

TIG 315 / 500 AC/DC

Application :

Aerospace
Shipbuilding
Pipe & Tube Fabrication
Aluminium Fabrication

Processes :

GTAW (TIG)
GTAW-P (Pulsed TIG)
SMAW (Stick)

CCDC 3
Phase

Features :

IGBT Inverter Technology.
HF ARC Ignition
AC Waveforms Square / Sine / Triangular
Digital Ampere Meter
Stepless Current Control
Pre & Post Gas Flow Function
Up & Down Slope Function
Initial & Crater Current Selection
Pulse Frequency Selection
2T / 4T Function
AC Frequency Adjustment
Compatible to Generator Supply
IP23 Compliance
Water Cooling Unit - Optional



Technical Data :

Model	Input Supply	Input Power	Output Range	Rated Output	OCV	Dimension	Weight
TIG 315 AC/DC	400 V $\pm$ 15% 3 Phase 50/60 Hz	13.8 kVA / 12.1 kW	15-315 A	315 A @ 60% duty cycle	75 V	L : 515 mm W : 275 mm H : 465 mm	30 Kg.
TIG 500 AC/DC		26 kVA / 22.9 kW	20-500 A	500 A @ 60% duty cycle		L : 515 mm W : 275 mm H : 465 mm	55 Kg.

Control Panel - Pulse TIG Data :

Pulse Frequency	% Duty Ratio	Base Current
0.1 - 20 Hz	10 - 90%	5 - 245 A

Control Panel - AC TIG Date :

AC Frequency	Cleaning Depth Control	Cleaning Width Control
20 - 200 Hz	-50 - +50%	20 - 70%

Control Panel - Sequencer Date :

Gas Pre-flow	Up Slope Time	Initial Current	Crater Current	Down Slope Time	Gas Post-flow
0 - 10 s	0 - 10 s	5 - 315 A	20 - 315 A	0 - 10 s	0 - 60 s

Standard Package :

CC Power Source - 4 m Earthing Cable with Clamp - 3 m Water Cooled TIG Torch