

# Cooling Unit

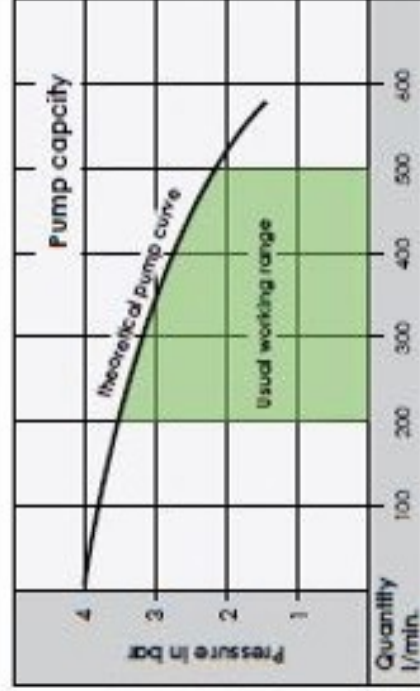
Temperature range 80°C up to 300°C  
Heating capacity 72 kW / 120 kW / 144 kW

Operational use:  
rollers, plates, double walled vessels and other heavy duty use



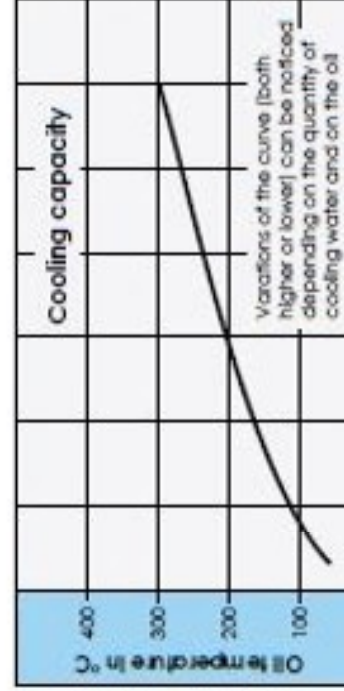
## Features included

- Self-optimizing temperature controller with digital display of the set and actual temperature. With high precision regulation in  $1/10^{\circ}$  range; can be adjusted to read  $^{\circ}\text{C}$  or  $^{\circ}\text{F}$ .
- Automatic temperature control - difference between set and actual temperature activates an alarm.
- Digital flow indication with control of the minimum flow.
- Lime scale free heat exchanger.
- Hot oil circuit with by-pass, which ensures internal circulation if valves are closed.
- Expansion tank with a drip pan.
- No oil cracking because of special construction of the heating elements.
- Heating with automatic cascade connection.
- With regulation of pressure.
- Safety devices:
  - Level control for dry run protection.
  - Electronic temperature limiter in the controller and separate mechanical safety thermostat.
  - Main switch, transformer and motor protection switch.
  - Horn in case of failure.
- All failures are visually indicated.



## Operating principle

Closed hot oil circuit with overlaying cold oil receiver in a large expansion tank. Long life expectancy of the oil with no cracking, due to low watt density heating elements and a high flow rate. A drip pan under the expansion tank prevents the unit from getting dirty if it is filled incorrectly. This model is designed for highest temperatures and optimum safety.



## Heat exchanger

The lime scale free heat exchanger is a special construction made of stainless steel and is also produced by TOOL-TRON. The construction with the special heating elements is designed for highest temperatures and optimum safety.