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Product Brochure For W169

# TIG /MMA Welder - VIPER™ 180 AC/DC

#KUM-M-VTIG180ACDC

5-180 Amps Welding Current Range




| | |
|---|---|
| ORDER CODE: | W169 |
| Type: | TIG WELDER |
| MODEL: | VIPER™ 180 AC/DC |
| Part Number: | #KUM-M-VTIG180ACDC |
| Voltage / Amperage (V / amp): | 240 / 10 |
| Recommended Plug (amp): | 10 |
| Input Frequency (Hz) (Hz): | ~ |
| Input Current (amp): | 24 |
| Imax (A) (amp): | ~ |
| Ieff Current (amp): | 8 |
| Power Rating (kVA): | ~ |
| Rated Output Current (amp / V): | ~ |
| Range of Output Current (amp): | 180 - TIG & 130 - MMA |
| Arc Force (amp): | 0 - 40 |
| No Load Voltage (V): | 70 |
| Pre-Flow (S) (sec): | 0.1 - 3 |
| Clean Width (%) (%): | ~ |
| Slope-Down Time (S) (sec): | 0 - 15 |
| Post-Flow Time (sec): | 0.5 - 15 |
| Base Current (%): | ~ |
| Pulse Frequency (Hz): | 0.2 - 200 |
| Pulse Duty Cycle (%): | 10 - 90 |
| TIG Welding Thickness Range (mm): | ~ |
| MMA Welding Thickness Range (mm): | ~ |
| MMA Electrode Range (mm): | ~ |
| Duty Cycle 40 Deg C - TIG (% @ amp): | 10 @180 |
| Duty Cycle 40 Deg C - MMA (% @ amp): | 10 @ 130 |
| Duty Cycle 40 Deg C - Plasma (% @ amp): | ~ |
| Plasma Severance Cut Capacity Carbon Steel (mm): | ~ |
| Plasma Production Cut Capacity Carbon Steel (mm): | ~ |
| Plasma Production Cut Capacity Aluminium (mm): | ~ |
| Dinse Connector: | ~ |
| Protection Class: | IP21S |
| Insulation Class: | F |
| Standard: | ~ |
| Remote Control (Yes / ~): | ~ |
| Recommended Generator (kVA): | 9 |
| Efficency (%): | ~ |
| Power Factor: | ~ |
| Dimensions (mm): | 502 x 218 x 382 |
| Nett Weight (kg): | 12.8 |

## Description

The VIPER TIG 180 AC/DC is the perfect AC/DC TIG & STICK Welder for the DIY Enthusiast wanting both AC and DC TIG welding capabilities at an affordable price. Fitted with a 10 AMP Plug, this machine excels in the home workshop. The VIPER TIG 180 AC/DC allows for full control over the TIG welding process to ensure you can maximise your results from start to finish. Controllable parameters include Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time, among many others.

The all-new ARC TORCHOLOGY T2 TIG Torch comes standard with the VIPER TIG 180 AC/DC, offering up to 30% more power and longer consumable life-cycles. A Remote Foot Control (UTJRFC-4) can also be plugged into the machine for even more versatility. With all of these features packed into an affordable package, the VIPER TIG 180 AC/DC is a must-have for any DIY TIG enthusiast.

10 AMP PLUG
Plug and play. A 10 AMP power plug can be used on any domestic outlet. It's perfect for the DIY home handyman or the professional welder

looking for a machine that can be used almost anywhere.

HIGH-FREQUENCY TIG
No need to arc up. High-Frequency TIG (H/F TIG) gives you more control when starting and stopping the arc. The arc can be started without contacting the workpiece reducing the risk of contaminating the tungsten or the weld.

PULSE FUNCTION
Going a little thin on top? Pulse TIG function allows you to control the heat, which in turn helps minimise distortion in the parent material. This is exceptionally useful on thin gauge materials.

## Features

- 10 AMP Plug
- AC/DC H/F TIG & PULSE TIG
- Pre Gas 0.1 - 3.0 sec
- Start Amperage 5 - 160A
- Up Slope 0 - 10 sec
- Peak Amp 5 - 180A
- AC Square Wave 20 - 250Hz
- AC Balance Control ±10
- Down Slope 0 - 15 sec
- Adjustable Finish Amperage 5 - 180A
- Post Gas 0.5 - 15.0 sec
- STICK (MMA) with ARC FORCE
- Thermal overload protection
- IP21S rating for environmental/safety protection
- Generator compatible (recommend KVA minimum)
- VRD (Voltage Reduction Device)
- Foot Control Ready

## Includes

- VIPER TIG 180 AC/DC Power Source
- 4m High Performance T2 TIG Torch (including consumables)
- 4m Twist Lock Electrode Holder
- 300 Amp Earth Clamp & Lead
- Argon Flowmeter Regulator
- 2m Gas Hose Complete with fittings
- Operating Manual

## Optional Accessories

- Foot Control (W172A)
- Stand (W174B)

## Specific Features



Side View


Front View



Right View

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## Recommended Accessories

W241
Universal Welder Trolley



W2415
TRI-CART Multi-Machine Welding Trolley




W501A
M350 MIG Torch Consumables Starter Kit




W504A
T2 Tig Torch Consumable Pack




W10361
Magnetic TIG Torch Rest



W119
Anti-Spatter Spray




O0185
CO2/Ar - 86% Argon & 14% Carbon Dioxide Disposable Cylinder




O300
Gas Refillable Cylinder



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O304
Gas Refillable Cylinder



O3045
Gas Refillable Cylinder



O302
Gas Refillable Cylinder



O306
Gas Refillable Cylinder



O3065
Gas Refillable Cylinder



O0171
Argon Gas Regulator



W161
Argon Gas Regulator-Bobbin Flowmeter



W160A
Argon Gas Regulator-Twin Gauge



W5991
Ø10mm Ceramic Nozzle



W5993
1.6mm Collet Body



W5994
2.4mm Collet Body



W5996
Head Gasket



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W5997
Heat Isolator




W5998
Long Black Cap




W5999
Short Back Cap



W590
1.6mm Tig Tungsten Electrode - Zirconiated White




W596
2.4mm Tig Tungsten Electrode - Zirconiated White




W597
1.6mm Tig Tungsten Electrode - Ceriated Grey




W598
2.4mm Tig Tungsten Electrode - Ceriated Grey




W002
Auto Darken Welding Helmet - 9~13 Shade



W1000A
Promax HV5 Welding Jacket



W1001A
Promax Blue FR Welding Jacket




W1002A
Professional Promax BL7 Welding Jacket



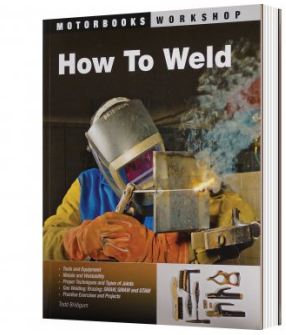

W100
ROGUE™ Heavy Duty Welding Gloves - 400mm



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# Product Brochure For W169

L3456
How to Weld Book




W225
Welding Curtain



W125
Ø1.6mm TIG Filler Rod - Mild Steel



W126
Ø2.4mm TIG Filler Rod - Mild Steel



W127
Ø1.6mm TIG Filler Rod - Stainless Steel



W128
Ø2.4mm TIG Filler Rod - Stainless Steel

