



# Refrigerated Circulating Water Bath



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**ACMAS Technologies Inc.**

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These baths are ideal for industrial or laboratory applications with a wide variety of temperature control requirements. Robust refrigeration system with metering control provides fast heat removal and stable temperatures. Industrial-grade circulating pumps deliver extra pressure providing more efficient heat exchange, better temperature uniformity, and improved reservoir agitation. Added pump pressure provides greater flexibility on where you place the circulator. Long-life high-wattage heaters deliver fast fluid heat up for applications requiring rapid fluctuations. Overtemperature and low-level cutouts protect baths from adverse events. Secondary, user-settable over temperature thermostat provides an added level of security.

#### Product construction

We are one of the leading manufacturers and suppliers of Refrigerated Circulation Water. The outer body of this variety is fabricated with thick mild steel sheet that is suitably painted with enamel & the inner chamber is constructed with stainless steel and the entire body of this product is mounted on a strong angle iron frame. Further, cooling coils are brazed to the outside of the S.S. Chamber that increases the cooling. High grade insulation is filled into the outer and inner wall that prevents loss of cooling effect.

- Refrigeration systems consists of CFC free hermetically sealed compressors for cooling the liquids and a immersion type heating element for attaining temperatures above ambient
- The lid of the bath is double walled, fixed with hinges and is provided with locking arrangements

- Unit is fitted with a variable speed stirrer for temperature uniformity throughout the chamber
- Unit is also fitted with a FHP PUMP for circulating the cooled liquid than external source such as condenser coils, abbe refract meter etc.

#### Features & Benefits

- Provides standalone operation - no tap water required
- Easy control of set-point
- Configured to measure viscosity directly in the bath - accommodates 600 mL beaker
- Programmable Controller version is designed to automate sample temperature control
- Built-in circulator pumps to external devices

#### Obromax Circulating Bath Specifications:

- Tank Capacity (Liters) : 6 Liters 12 Liters 22 Liters 28 Liters
- Temperature Range : -95°C to 200°C / (-139° F to 392°F)
- Temperature Stability> : + / - 0.01°C
- Display : LE
- External Chamber : 304 Grade Painted Stainless Steel
- Internal Chamber : Stainless Steel and Crevice free
- Temperature Settings : Rotary Knob or Touch Keypad
- Safety Features : Safety cut-off and Low liquid level alarm
- Accessories : Stainless Steel Lid, Test Tube Racks, Thermometer, Calibration Record
- Power Supply : 220 Volts