



[www.r-techwelding.co.uk](http://www.r-techwelding.co.uk)  
email: [sales@r-techwelding.co.uk](mailto:sales@r-techwelding.co.uk)  
Tel: 01452 733933 Fax 01452 733939



## INSTRUCTION MANUAL

WATER COOLER WC240



# CONTENTS

## INTRODUCTION

Before using the equipment please read the instructions in this manual carefully. To obtain the optimum performance and product life you must carefully follow the instructions for use and maintenance detailed in this manual. Any maintenance or repairs should be carried out by a suitably qualified person. Always use the correct spare parts when completing any repairs

## DESCRIPTION

This Water Cooler is designed for cooling torches for welding applications by means of water recirculation via a closed system.

The system comprises the following main parts:

- Single Phase Motor
- Bras pump for long life
- Coolant Tank
- Radiator
- Mains Switch

Some of the key features of the unit are:

- Corrosion free
- No priming required
- Quick fill and drain
- Low and easy maintenance

## TECHNICAL DATA

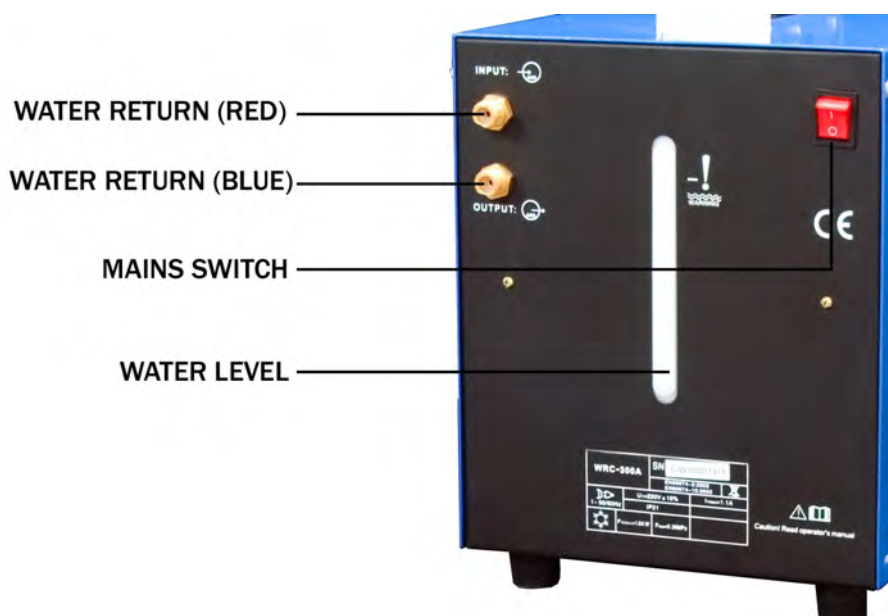
INPUT	240v
MOTOR	370w
COOLING CAPACITY	1.6kw (1l/min)
DUTY CYCLE	100%
MAX PRESSURE	3 bar
TANK CAPACITY	9 litres
FLOW RATE	8.5 litres per minute
OPERATING TEMPERATURE RANGE	-20 ~ 60 ° C
DIMENSIONS (L X W X H)	45 x 26 x 36 cm
NET WEIGHT	15.9kg
PROTECTION	IP21

## INSTALLATION

The user is responsible for the installation and use of the equipment according to the instructions provided in this manual. The equipment is designed for use in industrial environments

The equipment is powered from a suitable power socket. Connect the outlet of the cooler unit to the inlet of the welding unit. Connect the inlet of the cooler unit to the outlet of the welding unit. **IMPORTANT**—The unit should be switched on at all times during welding to prevent damage to torches and cables

Ensure the unit is filled with water and checked once the cables and hoses have been filled following the start of the machine. If the unit is to be used in cold climates it is recommended that antifreeze (glycol) is added to the water. Do not use antifreeze with propylene as this may cause the pump to seize.



## MAINTENANCE

**WARNING:** - BEFORE CARRYING OUT ANY INTERNAL INSPECTION DISCONNECT THE UNIT FROM THE MAINS SUPPLY

- Periodically check the level of the cooling fluid
- Add fluid when the level drops below the minimum level indicator
- Add anti-freeze when the room temperature is below 20°C
- Make sure all the joints are tight and there are no leaks
- Periodically clean the radiator with clean dry air to eliminate blockages that may affect efficiency

**IMPORTANT:** - Always use original spare parts which have been specially designed for this equipment. The use of alternate parts may affect the performance of the unit

- After long periods of not being used ensure the water is circulating freely through the system
- The pump may be damaged if run without sufficient coolant
- Ensure the unit is connected to a suitable mains supply
- The motor will not run if the mains voltage is too low, the start capacitor is defective, the motor is defective or the motor has not been used for a period of time. This may be corrected by pumping compressed air into the water inlet or outlet connection for 20 seconds.