

ATIG-P-315 /400 /500

TIG Welding
Power Source 



Quick Specs

Personal User Applications

Bicycle, fitness equipment, stainless furniture
Maintenance and repair
Industry plant construction
Containers manufacture
Shipbuilding
Pipeline industry

Process

Process: DC TIG (GTAW) /Stick (SMAW) /DC Pulsed TIG (GTAW-P) /AC Pulsed TIG /AC TIG

Output  

Input  

Features and benefits

- 2 step /4 step
- MCU control
- Multi-parameters adjustment
- Digital display
- Self-diagnostic
- High-speed pulse
- C type has remote control function, can equip with analog controller (YK-A) and digital controller (WSM-YK) (optional)

Standard equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Ground cable L=3m
- 1 Welding cable L=3m
- 1 TIG torch

1. MCU controlled, abundant parameters preset.
2. Suitable to equip with generator, 2-step/4-step
3. Precise pulse control
4. Good welding performance for mild steel, alloy steel, stainless steel, copper, silver, and Titanium.
5. Self-diagnostic with error code display
6. High efficiency and reliability

ATIG-P-315/400/500 is a MCU controlled digital welder, having abundant parameters to achieve ideal welding performance.

It provides DC TIG, Pulse TIG and MMA welding process, and 2-step/4-step mode selection.

Pre-gas, post-gas, up-slope, down-slope, pulse frequency, pulse ratio, and pulse amplitude, all above can be adjusted to improve welding performance according to the field demand.

So it is widely used for mild steel, alloy steel, stainless steel, copper, silver, and Titanium welding.

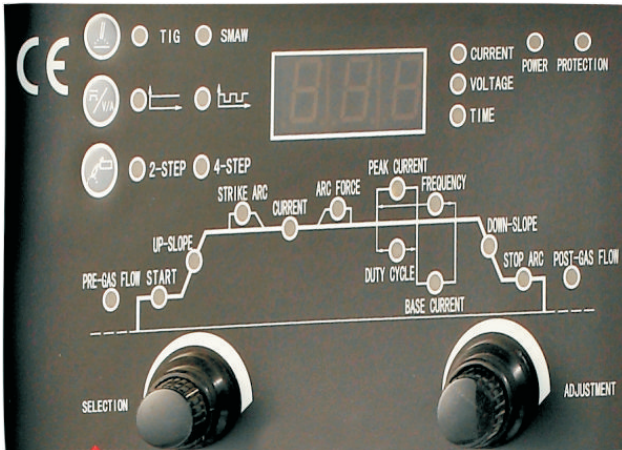
It can work with a generator as input power source, accepting 20% input voltage fluctuation. Self-diagnostic function can display the error code. It is convenient for maintenance or trouble shooting. Patented technologies ensure its high efficiency and reliability.



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ATIG-P-315 /400 /500 Control Panel



ATIG-P-315 /400 /500 Recommended base metals

1. Copper
2. Stainless steel
3. Carbon steel
4. Titanium
5. Alloy steel

Mild Steel Welding Capability

0.3~23mm /0.01~0.91"
15~350A

Stainless Steel Welding Capability

0.3~27mm /0.01~1.06"
15~240A



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ATIG-P-315 /400 /500 Specification



Product model	Input Power Voltage/Phase/Hertz	Rated Output Current /Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Dimension LxWxH (mm /inch)	Weight (kg /lb)
ATIG315P	Three phase 380V ±20 % 50/60Hz	315A/22.6V/60% TIG 315A/32.6V/60% SMAW	22A	5-315A DC Max. OCV: 67	600×310×550 23.5×12.1×21.5	42/93
ATIG400P		400A/26V/60% TIG 400A/36V/60% SMAW	27A	5-400A DC Max. OCV: 68	600×310×550 23.5×12.1×21.5	42/93
ATIG500P		500A/30V/60% TIG 500A/40V/60% SMAW	38A	5-500A DC Max. OCV: 83	655×335×560 26.5×13.9×21.9	49/108

ATIG-P-315 /400 /500 General Accessories

Water Cooling Machine



SLJ-10



SLJ-20

Suitable for cooling all kinds of water-cooled torches

Model	SLJ-10	SLJ-20
Main voltage (V)	Single phase 220±10% /50Hz	
Cooling capacity (Kw)	1.5 (1L /min)	1.5 (1L /min)
Motor (W)	260	260
Duty cycle	100%	100%
Max pressure	3BAR /60Hz (30m /60Hz)	3BAR /60Hz (30m /60Hz)
Tank (L)	9	26
Flow rate	8.5 /min at 6m /H	8.5 /min at 6m /H
Operation (°C)	-20-60	-20-60
Radiator	AL-radiator	2R Cu36x40cm
Dimension LxWxH (mm /inch)	485x273x360 /19.1x10.7x14.1	720x390x520 /28.3x15.3x20.5
Net weight (Kg /lb)	13 /28.7	32 /70.6



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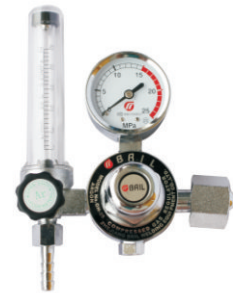
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Gas cooled TIG torch



Water cooled TIG torch



Gas regulator



Digital remote controller



Foot pedal (JTKG-II)



Foot pedal

ATIG-P-315 /400 /500 Ordering Information

Model	Stock No.	Model	Stock No.
Water Cooling Machine I	code SLJ-10	Water cooled TIG torch	code WTT-I
Water Cooling Machine II	code SLJ-20	Gas regulator	351077-00008
Gas cooled TIG torch	code GTT-I	Digital remote controller	code WRPTA-I
Foot pedal	code FP-II	Foot pedal (JTKG-II)	code FP-I



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