

PRESTOTIG PFC / PRO ***Professional range***

Portable TIG DC
welding installations



PRESTOTIG DC PFC / PRO

Professional range



PRESTOTIG DC Professional offers leading technology in TIG DC welding with a user friendly interface.

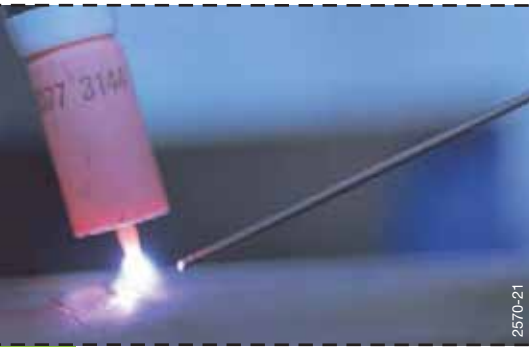


PRESTOTIG DC

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



PRESTOTIG DC Professional range



Additional features include program storage capability and improved reliability due to Power Factor Control technology. PRESTOTIG DC Professional range delivers more power with reduced consumption: up to 220 A with a domestic 16 A plug.

Product description and features

- Modular technology to improve reliability.
- Built-in Power Factor Control device in conformance with the new national standards and to improve efficiency and reduce electrical consumption. Factory fitted with a domestic 16 A plug. Improved compatibility with generators (+/- 20% input voltage variations). Works with extra long primary cables (70 m with 2.5 mm² section).



EASY PFC

- 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%

EASY: PRESTOTIG 160 PFC front panel

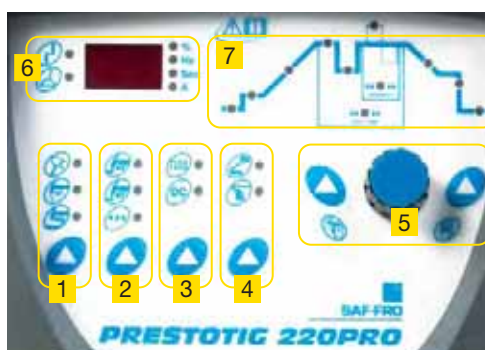


- 1 Safety and operation indication
- 2 Main current regulation
- 3 Trigger cycle selection 2T / 4T
- 4 Process selection (MMA / TIG HF / TIG Lift)
- 5 Pre-gas time selection
- 6 Slope-down time selection
- 7 Post-gas time selection

PRO

- 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)

PRESTOTIG PRO front panel

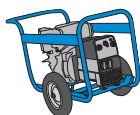


- 1 Welding mode (MMA, TIG with PAC striking, TIG with HF striking)
- 2 TIG welding: 2 Times, 4 Times, Spot
- 3 Pulsed - DC selection mode
- 4 Remote control - Foot pedal control selection
- 5 Programs storage and recall
- 6 Digital display
- 7 Complete welding cycle



Comply with the EN 61000-3-2/12 standard effective since december 2010, that limits the harmonic currents produced by equipment connected to public low-voltage systems.

PRESTO PFC Power Factor Control



Generator compatible

Technical characteristics

	PRESTOTIG 160 PFC		PRESTOTIG 180 PRO		PRESTOTIG 220 PRO		
	MMA	TIG	MMA	TIG	MMA	TIG	
Single-phase input voltage	230 V +/- 20% 50/60 Hz		230 V +/- 20% 50/60 Hz		230 V +/- 20% 50/60 Hz		
Effective input current	15 A	11 A	15 A	11 A	16 A	12 A	
Open circuit voltage	49.5 V		50 V		50 V		
Welding current range	10 - 160 A		5 - 160 A		5 - 180 A	5 - 220 A	
Duty cycle at 40 °C	30%	160 A	-	-	-	-	
	35%	-	160 A	160 A	-	220 A	
	40%	-	-	160 A	180 A	-	
	60%	140 A	140 A	140 A	140 A	150 A	180 A
	100 %	120 A	120 A	120 A	130 A	130 A	150 A
Connector size	13 mm						
Protection index	IP 23 S						
Weight	9.5 kg						
Dimensions	205 x 345 x 460 mm						
European standards	EN 60974.1	✓	✓	✓	✓	✓	
	EN 60974.10	✓	✓	✓	✓	✓	
	EN 61000-3-2/12	✓	✓	✓	✓	✓	
Delivered equipped with	Primary cable, user manual, safety instructions, gas hose, earth cable with clamp (3 m)						

This equipment are designed for industrial and professional use only.



16A plug

Options and accessories

Remote control



Foot pedal



To order			
Power source	PRESTOTIG 160 PFC W000273518	PRESTOTIG 180 PRO W000273979	PRESTOTIG 220 PRO W000273981
Option and accessories (only for 180-220 PRO)			
A	Remote control 10 m	-	W000242069
B	Foot pedal	-	W000241602

TIG torches



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



The adapted models are PROTIG NG 10, 20 or 30 (air 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 10 RL S		PROTIG NG 20 RL S		PROTIG NG 30 RL S	
Cooling	Air					
Duty Cycle	125 A @ 35% 80 A @ 60%		150 A @ 35% 100 A @ 60%		200 A @ 35% 130 A @ 60%	
To order	5 m	8 m	5 m	8 m	5 m	8 m
	W000278353	W000278355	W000278356	W000278357	W000278358	W000278359
Cat. number maintenance box	W000306441		W000306442		W000306443	

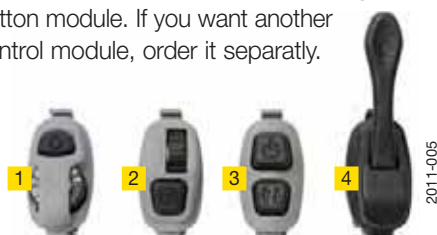


EB: Button

	PROTIG NG 10 EB C5B		PROTIG NG 20 EB C5B		PROTIG NG 30 EB C5B	
Cooling	Air					
Duty Cycle	125 A @ 35% 80 A @ 60%		150 A @ 35% 100 A @ 60%		200 A @ 35% 130 A @ 60%	
To order	5 m	8 m	5 m	8 m	5 m	8 m
	W000278394	W000278395	W000278396	W000278397	W000278398	W000278399
Cat. number maintenance box	W000306441		W000306442		W000306443	

Modular system:

All EB 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 10 pins plug - W000148887

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.



- Air cooled body - W000279381
- Water cooled body - W000279382
- Head PROTIG NG 10 - W000279383
- Head PROTIG NG 20-30 - W000279384



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