

CHAMPTIG 300P

The new world class inverter based
Pulse TIG DC welder



- Three phase inverter based, High efficiency and High Power Factor Pulse TIG/ MMA DC Welder
- Useful for wide variety of material types and thickness
- Full featured TIG controls possible
- Power source with built in HF ignition
- Intelligent protection: over/under voltage, over current / temperature
- Option of water cooled Torch with water cooling unit available



WELDERS TO THE NATION SINCE 1951
ADOR WELDING LIMITED

(Formerly Known as Advani-Oerlikon Ltd.)
www.adorwelding.com



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Pulse TIG DC welder



SALIENT FEATURES

- Latest PWM inverter technology
- IGBT based
- High efficiency (>83%)
- Smooth and stable arc with spatter less welding
- HF start ignition
- Pulse TIG for precision welding

SPECIFICATIONS



TECHNICAL SPECIFICATIONS	UNIT	CHAMPTIG 300P	
INPUT			
Input Supply: Voltage Phase Frequency	Volts. No. Hz	415 , +15%, -10% 3 50/60	
Efficiency @ 100 % Duty cycle Power Factor @ 100% Duty cycle	% OSØ	MMA MODE 82 0.93	TIG MODE 77 0.93
Input KVA @ 100% duty cycle @ No Load	KVA KVA	7.5 0.19	7 0.19
OUTPUT			
Open Circuit Voltage	Volts	70	
Welding Current Range Welding Current @ 100% duty cycle @ 60% duty cycle (10Min Cycle)	Amps Amps Amps	MMA MODE 50-250 195 250	TIG MODE 5-300 230 300
PULSE TIG PARAMETERS			
Duty Ratio	%	10 - 90	
Pulse Frequency	Hz	0.5 - 10	
Base Current	Amps	5 - 90% of Ipulse current	
Pulse Current (Ipulse)	Amps	5 - 300	
GENERAL			
Start current	Amps	5 - 300	
Current upslope time	sec	0 - 10	
Current down slope control	sec	0 - 10	
Pre-Flow	sec	0 - 5	
Post-Flow	sec	1 - 20	
Crater current	Amps	5-300	
Current / Voltage Display	-	7 -Segment LED Display for Current & Other parameters	
Ingress Protection Cooling	Class Type	IP23 Forced Air	
Insulation	Class	H	
Welding Output Terminals	-	Cam Lock connections	
Dimensions Length Width Height	mm mm mm	610 295 480	
Weight (approx.)	Kg	38	
WATER COOLING UNIT			
Input Supply Voltage (AC) Phase Frequency Water Reservoir Capacity Flow rate	Volts - Hz Liters Ltr/Min	230 1 50/60 8 10	
Dimensions Length Width Height Weight (approx.)	mm mm mm Kg	560 325 285 18	
TROLLEY			
Dimensions Length Width Height Weight (approx.)	mm mm mm Kg	660 525 415 10	
ORDERING INFORMATION		PRODUCT CODE	
TIG Outfit	-	F10.38.003.0057 (With 4 Mtr Torch) F10.38.003.0058 (With 8 Mtr Torch)	
Power Source	-	F10.38.003.0056	
TIG Torch	HIPRO TIG 301-4 HIPRO TIG 301-8	S15.01.003.0584 (4Mtr) S15.01.003.0585 (8Mtr)	
Water cooling Unit	WCU - 302	S17.01.005.2598	
Trolley For WCU	-	017.01.003.0755	
Foot Control Switch (Optional)	-	S17.01.003.1098	
Remote control Unit (10 meter, Optional)	-	S17.01.001.0058	
Welding cable Assembly with clamp in MMA mode (Optional)	-	S17.01.001.2554	
Earthing Cable Assembly	-	S17.01.001.2553	
Gas Hose Assembly	-	S17.01.001.0041	
Argon Gas Regulator	-	S12.08.001.0007	

- **Warranty:** One year from the date of purchase. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.



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