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CEA

TIG

made in italy
SINCE 1950





RAINBOW HF

OUR ICON FOR PRECISION DC TIG WELDING

SINGLE PHASE TIG DC INVERTER WELDING EQUIPMENT

RAINBOW HF is the iconic welding machine that has introduced the innovative inverter technology for professional TG DC welding machines in a curved design.

Equipped with a digital control, these powerful 100 kHz power sources, based on IGBT technology and fitted with flat transformer, can be used for TIG welding of any metal, excluding aluminium and its alloys.

RAINBOW HF



Ultra-compact, light and powerful

RAINBOW HF 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.



Other characteristics

- Digital control of all the welding parameters
- TIG arc striking by high frequency or "lift arc"
- High performance on thin metal sheets
- Energy Saving function to operate the power source cooling fan only when necessary
- Sloping front control panel, easy to read and adjust and highly visible from any direction
- Thanks to the "Tunnel" fan cooling system, IP 23 protection class and dust-proof electronic components allow their use in the toughest work environments
- Use of Up/Down TIG torches will enable to adjust directly from the torch the welding parameters

TECHNICAL FEATURES

SYN
PULSE 

FAST
PULSE 

SLOW
PULSE 

PULSE MODE RAINBOW

SYN PULSE

SYN PULSE will synergically generate pulse frequency and base current

FAST PULSE

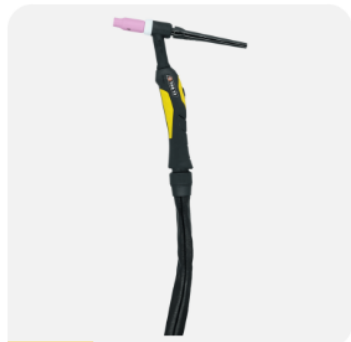
Adjust frequency from 0,5 Hz to 500 Hz

SLOW PULSE

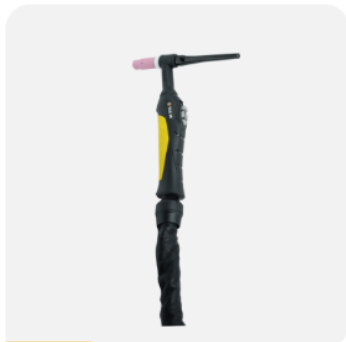
Adjust separately current/time of peak and base
(RAINBOW 182 HF pro – 202 HF pro)

Available accessories

DISCOVER ALL AVAILABLE ACCESSORIES



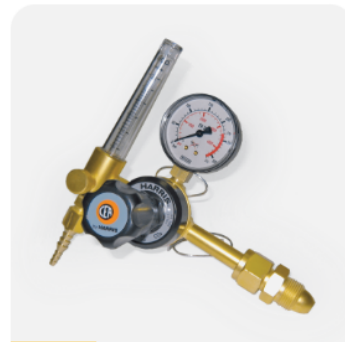
CEA TORCH TXA 17.4
020553



CEA TORCH TXA 26.4
"UP/DOWN"
020662



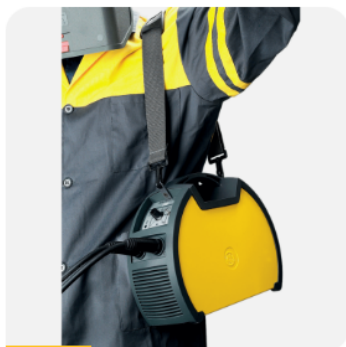
25 MM² / 3 M GROUND
CABLE WITH CLAMP
239618



REDUCER WITH
FLOWMETER AND 1
MANOMETER
020916



RAINBOW BAG
030963



CARRYING BELT KIT
030940



CD 6/8
236243



PSR7
020919



ADAPTER FOR TORCH
AND PSR 7
460056



A6 KIT
460005

Datasheet

RAINBOW HF: TECHNICAL FEATURES

TECHNICAL DATA			RAINBOW 201 HF		RAINBOW 182 HF PRO		RAINBOW 202 HF PRO	
			TIG DC	MMA	TIG DC	MMA	TIG DC	MMA
Single phase input 50/60 Hz	V	+ 20% - 20%	230	230	230	230	230	230
Installed power @ I ₂ Max	kVA		8,5	9,0	6,9	8,3	8,5	9,0
Fuse(delayed action) (I ₂ @ 100%)	A		20	20	16	16	20	20
Power Factor/cos φ			0,67 / 0,99	0,67 / 0,99	0,67 / 0,99	0,67 / 0,99	0,67 / 0,99	0,67 / 0,99
Efficiency Degree			0,82	0,82	0,82	0,82	0,82	0,82
Open circuit voltage	V		88	88	90	90	88	88
Current range	A		5-200	5-160	5-180	5-160	5-200	5-160
Duty cycle at (40°C)	A 60%		140	130	130	100	140	130
	A 100%		120	110	110	80	120	110
	A X%		200 (25%)	160 (30%)	180(25%)	160(20%)	200(25%)	160(30%)
Standards			EN 60974-1 • EN 60974-3 • EN 60974-10					
								
Protection Class	IP		23 S					
Dimensions (LxWxH)	mm		390 x 135 x 300		390 x 135 x 300		390 x 135 x 300	
Weight	kg		7,5		7,5		7,5	



WELDING TOGETHER

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