

# Diversion™ 165

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**TIG Welding  
Power Source** 

## Quick Specs

### Personal User Applications

Chassis/Frame Fabrication  
Aluminum Oil Pans  
Stainless Exhaust  
Weld Repair on Home Equipment  
Metal Art  
Vocational Training

### Processes

TIG (GTAW)

### Input Power

230 V, 1-Phase Power

### Rated Output

**DC:** 150 A at 16 VDC, 20% Duty Cycle  
**AC:** 150 A at 16 VAC, 20% Duty Cycle

### Amperage Range

10–165 A

### Max. Open-Circuit Voltage

80

### Weight

50 lb (23 kg)

## The Power of Blue.®



The Personal User's TIG Machine



### NEW! Easy-to-understand operator interface.

1. Power-up
  2. Select material type
  3. Set material thickness range—then weld!
- It's as easy as 1, 2, 3.

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

**Portable.** Whether it's in the shop, garage or at the race track, at 50 lb it can be taken anywhere.

**HF start** for non-contact arc starting that eliminates tungsten and material contamination.

**Fan-On-Demand™** reduces noise and maintenance by lessening the amount of airborne contaminants pulled through the machine, while sufficiently cooling thermally protected internal components.

**Auto-Postflow** provides optimum shielding based on welding amperage without waste or need for adjustment.



*Just supply Argon gas,  
filler rod, gloves and helmet  
and you're ready to weld!*

### Comes complete with:

- Power source with primary cord (50 A, 230 V plug, attached)
- 12.5 ft (3.8 m) LS17 Weldcraft® TIG torch with backcap, ceramic gas cup, 3/32 in (2.4 mm), collet and collet body, and 2% ceriated tungsten
- 12 ft (3.7 m) work cable and clamp
- Smith® Argon regulator/flow gauge with hose
- TIG Welding for Dummies book with content written by Miller
- Set-up and operation DVD
- Welding project blueprint for a machine cart/cylinder rack

**Fully adjustable amperage control** from 10–165 amps DC and AC.

**NEW! Weldcraft® LS17 TIG Torch.** 150 A, air-cooled torch features the hand controlled amperage adjustment built into the handle of the torch.

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

## Specifications (Subject to change without notice.)



Mode	Welding Amperage Range	Rated Output at 20% Duty Cycle	Amps Input at Rated Output, 60 Hz, 1-Phase	KVA	KW	Max. Open-Circuit Voltage	Dimensions	Net Weight
AC	10–165 A	150 A at 16 VAC	230 V: 21 A (.64)*	4.9 (.04)*	3.6 (.02)*	80	H: 17 in (433 mm) W: 9-7/8 in (251 mm) D: 23-7/8 in (608 mm)	50 lb (23 kg)
DC	10–165 A	150 A at 16 VDC	230 V: 23 A (.50)*	5.3 (.04)*	3.9 (.02)*			

 Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

\*While idling.



Power source is warranted for 3 years, parts and labor.  
Original main power rectified parts are warranted for 5 years.

MADE IN **USA**  
APPLETON, WI



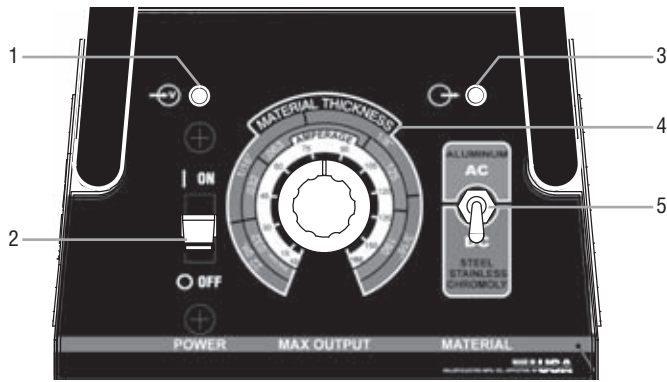
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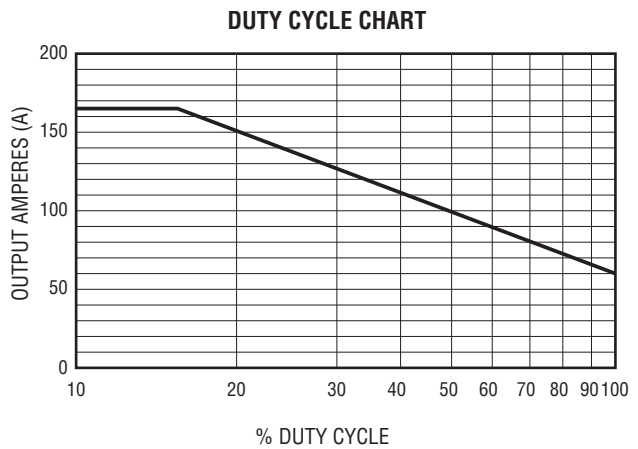


## Control Panel



1. Power On LED
2. Power Switch
3. Output Indicator LED
4. Material Thickness/Amperage Control
5. Material Switch

## Performance Data



## Miller Accessories



**RFCS-RJ45**  
**#300 432**  
 Remote foot control for Diversion Series



**TIG Welding Gloves**  
**#227 813** Small  
**#227 814** Medium  
**#227 815** Large  
**#227 816** X-Large  
 Designed to meet the specific requirements high-quality TIG welding demands. Made from soft grain goatskin. Sewn with Kevlar® thread.



**Running Gear/Cylinder Rack #770 187**  
 Heavy-duty construction. For gas cylinders no larger than 7 in (178 mm) diameter, maximum weight 100 lb (45 kg).

## Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
Diversion® 165	#907 005	Single-phase, 230 V, 50/60 Hz		
<b>Accessories</b>				
RFCS-RJ45	#300 432	Remote foot control for the Diversion Series		
Running Gear/Cylinder Rack	#770 187			
TIG Welding Gloves		See above		

Date:

Total Quoted Price:



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