

## **SPECIFICATION**

### **EVERCOOL MODEL TC90-3 Water Circulating Temperature Control Unit**

|                                |                             |
|--------------------------------|-----------------------------|
| Heating Capacity:              | 3kW                         |
| Maximum Operating Temperature: | 90°C                        |
| Heater Control:                | Solid State Relay           |
| Cooling Capacity:              | 18,000 kcal/hr @90°C        |
| Tank Capacity:                 | 20 litres - stainless steel |
| Pump Type:                     | Submersible pump            |
| Maximum Flow/Pressure:         | 60ltr/min @ 3.5 bar         |
| Pump Power:                    | 0.9kW                       |
| Electrical Supply:             | 400v - 3 ph - 60 Hz + E     |
| Control Voltage:               | 24v AC                      |
| Process Connection IN/OUT:     | ¾" BSP                      |
| Cooling Connection IN/OUT:     | ½" BSP                      |
| Weight:                        | 50 kg                       |
| Dimensions: LxWxH              | 330 x 610 x 690 mm          |
| Noise Level:                   | Less than 80 dBA at 1 metre |



### **STANDARD FITTED EQUIPMENT**

PID controller  
Submersible pump which eliminates internal seal leakage  
Low watts density long life incoloy heating elements  
Plate type heat exchanger for maximum heat dispersion  
Water level sensor (Electrode)  
Castors mounted for ease of transport  
Automatic filling  
Security thermostat for heater element protection  
Solid state relay

### **Optional Extras:**

Double water outlet kit  
Flow rate control  
External sensor  
PT100 process sensor  
Return of process temperature indication  
Manual filling  
Serial interface 4-20mA, RS485, 0-10 volts

