

Newarc RT4000/5000



Inverter Power Sources



NA9910310

Professional welding technology

for industry

These powerful 400-A and 500-A air or water cooled power sources enable high-quality TIG welding with perfect arc ignition every time – even when used with helium.

They offer excellent cost and energy savings through high efficiency, power factor and on-demand cooling features. The robust external casing provides reliable protection for the power source even in the most extreme conditions.

The units are also lightweight and portable, making them ideal choices for challenging work sites, including offshore, shipyard, construction, petrochemical and nuclear facilities. The RT5000 in particular delivers excellent performance in high current, high duty cycle applications such as automation and robotics.



Main features

- TIG and MMA DC Welding
- Gas time adjustment
- Variable current slope
- 2T or 4T torch switch operation
- Digital current display
- Robust construction to withstand extreme environments
- Powerful HF striking system provides arc initiation every time even when using Helium gas



Ideal for offshore, shipyards, construction, petrochemical and nuclear industries or anywhere quality TIG and MMA welding is required. The RT5000 is ideal for high current, high duty cycle applications such as automation and robotics.

Technical data

Newarc	RT4000	RT5000
Power voltage (V)	360-480 Volts 3 Phase 50/60Hz	380-480 3 Phase 50/60Hz
Input Current at Max Output	25 amps	33 amps
Power Consumption	18 KVA	25 KVA
Recommended Mains Fuse	32A slow blow or type C MCB	40A slow blow or type C MCB
Mains Cable	4 x 4.0mm ² flexible cable	4 x 4.0mm ² flexible cable
Power Factor	0.95	0.95
Max Output Current	400 amps	500 amps
Open Circuit Voltage	>80V	>90V
Current Control	25-400A Infinitely Variable	25-500A Infinitely Variable
Duty Cycle at 40°C	100% @400A 100% @350A	60% @500A 100% @400A
Electrode Size	1.6 – 6.3	1.6 – 6.3
Insulation Class	F	F
Dimensions (L x W x H) (mm)	450 x 310 x 570	
Weight (kg)	33	37

Ordering information

Description	Part number
Newarc RT4000, 400A TIG/MMA Inverter power source	NA9910310
Newarc RT5000, 500A TIG/MMA Inverter power source	NA9910311
4M TIG Torch air cooled	RWN26-12SS
4M TIG Torch watercooled	RWN20-12ss
5m x 50mm ² Earth assembly	NAM91006
5m x 50mm ² Electrode assembly	NAM91003
Trolley	NA9910802
Watercooler	NA9910502
1S 2G Argon Regulator	AE3005LX
RPC300 Pulse control unit	NA9910703
RC300 Remote control unit	NA9910701
RFP300 Remote foot control	NA9910702

Additional equipment

Remote Control unit RC300

The RC300 remote control unit allows the operator to control the welding current at point of weld.

TIG Welding Unit TIG300

The TIG 300 HF control unit may be connected to the R2500 unit to enable TIG welding to be carried out at up to 100 meters from the power source.

RFP300 Remote Foot Control

Provides infinite control of the welding current in TIG mode.

