



NOVATIG

300 - 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 led 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

Metal Industry in general
Construction
Riparation and maintenance
Civil shipbuilding
Shipyards
Energy plants
Transports



| Accessories | | Technical data | | |
|--|-----------|------------------------------|---------------------|---------------------|
| | | 300 DC | 400 DC | |
| Welding cable 70 mmq. mt 4,0 | 3.610.200 | 3phases feeding | 400 V | 400 V |
| Torch SINCOTIG 18 Mt.4 - Air | 8.620.400 | Fuse | 25 A | 32 A |
| Torch SINCOTIG 18 Mt.8 - Air | 8.620.800 | Max power rating | 25 A | 32 A |
| Torch SINCOTIG 26 Mt.4 - Air | 8.640.400 | Noise level | < 70 dB | < 70 dB |
| Torch SINCOTIG 26 Mt.8 - Air | 8.640.800 | Power at maximum current | 17.3 KVA | 22.1 KVA |
| Pression att. réducteur. ARGON | 5.790.914 | Duty Cycle 100% | 250 A | 300 A |
| SINCOTIG 18 torch,Up - Down Air - Mt.4.0 | 2.600.102 | Duty Cycle 60% | 270 A | 350 A |
| SINCOTIG 18 torch,Up - Down Air - Mt.8.0 | 2.600.103 | Duty Cycle 40% | 300 A | 400 A |
| SINCOTIG 26 torch,Up - Down Air - Mt.4.0 | 2.600.100 | Open circuit voltage | 95 V | 95 V |
| SINCOTIG 26 torch,Up - Down Air - Mt.8.0 | 2.600.101 | Power | 0.96 | 0.96 |
| 5 - pole Amphenol connector | 1.070.001 | Welding current range | 5 – 300 A | 5 – 400 A |
| OPTIONAL | | Conform to standards | EN 60974-1 - 5 - 10 | EN 60974-1 - 5 - 10 |
| Foot control, mt 8,0 | X.050.026 | Application Class | S | S |
| Welding helmet MAX Advanced | 1.700.319 | Usable stick electrodes | 1 - 4 mm | 1 - 4 mm |
| Pressure gauge with flux-meter | 5.785.115 | Dimensions, mm (L x W x H) | 670 x 270 x 415 | 670 x 270 x 415 |
| | | Weight, kg | 34 | 35 |
| | | Insulation Class | H | H |
| | | Protection Class | IP 23 | IP 23 |
| | | Cooling System | F | F |
| | | Operating temperatures | - 10 + 40 °C | - 10 + 40 °C |

Items number

| | |
|---------------------------|-----------|
| NOVATIG 300 DC | W.008.034 |
| NOVATIG 400 DC | W.008.035 |
| TROLLEY TOTEM Air Cooling | K.003.022 |
| TROLLEY TOTEM H2O Cooling | K.003.021 |



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