

## WARRANTY INFORMATION

This product comes with a 12 month warranty and is provided by Total Tools (Importing) Pty Ltd 20 Thackray Road, Port Melbourne, VIC 3207 (we, us, our).

### Express warranty

Subject to the exclusions set out below, we warrant that this product will be free from defects in materials or workmanship for a period of 12 months from the date of purchase.

The benefits conferred by this warranty are in addition to all rights and remedies which you may be entitled to under the Australian Consumer Law, and any other statutory rights you may have under other applicable laws. This warranty does not exclude, restrict or modify any such rights or remedies.

### Warranty exclusions

This express warranty does not apply where a defect or other issue with the product is caused by normal wear and tear, misuse or abuse of the product.

### Consumer guarantees

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

### Warranty claims

To make a claim under this warranty, you must bring the product along with the proof of purchase and any other documentary evidence which you think is relevant to the Total Tools' place of purchase where the claim will be handled on our behalf. Any cost incurred by you in bringing the product to the place of purchase will be borne by you. To make a claim under this warranty, the product and proof of purchase must be returned to the Total Tools place of purchase during the warranty period specified above.

If your warranty claim is accepted, we (or the Total Tools store that handles the claim on our behalf) will, at our discretion, repair or replace the product, or refund money to you and take back the product.

# MICHIGAN

## WELDING CO.

## ACETYLENE REGULATOR

MAX 150KPA

MODEL# REGAR270



**OPERATING INSTRUCTIONS**  
TO PREVENT SERIOUS INJURY, READ & UNDERSTAND  
ALL WARNING & INSTRUCTIONS BEFORE USE  
-----KEEP THIS DOCUMENT-----

## ACETYLENE REGULATOR OPERATING INFORMATION

MICHIGAN Acetylene Regulators have been properly designed, manufactured and tested independently to meet Australian standards. Where applicable, they must be used with full consideration of the hazards inherent to the use of oxy-fuel gas mixtures.

Gas cutting and welding applications should never be supplied directly from compressed gas cylinders. A MICHIGAN Acetylene Regulator must be connected to the gas cylinder to control the pressure of the gas at the welding or cutting blowpipe. MICHIGAN regulators are fitted with two pressure gauges to allow monitoring of the cylinder contents and the delivery pressure to the end application.

Although accidents rarely occur as a direct result of regulator failure, care must be continuously exercised as the potential hazards are severe. This is particularly true of Acetylene Regulators where ignition and explosion is possible under adverse conditions.

### ***The following recommendations should be observed in order to ensure continued safe operations:***

1. MICHIGAN Acetylene Regulators should only be used with gas and maximum cylinder pressure for which they are designed and labelled (see AS4267)
2. Never test a regulator for gas leaks with a naked flame
3. Regulators with damaged pressure gauges or inlet and outlet connections should never be used. Inlet and outlet connections should never be changed from the original manufacturing specification
4. Do not use oil or grease on the Acetylene Regulator. Do not handle regulator with a rag, hands or gloves contaminated with oil or grease
5. Keep Acetylene Regulator clean. When not in use the dust covers to protect the inlet and outlet connections should be fitted
6. Never use the regulator when there is gas leak or exhibit signs of excessive creep (build up of gas pressure when blow pipe valves are closed).
7. To avoid damage to regulator the operator must always fully release the regulator by adjusting the knob and turning it in an anti-clockwise direction before slowly opening gas cylinder valve and subjecting regulator to high pressure. Note: Never release the regulator adjusting knob whilst there is pressure in the gas hoses
8. Ensure regulator is securely attached to gas cylinder valve. Always stand to one side when opening valve and subjecting regulator to high pressure
9. The Acetylene Regulator is date stamped and should be replaced after 5 years of operation
10. Flashback arrestors conforming to AS4603 must all be connected

- to oxygen and acetylene regulators before use
11. Never tamper with or disassemble any part of the Acetylene Regulator
  12. Never adjust or block the safety relief valve

## SAFETY

When using welding equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read all owner's operating instructions before attempting to operate any product.

### SAFETY TIPS:

- > Keep the equipment free of oil and grease
- > Make sure the area in which you work is free of combustible materials, flammable liquids or fumes
- > Working area should be well ventilated

### FAULT FINDING

- > Regularly check the equipment for signs of damage
- > Never use Acetylene Regulator with damaged or broken gauges
- > Leakage of gas from the pressure relief valve indicates leaking valve seats, not a faulty relief valve. Replacement of the Acetylene Regulator is also recommended in such instances
- > Gauges that do not return to zero, or give inconsistent repeat readings, should be replaced
- > Never use shifting spanners, as they tend to round nuts and enable the application of too much torque
- > Do not drop or handle equipment roughly. Threads can be damaged and spindles bent.
- > Never stamp names or serial numbers on equipment. This causes internal distortion, which can be hazardous
- > No repairs are to be carried out by the operator

### GENERAL SAFETY TIPS

- > Acetylene Regulators are precision instruments and should be treated with care. Do not expose them to rough handling, knocks and jars
- > When opening cylinder valve always ensure flowmeter bobbin is pointing away from the operators
- > Never allow hoses to come in to contact with oil and grease
- > Ensure that cylinders are either chained into a trolley or secured to a wall to avoid accidental topping and regulator damage
- > Regulators have been pre-set and tested on manufacture. Do not adjust pre-set regulator pressure. Tampering with regulator pressure adjustment will void warranty
- > Pressure relief valves have been pre-set and tested on manufacture. Do not adjust pre-set relief valve. Tampering with pressure relief is not only dangerous, but will also void warranty
- > Warranties will be cancelled, if it is found in the event of a claim, that the equipment was tampered with, or repairs were carried out by the persons unauthorised to do so. Only qualified service agents may carry out repairs