



Diversion™ 180 AC/DC TIG

See literature AD/1.5

Professional-grade arc in a package designed specifically for personal users. Contains all of the features you need — simplicity combined with superior performance and value.



TIG Welding Capability

Max. 4.8 mm (3/16 in.)	Max. 4.8 mm (3/16 in.)
Steel	Aluminum
Min. 0.6 mm (0.025 in.)	Min. 0.75 mm (0.030 in.)



Multi-voltage plug (MVP™) allows for connection to 120- or 240-volt receptacles without tools. Choose the plug that fits the receptacle and connect it to the power cord.

Fan-On-Demand™ power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

Auto-postflow adjusts the length of postflow time based on the amperage setting, shielding your tungsten and eliminating the need to set the postflow time.

Advanced squarewave AC provides a fast freezing weld puddle and deeper penetration.

Weldcraft™ A-150 torch with Diamond Grip™ provides more comfortable grip and reduces operator fatigue.

Easy-to-understand operator interface. Power up, select material type, set material thickness range and start welding!

Inverter-based AC/DC power source provides a more consistent welding arc while using less power.

HF arc starting for non-contact arc initiation that reduces tungsten and material contamination.

Portable. Easy to transport at 23 kg (50 lb.).

*While idling.

AC/DC	Stock Number (907627)	Input Power	Welding Amp Range	Rated Output	Amps Input at Rated Output	KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
		115 V	10-125	125 A at 15 V, 35% duty cycle	26.5 (.88*)	3.1 (.1*)	3.0 (.03*)	80 VDC	H: 433 mm (17 in.) W: 251 mm (9.875 in.) D: 608 mm (23.875 in.)	23 kg (50 lb.)
		230 V	10-180	150 A at 16 V, 20% duty cycle	16 (.44*)	3.7 (.1*)	3.6 (.03*)			
				180 A at 17.2 V, 10% duty cycle	20.5 (.44*)	4.7 (.1*)	4.6 (.03*)			

Maxstar® 161 STL and STH DC TIG and Stick

See literature DC/27.5

Maximum portability and performance provided in one compact TIG/stick package.



Maxstar 161 STH TIG/stick package with remote fingertip control (907711001) shown — includes X-CASE.

TIG Welding Capability

Max. 4.8 mm (3/16 in.)
Steel
Min. 0.5 mm (0.020 in.)

Two models available.

STL: DC TIG/stick with Lift-Arc™ starting without high frequency.

STH: DC TIG/stick with high frequency and Lift-Arc™ starting, plus built-in pulsing from 0-150 pulses per second.

AUTO-LINE TECHNOLOGY Allows for any input voltage hook-up (120-240 V) with no manual linking.

Portable with adjustable handle/shoulder strap. Easy to transport at only 5.9 kg (13 lb.).

Built-in gas solenoid eliminates need for a bulky torch with a gas valve.

Digital meter for more precise control.

Fan-On-Demand™ power source cooling system.

Superior stick arc performance even on the difficult-to-run electrodes like E6010.

*Sense voltage for stick and Lift-Arc™ TIG.

DC	Model/Stock Number	Model/Stock Number	Welding Process	Input Power	Welding Amp Range	Rated Output	Amps Input at Rated Output, 50/60 Hz	KVA at Duty Cycle	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
	Maxstar 161 STL (907710) Power source only	Maxstar 161 STH (907711) Power source only	TIG	120 V	5-130	130 A at 15.2 V, 30% duty cycle	22.6	2.73	2.70	48 VDC (12-16 VDC*)	H: 262 mm (10.3 in.) W: 142 mm (5.6 in.) D: 343 mm (13.5 in.)	5.9 kg (13 lb.)
	(907710001) TIG/stick package with remote fingertip control	(907711001) TIG/stick package with remote fingertip control		240 V	5-160	160 A at 16.4 V, 20% duty cycle	15.05	3.62	3.49			
			Stick	120 V	20-90	90 A at 23.6 V, 30% duty cycle	23.16	2.78	2.76			
				240 V	20-160	160 A at 26.4 V, 20% duty cycle	22.55	5.41	5.25			

Light industrial CC DC 1 Phase

Processes

- TIG (GTAW) • Stick (SMAW)
- Pulsed TIG (GTAW-P) with STH model

Comes with

- 2 m (6.5 ft.) 120 V and 240 V power cords
- 4 m (13 ft.) electrode cable with holder and 25 mm Dinse-style connector
- 3 m (10 ft.) work cable with clamp and 25 mm Dinse-style connector
- Air-cooled TIG torch connector
- Quick-reference guide

TIG/stick packages include above plus

- 3.8 m (12.5 ft.) Weldcraft™ A-150 TIG torch (WP1712RDI25)
- Protective X-CASE™ (301429)
- Flow gauge regulator with hose
- AK2C TIG torch accessory kit
- RCCS-6M remote fingertip control (packages 907710002 and 907711001 only)