

CHAMPTIG 163

The new world class Inverter based DC TIG welder



- Single phase inverter based, High efficiency and High Power Factor DC TIG Welder
- Advanced inverter technology optimized ARC performance
- Useful for wide variety of material types and thickness
- Full featured TIG controls possible
- HF ignition, current down slope and gas post flow
- Intelligent protection: over/under voltage, over current / temperature



WELDERS TO THE NATION SINCE 1951
ADOR WELDING LIMITED

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



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SALIENT FEATURES

- Latest PWM inverter technology
- IGBT based
- High efficiency (>85%)
- Smooth and stable arc with spatterless welding



SPECIFICATIONS

TECHNICAL SPECIFICATIONS	UNIT	CHAMPTIG 163
INPUT		
Input Supply: Voltage 	Volts.	90-270
Phase	No.	1
Frequency	Hz	50/60
Input KVA @ 100% duty cycle 	KVA	2
Power factor	Loss	0.98
Efficiency	%	>85
@ No Load	KVA	0.1
OUTPUT		
Open Circuit Voltage 	Volts	60
Welding Current Range 	Amps	5-160
Welding Current (40°C 10 minute cycle) @ 100% duty cycle 	Amps	90
@ 25% duty cycle	Amps	160
GENERAL		
Current down slope control	sec	Adjustable Pot (0 – 10)
Pre-Flow	sec	0.1
Post-Flow	sec	1 to 10 (Depending on welding current)
Current / Voltage Display		
Ingress Protection 	Class	IP23
Cooling	Type	Forced Air
Insulation	Class	F
Welding Output Terminals	Type	Cam Lock connections
Dimensions 		
Length	mm	440
Width	mm	140
Height	mm	230
Weight (approx.) 	Kg	9.5
ORDERING INFORMATION		PRODUCT CODE
Standard TIG outfit		F10.38.003.0020
OPTIONAL ACCESSORIES		
TIG Torch - HIPROTIG 170		S10.38.003.0031

- **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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5/A, Corpora, L. B. S. Marg, Bhandup (West), Mumbai - 400 078. INDIA
Tel: +91 22 6623 9300/35 Fax: +91 22 2596 6562/6062 Email: cmo@adorians.com

