

PRESTOTIG II DC ***Industrial range***

The best of TIG welding using inverter technology for the most demanding welders.



PRESTOTIG II DC Industrial range



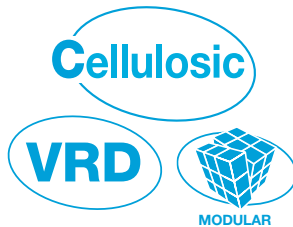
Single or three-phase portable inverters for MMA and TIG DC high quality work on non-alloyed or stainless steels.

PRESTOTIG II 210 DC, 310 DC (W), 410 DC(W)

Reduced weight and size, high-resistance steel cabinet, maximum safety with the built-in VRD (Voltage Reduction Device), unit transportable using dedicated carriages for work in severe conditions. Possibility to connect to a remote control or foot-operated pedal and separate gas to torch connection, protection against dust and spatter, the user friendliness is increased due to the controls grouped on the front panel.

Product advantages:

- Multi-process unit: TIG DC, MMA (all stick electrode)
- Continuous, spot, pulsed welding
- Complete welding cycle
- HF or "contact" arc striking
- Synergic pulsed system
- Automatic hot start for easier arc striking according to type of coated electrode used
- Adjustable arc dynamics to optimize electrode melting according to electrode type (rutile, basic or cellulosic)
- Modular: air or water cooled
- VRD available



- HF arc striking
- 2T / 4T
- Adjustable pre and post-gas
- Adjustable arc dynamics



Technical characteristics

	PRESTOTIG II 210 DC	PRESTOTIG II 310 DC (W)	PRESTOTIG II 410 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 at 40 °C	at 35%	200 A	300 A
	at 60%	150 A	230 A
	at 100%	130 A	200 A
Welding current	5 to 200 A	5 to 300 A	5 to 400 A
Electrode diameter max.	4.0 mm	5.0 mm	6.0 mm
Dimensions (l x w x h)	Power source	410 x 180 x 390 mm	
	Power source + Cooling unit	500 x 180 x 390 mm	
Weight	Power source	22 kg	23 kg
	Power source + Cooling unit	33 kg	34 kg
Standards	EN 60974-1 ; EN 60974-10		

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)

		To order		
Power source		W000279723	W000279724	W000279725
		Option and accessories		
COOLERTIG II DC		W000279722		
Trolley T3		W000277087		
Manual remote control	5 m	W000263311 (RC1)		
	10 m	W000270324 (RC1)		
Foot-operated remote control		W000263313 (FP1)		

PRESTOTIG II DC Industrial range

Ultimate performance in all conditions



3551-009

Designed to meet the expectations of the most demanding welders, **PRESTOTIG II DC** welding units were developed in detailed correlation with on-going changes in requirements. They provide optimum performance associated with the ruggedness necessary for daily work both in the workshop and on site. They all have a complete welding cycle.



2011-107

2011-109

2011-111

PRESTOTIG II DC

- High quality welding results on carbon and stainless steels.
- For high demanding sectors of activity.



2001-316



Boiler making

2010-835



Petrochemicals



Shipbuilding



2001-317



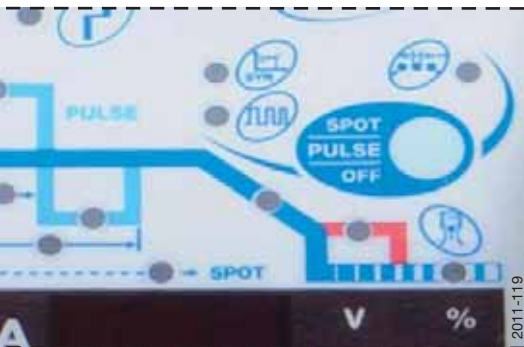
Offshore

2008-760



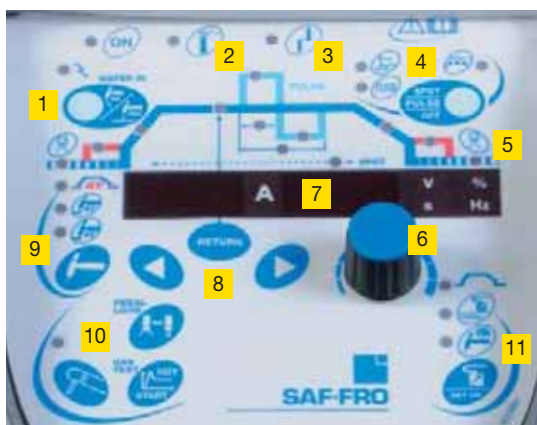
Piping

2010-810



Pulsed TIG and “synergic” pulsed TIG. With the adjustment of all pulse parameters, the pulsed TIG process allows better control of the weld pool. The synergic pulsed system is an additional mode proposed to make adjustment of the unit easier. With the synergic pulsed system, there is no need to adjust the welding current or other pulse parameters that may have been pre-programmed. The pulse frequency gives a high, concentrated arc and increases welding speed.

PRESTOTIG II front panel



- 1 Power on indicator
- 2 Thermal safety indicator
- 3 Supply voltage defect indicator
- 4 Pulsed TIG / Synergic pulsed TIG / Spot TIG selection
- 5 Post-gas adjustment
- 6 Welding parameters adjustment
- 7 Display
- 8 Welding parameter selection keys
- 9 2T / 4T / CITOSTEP selection
- 10 MMA welding selection
- 11 Local/remote control selection



Options and accessories for PRESTOTIG II DC

Remote control



To order		
RC1 for direct current range	5 m	W000263311
	10 m	W000270324

Foot-operated control pedal



To order		
FP1 for direct current range	5 m	W000263313



Trolley T3

- A trolley for easy transport of:
- PRESTOTIG II DC
 - COOLERTIG II cooling unit
 - Gas cylinder (size B20 max.)
 - Torches and accessories that can be carefully stored or rolled

To order	
Trolley T3	W000277087

TIG torches



The new range of PROTIG NG TIG torches perfectly fit with the high level of quality provided by the PRESTOTIG II DC industrial range.

The adapted models are PROTIG NG 20, 40, 10W or 35W (air or water cooled torches). They come:

- either with trigger as a blade: RL models
- or as a button: EB types.

The EB types are modular as they can be modified with the different type of buttons.

See complete range in the PROTIG NG brochure



RL: Blade

	PROTIG NG 20 RL C5B	PROTIG NG 40 RL C5B	PROTIG NG 10W RL C5B	PROTIG NG 35W RL C5B
Cooling	Air		Water	
Duty Cycle	150 A at 35% 100 A at 60%	250 A at 35% 200 A at 60%	250 A at 100%	350 A at 100%
To order	5 m: W000278368 8 m: W000278369	5 m: W000278372 8 m: W000278373	5 m: W000278374 8 m: W000278375	5 m: W000278376 8 m: W000278377
Cat. number maintenance box	W000306442	W000306444	W000306441	W000306444



EB: Button

	PROTIG NG 20 EB C5B	PROTIG NG 40 EB C5B	PROTIG NG 10W EB C5B	PROTIG NG 35W EB C5B
Cooling	Air		Water	
Duty Cycle	150 A at 35% 100 A at 60%	250 A at 35% 200 A at 60%	250 A at 100%	350 A at 100%
To order	5 m: W000278396 8 m: W000278397	5 m: W000278400 8 m: W000278401	5 m: W000278402 8 m: W000278403	5 m: W000278404 8 m: W000278405
Cat. number maintenance box	W000306442	W000306444	W000306441	W000306444

Modular system:

All torches are delivered with a single button module. If you want another control module, order it separately.



- 1 Horizontal potmeter - W000279370
- 2 Vertical potmeter - W000279246
- 3 Double button - W000279242
- 4 Blade - W000279245

For potmeter adapt the wiring to the welding machine using the 7 pins plug - W000271826

In option: Adjustable heads

As an option, adjustable torch bodies are available. Welding in inaccessible locations becomes easier. You have the choice of 2 heads, small and large to be mounted on air cooled or water cooled bodies.



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

Air cooled body - W000279381

Water cooled body - W000279382

Head PROTIG NG 10 - W000279383

Head PROTIG NG 20-30 - W000279384



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