

Designed and engineered for durability & reliability

The Invertec 270-T *PULSE* has been designed and manufactured using the latest digital inverter technology allowing this machine to combine a rugged industrial construction with excellent arc characteristics. The Invertec 270-T *PULSE* is manufactured in a lightweight but robust outer casing, making it portable and ideal for operation, even in the most hazardous environments. The flexibility and generator compatibility of the V270-T *PULSE* allows it to be utilized anywhere on sites and workshops. The Invertec V270-T *PULSE* is supplied as standard with all the features you would expect from a professional TIG welding machine including HF TIG ignition, Lift TIG ignition, 2 or 4 step, variable down slope and post flow control. The V270-T *PULSE*, in addition, has a digital pre-set meter with a Hold Function and a built-in Variable Pulse. The control panel of this machine has

been designed to show the welding sequence, making it user friendly and easy to understand. A unique feature is the variable high frequency PULSE that allows the welder to adjust arc focus to suit the application. This will reduce heat input, resulting in a more controlled weld, less distortion and increased welding speed.

The V270-T *PULSE* is air-cooled as standard. However by adding the Coolarc 20 water-cooler the unit is changed into a professional water-cooled TIG welder.

The Invertec V270-T *PULSE* is made with a solid industrial construction, designed with the integrated features of a professional TIG welding machine capable of the toughest jobs.

ADVANTAGE

- ✓ Excellent arc characteristics, for a wide range of electrode types
- ✓ Input voltage compensation
- ✓ Generator compatible, ideal for site use
- ✓ HF and Lift TIG ignition meeting all requirements
- ✓ Full function user-friendly control panel layout for easy setup of welding parameters
- ✓ Air-cooled or Water-cooled with use of the Coolarc 20
- ✓ HIGH speed PULSE to adjust the arc focus, reduce distortion and increase travel speed
- ✓ Weighing only 14.5 Kg., the V270-T *PULSE* is both lightweight and portable
- ✓ Pre-set digital meter with hold function for fully procedured work
- ✓ Fan on demand built-in reduces power and the intake of dust and fumes
- ✓ Recessed controls and connections designed to eliminate damage
- ✓ Designed to meet EN60974-1 and CE standards for safety and reliability
- ✓ Built the Lincoln way 'RUGGED & RELIABLE'
- ✓ Two Year Warranty

TECHNICAL SPECIFICATIONS

Product Name	Item Number	Standard Voltage	Fuse Size	Weight	Dimensions H x W x D	Protection Class	Isolation Class	Compliance
Invertec V270-T PULSE	WF200286	400V 3Ph	20A (slow)	14.5KG	385x215x480	IP23S	H	EN60974-1 / EN50199 CE

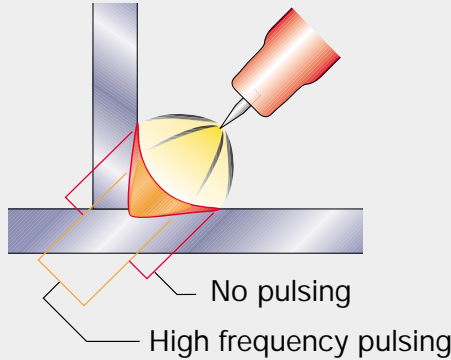
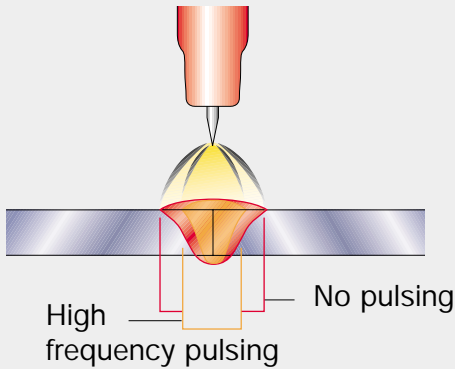
Product Name	Item Number	Standard Voltage	Freq.	H. Max	Dimensions H x W x D	Water Out	Weight incl. Coolant
Coolarc 20	K1904-1	230V 1Ph	50Hz	50M	180x210x480	2.5 L/Min.	9.4KG

WELDING OUTPUT

Current Range	Rated Output TIG DC (40°C)	Rated Output MMA DC (40°C)	O.C.V.
5 - 270A	270A/35% 200A/100%	270A/35% 200A/100%	48Vdc

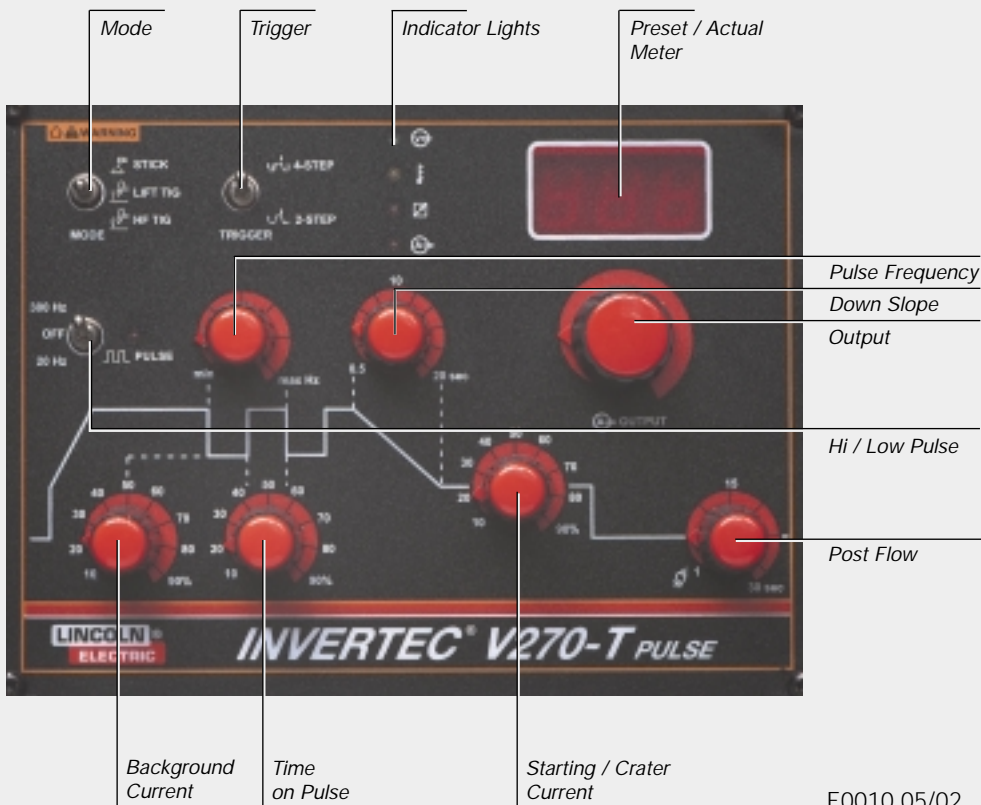
ACCESORIES

Item Number	Description Remote Controls
K10095-1-10	Hand Amptrol
K870	Foot Amptrol



High frequency pulsing benefits:

- Less distortion
- Higher travel speed



FEATURES

Feature	Parameter
Down Slope Time	0.5 - 20 sec
Post Flow Time	0.5 - 30 sec
PULSE Frequency (low)	0.2 - 20 Hz
PULSE Frequency (high)	3 - 300 Hz
On time peak	10 - 90% (of welding current)
Backgr./Peak Current	10 - 90% (of welding current)



Great Britain: Lincoln Electric (UK) Ltd.
Tel: +44 114 287 2401 Fax: +44 114 287 2582

Belgium: Lincoln Smitweld Belgium
Tel: +32 2 377 00 71 Fax: +32 2 378 18 77

France: Lincoln Electric France SA
Tel: +33 232 11 40 40 Fax: +33 232 11 40 11

Germany: Lincoln Smitweld G.m.b.H
Tel: +49 201 896 280 Fax: +49 201 896 2831

Italy: Lincoln Electric Italia, SRL
Tel: +39 010 837 911 Fax: +39 010 837 9150

The Netherlands: Lincoln Smitweld B.V.
Tel: +31 24 352 29 11 Fax: +31 24 352 22 00

Denmark: Lincoln Electric Nordic
Tel: +45 86 26 51 00 Fax: +45 86 26 51 50

Norway: Lincoln Electric Norge AS
Tel: +47 23 377 400 Fax: +47 22 720 580

Spain: Lincoln KD, Sa
Tel: +34 93 685 9600 Fax: +34 93 685 9610

Sweden: Lincoln Electric Sverige AB
Tel: +46 510 22 045 Fax: +46 510 62 791

Turkey: A.S. Kaynak
Tel: +90 216 377 30 90 Fax: +90 216 377 00 00

Poland: Bester S.A.
Tel: +48 746 46 1100 Fax: +48 746 46 1082

Other countries: Lincoln Electric Europe B.V.
Tel: +31 24 352 29 27 Fax: +31 24 352 29 29

LINCOLN®
ELECTRIC

LINCOLN ELECTRIC EUROPE

E0010.05/02