

## VIPER MULTI 180



**3 YEAR**  
WARRANTY

The VIPER MULTI 180 is the perfect multi-process machine for all those home repairs and hobby projects you've got planned.

### Key Features

- Synergic MIG Programs
- Spool Gun Ready
- Geared Wire Drive
- Pulse TIG
- Pulse MMA

### Package Contents

- VIPER MULTI 180 Welder
- 3m Binzel 15 Style MIG Torch
- 4m Twist Lock Electrode Holder
- 4m 200 Amp Earth Clamp & Lead
- Dual Stage Flowmeter
- 2m Gas Hose Complete with Fittings
- Operating Manual
- 0.8-0.9mm V Groove Roller
- 0.8-0.9mm F Groove Roller
- 0.9-1.0mm U Groove Roller

### Specifications

SKU	U11638
Primary Input Voltage	240V Single-Phase
Supply Plug	10 AMP
Open Circuit Voltage - OCV (V)	67
Protection Class	IP21S
Insulation Class	H
Minimum Generator (kVA)	9
Standard	AS 60974.6
MIG Duty Cycle @ 40°C	10% @ 180A, 60% @ 75A, 100% @ 57A
TIG Duty Cycle @ 40°C	10% @ 180A, 60% @ 75A, 100% @ 57A
MMA Cycle @ 40°C	10% @ 160A, 60% @ 65A, 100% @ 51A
Driver Rollers	30/22
Dimensions (mm)	523x214x388
Weight (kg)	11.1
Package Dimensions (cm)	62x42x40
Package Weight (kg)	19

# Machine Overview

## Key Features

### Smart Fan

Smart Fan diminishes noise, saves power, helps reduce energy costs, and minimises the number of contaminants being pulled through the machine.

### DC Lift Arc Start TIG

Lift Arc ignition allows the arc to be started easily in DC TIG by simply touching the tungsten to the workpiece and lifting it up to start the arc. This stops the tungsten tip sticking to the workpiece and breaking the tip from the tungsten electrode.

### Pulse TIG

Minimise the heat input without compromising on any of the penetration. Alternating between a peak and base current reduces the amount of heat input and focuses the arc, perfect for sheet metals and out-of-position welding.

### Job Memory

The job memory function allows you to enter and store weld parameter settings. Weld parameters can be further adjusted and stored as required. A total of 9 Jobs can be memorised and stored for recall.

### Generator Compatible

Going off the grid? The VIPER MULTI 180 can be connected to a generator, we recommend one with at least 9kVA.

### IP21S Rating

Rated IP21S, so it's protected from touch by fingers and objects greater than 12mm, and water spray from a vertical direction.

## MIG Features

### Synergic MIG

Setting up for a weld has never been easier with our preset synergic programs. Simply select your wire type, wire size and material thickness and you're ready to weld!

### Spool Gun Ready

Make welding aluminium even easier. No need to change your existing setup. The spool gun lets you quickly switch over and get any job done with no downtime.

### Burnback Adjustment

Stop your wire from ever fusing with your weld or your contact tips again. Tune your burnback control to suit how much wire you want to remain sticking out from your torch when you finish a weld.

### Gas-Shielded & Gasless Wires

This machine supports both gas-shielded MIG and gasless MIG, meaning you can run mild steel, stainless steel, aluminium as well as flux-cored MIG wires.

### Inductance Control

Change the frequency of your short circuit MIG welds with the Inductance settings, so you can choose your preferred arc characteristics.

### Geared Wire Drive

This machine features a geared roller drive unit, providing consistent and smooth wire feed, and it helps when using longer MIG torches.

## MMA Features

### Pulse MMA

Pulse MMA welding helps reduce spatter, improves heat control and allows for an easier removal of slag. It also improves the speed and efficiency of vertical up welds by eliminating the use of the "Christmas Tree" technique, while still maintaining root fusion.

### Hot Start

The Hot Start feature gives a boost of current at the beginning of your weld, stabilising your ignition and eliminating any issues with striking an arc, especially on difficult electrodes.

### Arc Force

The Arc Force feature helps to keep the arc stabilised throughout the weld, by increasing or decreasing the peak current to compensate for your arc length, preventing the arc from cutting out or the electrode from sticking.

### Anti Stick

The Anti Stick feature, which is always on, prevents your electrode from sticking to your workpiece. When the machine detects sticking, the current will drop significantly, so the electrode can be removed.