

Inverter Cooling Requirements

The specifications for cooling water are subject to change. For the latest specifications, go to the WTC Web site: <http://www.weldtechcorp.com/documentation/index.html>

Water Cooled Inverters

WATER COOLING REQUIREMENTS	
<ul style="list-style-type: none">• Maximum temperature not to exceed 104° F. (40° C.), or fall below the dew point of ambient air at about 70° F. (21° C.)• pH maintained between 7.0 and 8.0• Maximum chloride content 20 PPM (parts per million)• Maximum nitrate content 10 PPM• Maximum sulfate content 100 PPM• Maximum suspended solids content 100 PPM (non-abrasive)• Maximum total solids content 250 PPM (suspended and dissolved)• Maximum calcium carbonate content 250 PPM	
Minimum Water Flow Rate	Greater than 5 liters/min (1.32 gal/min)
Max Pressure Drop @ 5 liters/min Flow	Less than 70 kPa / .7 bar / 10 PSI
Pressure Rating	Less than 620 kPa / 6.2 bar / 90 PSI
Electrical Resistivity of Water	Greater than 5000 ohms/cm
Water Inlet Temperature	Less than 95° F (35° C)

Air Cooled Inverters

AIR COOLING REQUIREMENTS	
Ambient Air Temperature	Less than 104° F (40° C)
Minimum Fan Rating	80 CFM
Air Mounting Location	Minimum 200mm (3 inches) from wall or object

