equipped with one torch
- X or Y bevels when the machine is equipped with 2 torches and accessories



2188-05

PYROTOME SE

On rail motorized carriage with a 10 to 125 cm/min speed allowing to perform straight or beveled cuts. It's a rugged solution for heavy duty works. PYROTOME SE is equipped as standard with oxyflame torch and in option can be used with an air plasma cutting power source.



0950-30

PYROTOME CNC

PYROTOME CNC is a small mechanized machine integrating a digital controller for cutting on metal sheets format of 1 000 x 2 000 or 1 500 x 3 000. The programming is carried out from a library of standard shapes integrated in the digital controller or from the drawing and nesting software included in the package. Equipped with one oxycutting torch or one plasma air installation, PYROTOME CNC is simple to implement, versatile, rugged and economical.



2015-466

Fully automatic cutting tables among the large range of solutions that Air Liquide can propose here are 2 machines

EASYTOME

Easy to use, versatile, efficient and cost effective single-piece plasma cutting machine. It has been specifically designed for industry areas such as, small and medium boiler making operations, building hardware, metal work, production of interior fittings, ventilation & air-conditioning, sheet metal work and street furniture manufacturers. EASYTOME has PC-based numerical controls with a high-quality screen. The EASYTOME concept relies on fast and simple set up, by its design software and integrated tool path, the procedure for cutting one or more pieces is made extremely simple and fast. It is fitted with a NERTAJET 40i industrial type plasma power source that can cut carbon steels, stainless steels or light alloys (aluminium). Thickness range: sheet edge up to 40 mm and mid plate sheet: up to 12 mm. Angular cutting quality is range 4-5 as per ISO 9013.

EASYTOME is available in several sizes: 1 000 x 2 000 mm, 1 500 x 1 500 mm, 1 500 x 3 000 mm, 2 000 x 4 000 mm.



2015-483

OPTITOME²

High quality plasma cutting requires more and more accuracy.



2015-633

The machine is designed to offer all the characteristics required for HP machine tool operation:

- high-precision guidance along the X, Y and Z axes through the use of linear guideline systems
- high-quality drive guaranteed by the use of ethercat brushless motors 750W
- tough railways with rigid structure perfectly suited to process requirements.

OPTITOME 2 allows HP cuts and marking of all metallic materials on thickness from 0.5 to 50 mm.

