



## CHAMPTIG 400P



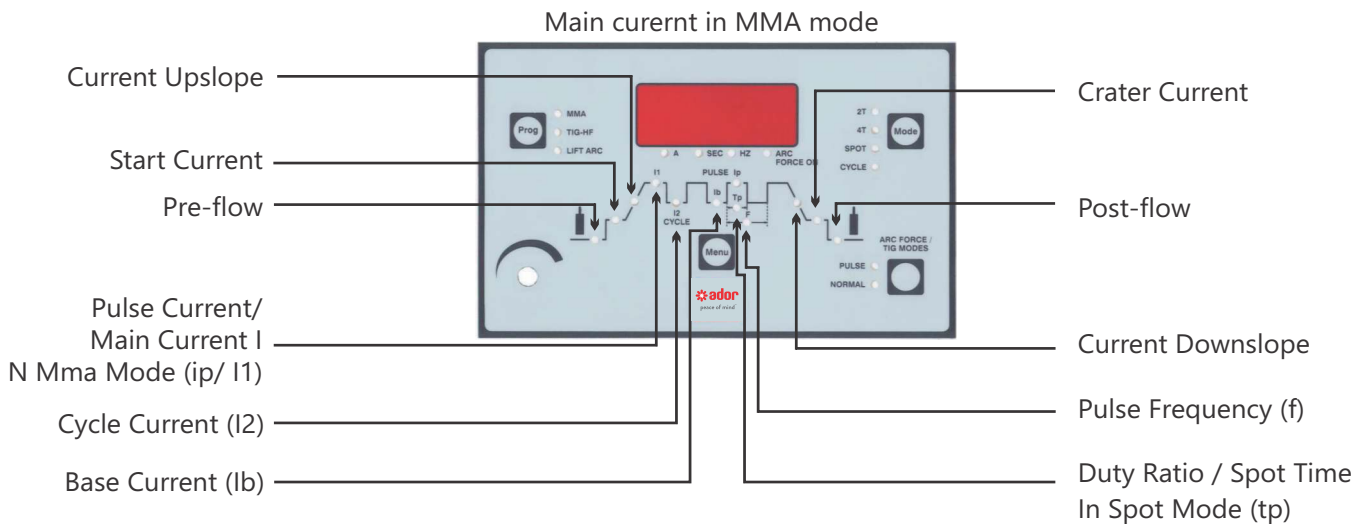
The World Class Inverter based DC TIG and DC Pulsed TIG Welder



### SALIENT FEATURES

- 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
- HF ignition
- Intelligent protection: over/under voltage, over current / temperature
- Water cooled Torch with water cooling unit option.
- Latest PWM inverter technology
- High efficiency (>85%)
- Smooth and stable arc with spatter less welding

### CONTROL PANEL FEATURES











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### SPECIFICATIONS





Technical Specifications	Unit	CHAMPTIG 400P	
<b>Input</b>			
Input Supply :			
Voltage 	Volt	415 , +15%, -10%	
Phase	No	3	
Frequency	Hz	50/60	
Efficiency @ 100% duty cycle	%	85	
Power Factor @ 100% duty cycle		0.94 Max	
Input KVA 		MMA Mode	TIG Mode
@ 100% duty cycle	KVA	13	10
@ No Load	KVA	0.13	0.13
<b>Output</b>			
Open Circuit Voltage 	Volt	70	
Welding Current Range 		MMA Mode	TIG Mode
Welding Current 	Amps	50-400	10-400
@ 100% duty cycle	Amps	310	
@ 60% duty cycle (10 min cycle)	Amps	400	
<b>Pulse TIG Parameters</b>			
Duty Ratio	%	10-90	
Pulse Frequency	Hz	0.5-10	
Base Current	Amps	10 - 90% of Ipulse current	
Pulse Current ( Ipulse)	Amps	10-400	
<b>General</b>			
Start current	Amps	10-400	
Current unpslope time	Sec	0-10	
Current down slope control	Sec	0-10	
Pre-Flow	Sec	0-5	
Post-Flow	Sec	0.1-20	
Crater current	Amps	10-400	
Current / Voltage Display		7-Segment LED Display for Current & Other parameters	
Ingress Protection	Class	IP23	
Cooling 	Type	Forced Air	
Insulation	Class	H	
Welding Output Terminals	-	Cam Lock connections	
Dimensions 			
Length	mm	660	
Width	mm	315	
Height	mm	485	
Weight (approx.) 	Kg	46	

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Cont.

<b>Water Cooling Unit</b>		
Input Supply Voltage (AC)	Volts	230
Phase	-	1
Frequency	Hz	50-60
Water Reservoir Capacity	Liters	8
Flow rate	Ltr/min	10
Dimensions 		
Length	mm	560
Width	mm	325
Height	mm	285
Weight (approx.) 	Kg	18
<b>Trolley</b>		
Dimensions 		
Length	mm	1005
Width	mm	500
Height	mm	109
Weight (approx.) 	Kg	35

- **Warranty** : One year from the date of commissioning. 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.