



AC/DC TIG WELDING MACHINE

A quality product from the house of high technology. Specially designed to meet your welding requirements. The machines are built to work under the extreme industrial/field conditions. All products are designed, manufactured & tested under one roof to ensure the quality.



TECHNICAL SPECIFICATIONS

(1) TIG Welding Machine
(A) Power Source Ac
Welding Current range (TIG)
Welding Current Range
Open circuit Voltage
Operating Arc Voltage
@ of 60% Duty Cycle
@ of 100% Duty Cycle
Rating Max
Insulation
Cooling
Input Supply Voltage
Phase

TD 400 A-D
Square wave AC/DC, rectifier DC
30-300
Max. 300
72V to 79V
10-24V
300A
230A
35.5KVA
H
Forced Air
300/440V
2 Lines of 3 Phase Supply

(B) AC/DC TIG Control Unit
Peak Current Range
Background Current Range
Peak Time
Background Time
Upslope Time (At max. peak Current Setting)
Downslope Time (At max. peak Current Setting)
Gas Prewflow Time
Gas Perflow Time
Arc Starting Method
Pulsed /Normal Model Selection Switch
Input Supply to Control Unit
Pulse Freq.

30 - 300A
30 - 300A
1.0 - 2.5 Sec.
1.0 - 2.5 Sec
1 - 3 Sec.
3 - 10 Sec
1 - 5 Sec
1 - 10 Sec
H.F. Superimposition
Through Sector
From Power Source
0.5 - 50 Hz.

TIG TORCH	AC	DC
Max Current Capacity		
@ 60%	270A	300A
@ 100%	270A	230A
Cooling		Air Forced/ Water

STANDARD SET OF INTER CONNECTION (OPTIONAL)

1. Welding Cable (5mtr.) with earthing clamp.
2. Set of welding cables (5mtr.) with end lugs-2 nos.
3. Gas House (3mtr.) with end connectors.
4. Set of water houses (5mtr.)with end connectors 2nos. For interconnection between the power source & the TIG control unit.

STANDARD ACCESSORIES FOR THE TIG TORCH (OPTIONAL)

1. Collects : 1.6, 2.4, 4, 3.2, 4.0
2. Cutlet Body : 1 No. each size
3. Alumina Nozzles Sizes : 6, 10, 12.5 (1 No. each size)
4. Tong Cap with 'O' Ring : 1 No.
5. O Ring for adopter : 3 Nos.
6. O Ring for caps : 2 Nos.



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Technical specifications are subjected to change because of continuous up gradation of products for better performance.