

NOVATIG

300 DC – 400 DC

Complete solutions for TIG DC welding



- Inverter technology
- Energy saving
- Digital V/A instruments as standard
- Prepared for foot control
- Storage possibility for welding programs
- 2-4 strokes torch control
- Selection for TIG DC – Pulsed TIG DC – MMA
- LiftArc or HF ignition
- Adjustable Pre-gas and Post-gas flow
- Adjustable Hot Start
- Adjustable Slope Up and Slope Down
- TIG DC spot welding
- Gas test
- Cooling system test
- Ready for automation

The **NOVATIG** series of inverter-based power sources represent a complete and ideal solution for TIG DC production welding in workshops and yards, or for repair and maintenance applications. Besides the TIG DC and Pulsed TIG DC processes, the new NOVATIG power sources offer excellent welding performance also in MMA with stick electrodes.

Professional, compact and extremely robust, these generators are suitable for quality DC welding of the largest range of metals, such as alloyed and non alloyed steels, stainless steels and cast iron.

The control panel is complete and very simple to use. A large LCD display with scrolling functions, together with the graphic indication system, allow to visualize and optimize all the typical and essential adjustments to obtain professional welds.

The panel is also provided with a series of leds related to the machine's diagnostics.

Equipped as standard with digital V/A instruments and prepared for foot control, the NOVATIG power sources can be matched with the latest series **TOTEM** trolleys, with the practical and exclusive tools compartment for the air cooled version, or with cooling unit for the water cooled version.

The solution is optimized by the lowered gas bottle loading shelf with double safety chain, TIG rods compartment and large diameter wheels (front: pivoting with brake, Ø 125 mm; rear: fixed Ø 250 mm) to provide an easier handling.

Applications

Carpentry
Constructions
Repair and maintenance
Civil yards
Ship yards
Energy generation
Transports



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Accessories

Welding cable 70 mmq. mt 4,0	3.610.200
SINCOTIG 26 torch, air, mt 4,0	TF.SK1401-52
TSINCOTIG 26 torch, air, mt 8,0	TF.SK1801-52
SINCOTIG 26 torch, Up/Down, air, mt 4,0	2.600.100
SINCOTIG 26 torch, Up/Down, air, mt 8,0	2.600.101
SINCOTIG 18 torch, water, mt 4,0	TF.SR1426-52
SINCOTIG 18 torch, water, mt 8,0	TF.SR1826-52
SINCOTIG 18 torch, Up/Down, water, mt 4,0	2.600.102
TSINCOTIG 18 torch, Up/Down, water, mt 8,0	2.600.103
Torch adapter water 50 mmq	TF.CX77
Torch adapter air 50 mmq	TF.CX80
5-pole Amphenol connector	1.070.001

Optional

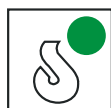
Foot control, mt 8,0	X.050.026
Welding helmet MAX Advanced	1.700.319
Pressure gauge with flux-meter	5.785.115

Technical Data

	NOVATIG 300 DC	NOVATIG 400 DC
Mains supply, three-phase	400V - 50/60 Hz	400V - 50/60 Hz
Fuse, slow	25A	32A
Max power rating	25A	32A
Noise level	< 70 dB	< 70 dB
Power at maximum current	17,3 KVA	22,1 KVA
Output, 100% duty cycle	250 A	300 A
Output, 60% duty cycle	270 A	350 A
Output, 40% duty cycle	300 A	400 A
Open circuit voltage	95V	95V
Power factor	0,96	0,96
Welding current range	5-300 A	5-400 A
Conform to standards	EN 60974 -1 - 5 - 10	EN 60974 -1 - 5 - 10
Application class	S	S
Usable stick electrodes	1.0 - 4.0 mm	1.0 - 6.0 mm
Dimensions, mm(LxWxH)	670 x 270 x 415	670 x 270 x 415
Weight, kg	34	35
Insulation class	H	H
Protection class	IP23	IP23
Cooling type	F	F
Operating temperatures	-10 to +40°C	-10 to +40°C

Ordering codes

Novatig 300 DC	W.008.034
Novatig 400 DC	W.008.035
Totem trolley, air cooling	K.003.022
Totem trolley, water cooling	K.003.021



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