RAINBOW 201 HF - 202 HF PRO

TIG (WIG) MMA

SINGLE PHASE TIG DC INVERTER WELDING EQUIPMENT

RAINBOW 201 HF and RAINBOW 200 HF PRO represent the latest evolution of inverter technology DC welding machines for professional applications.
Equipped with a digital control, these powerful 100 kHz power sources, based on the very latest IGBT technology and fitted with flat transformer, can be used for TIG welding of any metal, excluding aluminium and its alloys.
RAINBOW 201 HF and 202 HF PRO, also very well performing in MMA welding, due to their lightness and portability, are the ideal solution for excellent quality welding in maintenance, assembly and light fabrication works.

1~ CC Inverter DC + - DIGITAL 888 ECOLOGICAL GREEN

- Digital control of all the parameters
- TIG arc striking by high frequency or "Lift" mode
- High performance on thin metal sheets
- Low energy consumption and high efficiency
- Shock-proof fibre compound main structure
- Control panel protected against accidental impact
- Sloping front control panel, easy to read and adjust and highly visible from any direction
- IP 23 protection class and dust-proof electronic components, thanks to the innovative "Tunnel" fan cooling system, allow their use in the toughest work environments
- Use of TIG Up/Down torches will enable the remote control of the welding parameters directly from the torch

"EASY PULSE" - SYN (RAINBOW 202 HF PRO)

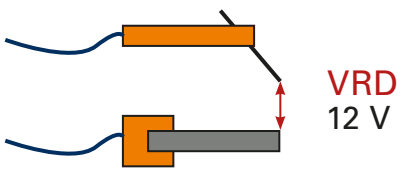
"EASY PULSE"-SYN feature, in function of the chosen peak current, will synergically generate, in a simple and automatic way, an adequate pulse frequency (between 0.5 and 500 Hz) and also a base current, both of them readjustable in a synergic way.
Pulse parameter values preselected in the control will save setting time, by ensuring the best possible pulse parameter combinations, ideal for less skilled welders.

FUNCTION "CYCLE" (RAINBOW 202 HF PRO)

"CYCLE" function allows, by simply pressing the torch trigger, to continuously switch between two current values, previously preselected. This function is most suitable for welding different thickness profiles, requiring a continuous current adjustment change.

VRD - VOLTAGE REDUCTION DEVICE

VRD device reduces the open circuit voltage to values below 12 V, by enabling the use of the machine in highly hazardous environments for the operator's maximum safety.



DESIGNER: SPREAFICO DESIGN - ITALY

RAINBOW 201 HF

- ▶ Digital control of all the welding parameters
- ▶ W elding process selector:
  TIG DC • TIG DC "Lift" • MMA
- ▶ Welding Mode Selector:
  2T/4T • Spotting
- ▶ Digital ammeter with welding current presetting and hold function of the last read welding parameter
- ▶ Digital display for presetting all the welding parameters

RAINBOW 202 HF PRO

- ▶ Welding "Mode" CYCLE
- ▶ TIG pulse welding from 0,5 to 500 Hz with possibility of activating the EASY PULSE"- SYN facility
- ▶ Storing and recalling up to 20 personalized welding programs
- ▶ Monitoring of all welding parameters.

RAINBOW FUNCTION		201 HF TIG DC	201 HF MMA	202 HF PRO TIG DC	202 HF PRO MMA
Pre Gas		•		•	
Initial current				•	
Up Slope		•		•	
Welding current		•	•	•	•
2nd welding current	"CYCLE"			•	
Pulse cycle	"PULSE"			•	
Down Slope		•		•	
Final current				•	
Post gas		•		•	
Spot time		•		•	
Automatic Hot Start			•		•
Automatic Arc Force			•		•
Automatic Antisticking			•		•

TECHNICAL DATA		RAINBOW 201 HF TIG DC	RAINBOW 201 HF MMA	RAINBOW 202 HF PRO TIG DC	RAINBOW 202 HF PRO MMA
Single phase input 50/60 Hz	V +20% -20%	230	230	230	230
Input Power @ I_2 Max	kVA	8,5	9	8,5	9
Delayed Fuse (I_2 @ 100%)	A	20	20	20	20
Power Factor / cos φ		0,67/0,99	0,67/0,99	0,67/ 0,99	0,67/0,99
Efficiency Degree		0,82	0,84	0,82	0,84
Open circuit voltage	V	88	88	88	88
Current range	A	5 - 200	5 - 160	5 - 200	5 - 160
Duty cycle at (40°C)	A 100%	120	110	120	110
	A 60%	140	130	140	130
	A X%	200 (25%)	160 (30%)	200 (25%)	160 (30%)
Standards		EN 60974-1 • EN 60974-3 • EN 60974-10			
Protection Class	IP	23 S		23 S	
Insulation Class		H		H	
Dimensions	↗ mm	390		390	
	→ mm	135		135	
	↑ mm	300		300	
Weight	kg	7,5		7,5	

Other voltages available on request

These power sources are built for industrial environment use. EMC (CISPR 11): class A

ACCESSORIES

- CD6 remote control
- PSR 7 foot remote control
- Up/Down torches
- Carrying belt

ISO 9001: 2008

Technical features might change without notice