

# INVERTEC® V276

## WEATHER-RESISTANT STICK AND TIG WELDER



Shown:  
K4868-2 Invertec® V276

The Invertec V276 stick and TIG power source is ideal for outdoor construction applications. This small package delivers outstanding performance on a wide range of electrode types and sizes. Plus it is built rugged enough to handle the toughest construction sites.

### Processes »

Stick, TIG, Gouging

### Applications »

Construction, Fabrication,  
Maintenance, Repair

### Output »



### Input »



### Product Numbers »

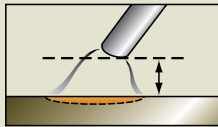
- K4868-1 Invertec V276 - Tweco® Model
- K4868-2 Invertec V276-Twist Mate® Model



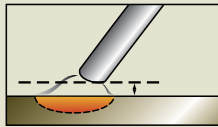
Two Year Extended  
Warranty Available in  
the U.S.A. and Canada

## KEY FEATURES

- **Outstanding AWS E6010 and E7018 performance** - using up to 7/32 in. (5.5 mm) diameter electrode that enables both whip and drag techniques for a variety of construction and fabrication applications.
- **Touch Start TIG®** - allows the welding arc to be established without high frequency starting.
- **Air carbon arc cutting and gouging** - with up to 3/16 in. (4.8 mm) diameter carbon electrode.
- **Selectable Hot Start** - turn it on for an extra boost of output to help you fire off and prevent sticking to the work piece.
- **Variable Arc Force** - dial in the “soft” or “crisp” arc you want.



Soft



Crisp

- **All-in-one machine** - 208/220/230/380/400/415/440/460/575 – single or three phase input volt settings.
- **Digital meters** - Provides precise control of output settings

## KEY CONTROLS

1. Amp/Volt Meter
2. Amps Control
3. Thermal Protection Indicator
4. Hot Start Control
5. Arc Force Knob
6. On/Off Switch
7. Negative and Positive Output Terminals
8. Remote Output Control Receptacle - 6-Pin
9. Mode Selection Switch (Stick/Touch Start TIG®)
10. Local/Remote Output Control



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## RACK OPTIONS



K4869-1 Invertec V276 4-Pack Rack



K4869-2 Invertec V276 8-Pack Rack

## RECOMMENDED ACCESSORIES

### GENERAL OPTIONS



**Tweco™ Style Plug (male)**  
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm<sup>2</sup>) cable.  
**Order K3416-70**



**Tweco™ Style Receptacle (female)**  
For connecting welding cable to output terminal receptacles. For 2/0-3/0 (70-95 mm<sup>2</sup>) cable.  
**Order K3417-70**



**TwistMate® Style Plug (male)**  
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm<sup>2</sup>) cable.  
**Order K1759-70**



**TwistMate® Style Receptacle (female)**  
For connecting welding cable to output terminal receptacles. For 1/0-2/0 (50-70 mm<sup>2</sup>) cable.  
**Order K852-70**



### STICK OPTIONS

**Accessory Kit**  
For stick welding. Includes 35 ft. (10.7 m) 2/0 electrode cable with lug, 30 ft. (9.1 m) 2/0 work cable with lugs, headshield, filter plate, cover plate, work clamp and electrode holder. 400 amp capacity.  
**Order K704**



**Accessory Kit**  
For stick welding. Includes 20 ft. (6.1 m) #6 electrode cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, headshield, work clamp, and electrode holder. 150 amp capacity.  
**Order K875**



**Remote Output Control**  
Consists of a control box with choice of two cable lengths. Permits remote adjustment of output. 6-pin connection.  
**Order K857 for 25 ft. (7.6 m) Order K857-1 for 100 ft. (30 m)**

### TIG OPTIONS



**17V Air-Cooled TIG-Mate™ Starter Kit**  
Get everything you need for TIG welding in one complete easy-to-order kit packaged in its own portable carrying case. Includes: PTA-17V Ultra-Flex™ torch, parts kit, Harris flowmeter/regulator, 10 ft. (3.0 m) gas hose, and work clamp and cable.  
**Order K2265-1**



**Tweco™ Torch Adapter**  
Allows a one-cable TIG Torch to connect to the machine's Tweco® style output terminal.  
**Order K960-4**



**Foot Ampctrl™**  
Provides 25 ft. (7.6 m) of remote output control for TIG welding (6-pin plug connection).  
**Order K870**



**Hand Ampctrl™**  
Provides 25 ft. (7.6 m) of remote current control for TIG welding (6-pin plug connection). Velcro straps secure torch.  
Order K963-3 (One size fits all Pro-Torch™ TIG Torches.)

## PRODUCT SPECIFICATIONS

| Product Name                         | Product Number | Input Power Voltage/Phase/Hertz | Rated Output Current/Voltage/Duty Cycle        | Input Current @ Rated Output             | Output Range | H x W x D inches (mm)                   | Net Weight lbs. (kg) |
|--------------------------------------|----------------|---------------------------------|--|--|--------------|---|----------------------|
| Invertec® V276 (Tweco®) <sup>1</sup> | K4868-1        | *208/230/460/575/3/60           | *275A/31V/35%<br>250A/30V/60%<br>200A/28V/100% | */37/19/16<br>35/33/17/14<br>27/25/13/11 | 20-275       | 13.6 x 9.0 x 20.25<br>[345 x 229 x 514] | 54.5<br>(24.7)       |
| -or-                                 | -or-           | *208/*230/460/575/1/60          | *275A/31V/35%<br>250A/30V/60%<br>200A/28V/100% | */*/37/31<br>65/60/33/27<br>49/50/26/21  |              |   |                      |
| Invertec® V276 (Twist Mate)          | K4868-2        | 220/380/400/415/440/3/50        | 250A/30V/60%<br>200A/28V/100%                  | 30/19/18/18/17<br>23/14/14/14/13         |              |   |                      |
|                                      |                | 220/380/400/415/440/1/50        | 250A/30V/60%<br>200A/30V/60%                   | 58/37/36/34/34<br>44/29/27/26/24         |              |   |                      |

\*Rating not applicable for 208VAC three phase or 208/230VAC single phase.

For best welding results with Lincoln Electric® equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details.

### CUSTOMER ASSISTANCE POLICY

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**The Lincoln Electric Company**  
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