



SAF-FRO

PRESTOTIG

A full range of DC and AC/DC TIG welding inverters.



2000-170

www.saf-fro.com



Welding inverters for carbon steel, stainless steel and aluminum.



A compact range of DC TIG welding inverters for carbon and stainless steel, and specially, for AC/DC TIG welding of aluminum. Protected against dust by their shielded front panel, the new PRESTOTIG units will accompany you in all your operations both in the workshop and on outside sites.

Selection criteria



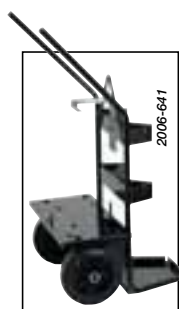
Primary power supply	Weldable materials and thicknesses*		Cooling unit	Weight	Welding current					MMA welding	Product name
	Steels & stainless steel	Aluminum			100	200	300	400	500		
Single-phase	✓ 0.5 at 3 mm		no	16,5 kg						✓	PRESTOTIG 210
Three-phase	✓ 0.5 at 4 mm		optional	22 kg						✓	PRESTOTIG 310 / 310 W
Three-phase	✓ 0.5 at 6 mm		standard	33 kg						✓	PRESTOTIG 410 W
Single-phase	✓ 0.5 at 3 mm	✓ 0.5 at 4 mm	no	30 kg						✓	PRESTOTIG 210 AC/DC
Three-phase	✓ 0.5 at 4 mm	✓ 0.5 at 5 mm	no	39 kg						✓	PRESTOTIG 250 AC/DC
Three-phase	✓ 0.5 at 4 mm	✓ 0.5 at 5 mm	standard	65 kg						✓	PRESTOTIG 250 W AC/DC
Three-phase	✓ 0.5 at 6 mm	✓ 0.5 at 8 mm	standard	74 kg						✓	PRESTOTIG 350 W AC/DC

* for information and according to assembly preparation

Main advantages

For operator comfort:

- Reduced weight and size.
- Maximum safety with electrode bias.
- Increased user-friendliness with controls grouped on the front panel, parameters memorization (AC/DC), unit transportable using carriages T1, T2 and T2A.
- Possibility to connect to a remote control or foot-operated pedal.
- Separate gas to torch connection.
- Torch with potentiometer as an option (DC).



To meet your TIG welding requirements:

- Multi-process units: TIG DC or AC, TIG DC, electrode.
 - continuous, spot, pulsed welding.
 - full welding cycle.
 - HF or lift-TIG arc striking system.
- in AC: balance adjustment, cleaning/penetration, welding with cerium electrodes (pointed) or pure tungsten electrodes (balling adjustment).
- pulsed system adjustment on front panel of the power sources, engine generator compatibility.

For MMA welding (DC+, DC-, AC):

- Automatic hot start for easier arc striking according to type of coated electrode used.
- Adjustable arc dynamics to optimize melting according to electrode type (rutile, basic or cellulosic).

For working in difficult conditions:

High-resistance steel cabinet, protection against dust and spatter.



DC up to 400 A



2006-007

You will find the right choice for your application in the PRESTOTIG DC range: 200, 300 or 400 amps, air or water-cooling depending on model. Four versions with a unique and very intuitive front panel will make you operational very quickly, whatever the PRESTOTIG you choose.

For TIG DC welding

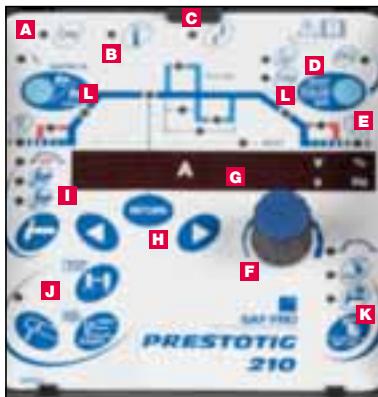
Available in 4 versions with reduced weight and electric generator compatibility (if you do not have a power source available on site), each of our PRESTOTIG offers the same welding quality with a unique and intuitive front panel grouping all the controls necessary for optimum execution of your welding operation.



2006-660

2006-659

2006-664



2006-661

- A** Power "on" indicator
- B** Thermal safety indicator
- C** Supply voltage defect indicator
- D** Pulsed TIG / Synergic pulsed TIG / Spot TIG selection
- E** Post-gas adjustment
- F** Welding parameter adjustment
- G** Display
- H** Welding parameters selection keys
- I** 2T / 4T selection
- J** MMA welding selection
- K** Local/remote control selection
- L** Adjustment of arc striking and end of welding current

Technical characteristics:	1 PRESTOTIG 210	2 PRESTOTIG 310	3 PRESTOTIG 310 W	4 PRESTOTIG 410 W
Primary power supply	230 V (+/-10%) single-phase 50/60 Hz	400 V (-15% / +20%) three-phase 50/60 Hz	400 V (-15% / +20%) three-phase 50/60 Hz	400 V (-15% / +20%) three-phase 50/60 Hz
Absorbed power at maximum intensity	6.5 kVA	8.4 kVA	8.4 kVA	13.8 kVA
No-load voltage	80 V	80 V	80 V	80 V
Adjustment range	5 to 200 A	5 to 300 A	5 to 300 A	5 to 400 A
Duty cycle (TIG) at 100 % (at 40 °C) at 60 % at 30 %	130 A 150 A 200 A	200 A 230 A 300 A	200 A 230 A 300 A	220 A 285 A 400 A
Max. diameter for coated electrodes	4.0 mm	5.0 mm	5.0 mm	6.0 mm
Dimensions (L x w x h)	410 x 180 x 390 mm	500 x 180 x 390 mm	500 x 180 x 650 mm	500 x 180 x 650 mm
Net weight	15 kg	22 kg	32 kg	33 kg
Protection class	IP 23C	IP 23C	IP 23C	IP 23C
Standards	EN 60974-1; EN 60974-10	EN 60974-1; EN 60974-10	EN 60974-1; EN 60974-10	EN 60974-1; EN 60974-10
Welding cycles	2T - 4T - spot			
Welding cycle functions	Pre and post-gas, arc rise and fading ramps with settings, electrode welding, TIG DC, pulsed TIG and synergic pulsed TIG			

DC and AC up to 350 A



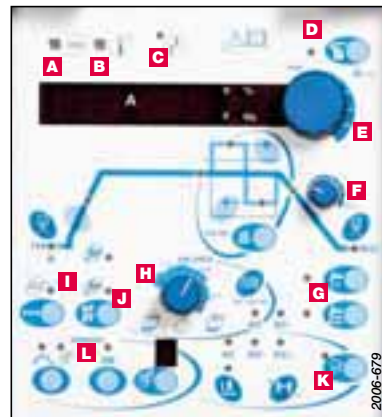
In addition to work on carbon and stainless steels, the major development of aluminum use in industry requires high-performances and multipurpose equipments, not only for maintenance operations but also for different welding applications in manufacture.



A wide, simple, high-performance range

Available in 4 versions, from 200 to 350 amps, air or water-cooled, the new PRESTOTIG AC/DC range will allow you to handle all welding situations including the most delicate ones. A unique and very user-friendly front panel has the capacity for you to store up to 9 complete welding programs.

- A** Power "on" indicator
- B** Thermal defect indicator
- C** Supply voltage defect indicator
- D** Local/remote control selection and code locking
- E** Welding parameters adjustment
- F** Fading time adjustment
- G** TIG HF / TIG Pac-sytem arc striking selection
- H** AC balance parameters adjustment
- I** TIG spot weld adjustment
- J** 2T / 4T selection
- K** MMA welding selection
- L** Parameters memorization



5 PRESTOTIG 210 AC/DC	6 PRESTOTIG 250 AC/DC	7 PRESTOTIG 250 W AC/DC	8 PRESTOTIG 350 W AC/DC
230 V (+/-10%) single-phase 50/60 Hz	230/400/460 V (+/-10%) three-phase 50/60 Hz		400 V (+/-10%) three-phase 50/60 Hz
6.8 kVA	7.5 kVA		11.7 kVA
70 V DC	70 V DC		70 V DC
3 to 200 A (DC) - 10 to 200 A (AC)	3 to 250 A (DC) - 10 to 250 A (AC)		3 to 350 A (DC) - 10 to 350 A (AC)
150 A - 200 A	220 A 250 A (70%) -		280 A 350 A -
4.0 mm	5.0 mm		5.0 mm
540 x 260 x 510 mm	690 x 260 x 550 mm	690 x 260 x 830 mm	690 x 260 x 870 mm
30 kg	39 kg	65 kg	74 kg
IP 23C	IP 23C		IP 23C
EN 60974-1; EN 60974-10	EN 60974-1; EN 60974-10		EN 60974-1; EN 60974-10
2T - 4T - spot			
Pre and post-gas, arc rise and fading ramps with settings, memorization of 9 programs, DC and AC electrode welding (+/- polarity), TIG DC, pulsed TIG			

TIG range



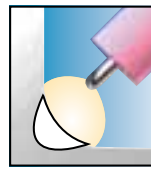
2006-478

Our PRESTOTIG welding units are delivered complete, with or without cooling unit. They can be complemented by a carriage, a pressure regulator and a torch, all available in the form of a ready-to-use package. A remote control or foot-operated control pedal can be supplied as options for your PRESTOTIG unit.

	PRESTOTIG				PRESTOTIG AC/DC				
	210	310	310 W	410 W	210	210 W	250	250 W	350 W
Power source part number	W 000 262 979	W 000 262 981	W 000 265 599	W 000 265 519	W 000 262 987	W 000 270 072**	W 000 265 362	W 000 262 990	W 000 262 991
COOLERTIG	-	-	Built in	Built in	-		-	-	-
Part number of package*	W 000 265 124	W 000 265 125	W 000 265 126 with trolley	W 000 265 127 with trolley	W 000 265 128	W 000 268 492 with trolley	W 000 265 130	W 000 265 131 with trolley	W 000 265 132 with trolley
Add-ons									
Trolley	W 000 263 310 (T1)			W 000 263 308 (T2)			W 000 263 309 (T2A)		
Remote control	5 m	W 000 263 311 (RC1)			W 000 263 312 (RC2)				
	10 m	W 000 270 324 (RC1)			W 000 270 325 (RC2)				
Foot-operated control pedal (5 m)	W 000 263 313 (FP1)			W 000 263 314 (FP2)					
Tungsten or cerium electrodes	Ø 2.0 mm	W 000 010 024							
	Ø 2.4 mm	W 000 010 025							
	Ø 3.2 mm	W 000 010 027							

Our PRESTOTIG are delivered with:

- 1 x 3-meter power supply cable (with 16 A plug for single-phase models)
- 1 x 3-meter earth cable with earth clamp
- 1 x 1.5-meter gas hose + intermediate connection
- 1 x user and maintenance manual









Pure tungsten electrode



Cerium electrode

We recommend the use of cerium electrodes for better penetration in angles for aluminum welding (AC).

Add-ons:

 2006-649	Remote control • RC1 for PRESTOTIG DC range Cat. no. W 000 263 311 (5 m) W 000 270 324 (10 m)	 2006-207	Mask EUROLUX JET ADVANCE Cat. no. W 000 261 354 (version 3 000) Cat. no. W 000 261 355 (version 4 000)
 2006-650	Remote control • RC2 for PRESTOTIG AC/DC range Cat. no. W 000 263 312 (5 m) W 000 270 325 (10 m)	 2006-651	• Foot-operated control pedal FP1 (5 m) for PRESTOTIG DC range Cat. no. W 000 263 313
 0254-034	PROTIG maintenance box Cat. no. W 000 306 441 (PROTIG 10 RLS) Cat. no. W 000 306 442 (PROTIG 20 RLS)	 2006-652	• Foot-operated control pedal FP2 (5 m) for PRESTOTIG AC/DC range Cat. no. W 000 263 314

* Including power source + torch + pressure regulator (for French market)

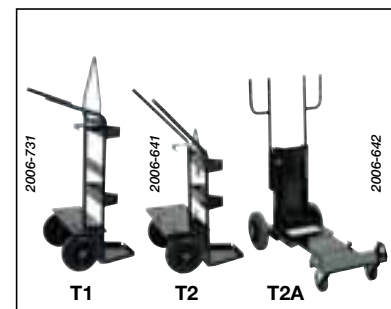
** Including power source + cooling unit + trolley

A range of 3 TIG carriages for easy transport of:

- PRESTOTIG unit, according to model
- COOLERTIG cooling unit (DC)
- Gas bottle (size B20 max.)
- Torches and accessories that can be carefully stored or rolled

3 models of carriage to make your PRESTOTIG transporting and storing easier:

- T1 for PRESTOTIG DC units
- T2 for PRESTOTIG 210 AC/DC units
- T2A for other PRESTOTIG AC/DC models





Contacts

BELGIUM

AIR LIQUIDE WELDING BELGIUM SA
Z.I. West Grijsen - Grijsenlaan 5 - 3300 TIENEN
Tel.: +32 16 80 48 20 - Fax: +32 16 78 29 22

CHINA

SAF SHANGHAI REP. OFF.
Rm. 722. Pine City Hotel
777 Zhao Jia Bang Lu - SHANGHAI 200032
Tel.: +86 21 64 43 89 69 - Fax: +86 21 64 43 58 97

CZECH REPUBLIC

AIR LIQUIDE WELDING CZ S.R.O.
Podnikatelská 565 - Areál SVUM
190 11 PRAHA 9 - Bûchovice
Tel.: +420 274 023 163 - Fax: +420 274 023 233

FRANCE

AIR LIQUIDE WELDING FRANCE
13, rue d'Épluches - BP 70024 Saint-Ouen l'Aumône
95315 CERGY PONTOISE Cedex
Tel.: +33 1 34 21 33 33 - Fax: +33 1 34 21 31 30

HUNGARY

AIR LIQUIDE WELDING HUNGARY - Kft
Krisztina krt. 39/b - H-1013 Budapest
Tel.: +36 1 339 8650 - Fax: +36 1 339 8649

ITALY

AIR LIQUIDE WELDING ITALY
Via Torricelli 15/A - 37135 VERONA
Tel.: +39 045 82 91 511 - Fax: +39 045 82 91 536

LUXEMBOURG

AIR LIQUIDE WELDING LUXEMBOURG S.A.
5 rue de la Déportation - BP 1385 - L-1415 LUXEMBOURG
Tel.: +352 48 54 56 - Fax: +352 48 54 57

MALAYSIA

SAF-OERLIKON MALAYSIA SDN BHD
No 10, Jalan TPP 5/1 - Taman Perindustrian Puchong
47100 PUCHONG, SELANGOR
Tel.: +603 8060 8638 - Fax: +603 8061 620

NETHERLANDS

AIR LIQUIDE WELDING NETHERLANDS
Rudonk 6 B - NL 4824 AJ BREDA
Tel.: +31 76 541 00 80 - Fax: +31 76 541 58 96

POLAND

AIR LIQUIDE WELDING POLSKA - SP. Z.o.o
UL. Porcelanowa 10 - 40-246 KATOWICE
Tel.: +48 32 609 04 50 - Fax: +48 32 609 04 60

PORTUGAL

AIR LIQUIDE SOLDADURA LDA
Rua Dr. António Loureiro Borges, 4-2° Arquiparque
Miraflores - 1495-131 ALGÉS
Tel: +351 21 41 64 900 - Fax: +351 21 41 69 40

ROMANIA

DUCTIL
Aleea Industriilor Nr 1 - 120224 BUZAU
Tel.: +40 238 722 058 - Fax: +40 238 716 861

RUSSIA

AIR LIQUIDE WELDING
17 Vorontsovskaya Str. - 109147 MOSCOW
Tel.: +7 495 641 28 98 - Fax: +7 495 641 28 91

SLOVAKIA

AIR LIQUIDE WELDING CENTRAL EUROPE S.R.O.
Prazska 35 - 94901 NITRA
Tel.: +421 37 69 24 601 - Fax: +421 37 65 19 919

THAILAND

AIR LIQUIDE WELDING THAILAND Co Ltd
40 Moo 6 - Ramindra Road Km. 9.5
KHANNAYAO, BANGKOK 10230
Tel.: +66 2 9432250 - Fax: +66 2 9432256

U.A.E.

AIR LIQUIDE WELDING MIDDLE EAST FZE
Jebel Ali free zone warehouse No. FZS1AH05
P.O. BOX 18734 - Jebel Ali - DUBAI
Tel.: +971(0)48861606 - Fax: +971(0)48861608

UKRAINE

AIR LIQUIDE WELDING UKRAINE, Llc.
1 rue Proskura - bureau 106A - 61070 KHARKOV
Tel.: +380 577 546 867 - Fax: +380 577 546 867

For other countries please contact our Export departments

ALW Export Department Italy

Via Torricelli15/A
37135 VERONA
Tel: +39 045 82 91 511- Fax: +39 045 82 91 536
E-mail: export.alwitaly@airliquide.com

ALW Export Department France

13, rue d'Épluches
BP 70024 Saint Ouen l'Aumône
95315 CERGY-PONTOISE Cedex
Tel: +33 1 34 21 33 33 - Fax: +33 1 30 37 19 73
E-mail: export.alwfrance@airliquide.com

www.saf-fro.com



www.airliquide.com

Founded in 1902, Air Liquide is the world leader in industrial and medical gases and related services. The company has offices in 75 countries and employs a work force of 40,000. Drawing on constantly renewed technologies, Air Liquide develops groundbreaking solutions used in making countless everyday products and in helping to preserve life.