



MasterTig 4000 MLS TIG Water Cooled



MasterTig 4000 MLS - Water Cooled

Main Applications

- Installation and setup
- Repair and maintenance
- Shipbuilding and offshore
- Chemical and process industry
- Piping and pressure vessel tank

Advantageous

- Compact and sturdy TIG welding inverters. They are suitable for TIG and MMA welding using DC current
- MasterTig MLS 4000 is more powerful 3 phase current device models, modern design techniques and materials are used in structure, electronics and electro mechanics, delivering a stylish and refined package
- Synergic pulse and Long pulse function increases the welding speed and quality of the welds
- Sturdy structure ensures durability even in a demanding outdoor environment
- Suitable for generator use

Specifications

TIG load capacity at 40°C

TIG welding range	5 A / 10.0 V ... 400 A / 26.0 V
At 30 % duty cycle	400 A / 26.0 V
At 60 % duty cycle	320 A / 22.8 V
At 100 % duty cycle	270 A / 20.8 V
Rated power at max. current	13.8 KVA
Tungsten range	1.6 - 4.0 mm

MMA load capacity at 40°C

MMA welding range	10 A / 20.5 V ... 350 A / 34.0 V
At 40 % duty cycle	350 A / 34.0 V
At 60 % duty cycle	285 A / 31.4 V
At 100 % duty cycle	220 A / 28.8 V
Rated power at max. current	15 KVA
Electrode range	Ø 1.5 ... 6.0 mm
Open circuit voltage, max.	80 V DC
Welding current adjustment	Stepless
Input phase	3 Phase
Main voltage, Tolerance	400 V, -15 % ... +20 %
Connection cable / fuse	4 x 2.5 mm ² - 5.0 m / 16 A
Efficiency at max. current	0.86
Power factor	0.95
Index protection	IP 23 C
Dimensions (L x W x H)	500 x 180 x 390 mm
Weight	23 Kg

Item Code	Item Name	MoQ
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102.10.005.2	MasterTig 4000 MLS - TIG Water Cooled Package	1 Set
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- TIG DC IGBT inverter - MTZ panel
- Gas hose with coupler



Item Code	Item Name	MoQ
Standard Accessories		
102.10.005	TIG DC IGBT Inverter - MasterTIG 4000 MLS	1 Unit
202.12.003	Plug to Ground Clamp 600 A, size 50 mm ² at 3 m	1 Set
202.18.001	Connection Kit Master TIG MLS	1 Set
208.06.003	Lug to Socket, 50 mm ² , 0.25 m	1 Set
201.23.001	Argon Gas Regulator	1 Pcs
102.10.007	TIG DC IGBT Inverter - Master Cool 10	1 Unit
503.01.028	Quick Connector Water	1 Set

Standard Alternative

203.16.013	Tig Torch - SINTIG 18 at 4 m	1 Set
203.16.014	Tig Torch - SINTIG 18 at 8 m	1 Set
203.16.017	Tig Torch - SINTIG 20 at 4 m	1 Set
201.22.009	Welding Helmet - Solarmatic Blue	1 Pc
201.22.010	Welding Helmet - Solarmatic Red	1 Pc
201.22.011	Welding Helmet - Solarmatic Green	1 Pc

Optional Accessories for SMAW / MMA

208.03.005	Plug to Electrode Holder 400 A, 50 mm ² at 5 m	1 Set
208.03.006	Plug to Electrode Holder 400 A, 50 mm ² at 10 m	1 Set

General Accessories

208.19.001	Torch Holder - TIG	1 Pcs
137.01.001	Tungsten Grinder - 240V-50/60HZ - Neutrix	1 Unit
202.19.004	Transport unit - MT130 for Master Tig MLS	1 Unit



Material	Thickness mm	Tungsten Ø mm	Welding Current A	Alumina Ceramic Nozzle
Steel / Stainless Steel	1.0	1.6	10 - 60	4
	1.5	1.6	40 - 80	5
	2.0	1.6	70 - 120	5
	3.0	1.6 - 2.4	90 - 150	6
	4.0	2.4	140 - 180	7
Copper	1.0	1.6	60 - 80	4
	1.5	1.6	100 - 150	5
	3.0	2.4	150 - 180	6