

Optima™ R series, Refrigerated thermostatic Baths and Circulators

DESCRIPTION

Cost effective and efficient multi-purpose systems for low temperature applications.

- Powerful precision cooling whether used in open-loop or closed-loop format
- Combining legendary quality, reliability and design for everyday usage - useful features, straightforward maintenance, compact design
- Robust, durable construction for longevity, reliability and long-term low cost of ownership
- Up to 4 years warranty

Grant low temperature circulators provide a source of precision cooling for many sensitive analytical procedures including spectrophotometry, viscometry, refractometry and electrophoresis. They are suitable for use in both open and closed loop circulation (i.e. remote vessel open or closed).

Alternatively, Grant RC series of recirculating chillers (closed circulators) can be used. These are generally needed for more powerful cooling requirements, e.g. the removal of mechanical or electrical heat produced in apparatus or machinery. Please contact marketing@biosan.lv for advice.

Choosing a refrigerated bath and circulator from:

- The T100 R series with digital control, 0° to 100°C
- The TC120 R series with digital control and integral pump, -20° to 100°C
- The TX150 R series with digital control, integral pump and enhanced programming features, -47° to 100°C
- The TFX200 R series with digital control, enhanced integral pump and sophisticated programming features, -47° to 100°C

We recommend the following liquids for use with refrigerated thermostatic baths and circulators:

- -50 to 50°C: Silicone oil — low viscosity (Bayer silicone M3)
- -30 to 30°C: 50% water 50% antifreeze (inhibited ethylene glycol)
- 0 to 30°C: 80% water 20% antifreeze (inhibited ethylene glycol)
- 5 to 99.9°C: Water

Model selection:

The R4 and R5 refrigeration range consist of two refrigeration units which can be combined with four heating circulators to offer a temperature range of -47°C to 100°C.



CAT. NUMBER

R4	230VAC 50/60Hz Euro plug
R4L	120VAC 60Hz US plug
R5	230VAC 50/60Hz Euro plug
T100	230VAC 50/60Hz Euro plug
T100 US	120VAC 60Hz US plug
TC120	230VAC 50/60Hz Euro plug
TC120 US	120VAC 60Hz US plug
TX150	230VAC 50/60Hz Euro plug
TX150 US	120VAC 60Hz US plug
TXF200	230VAC 50/60Hz Euro plug
TXF200 US	120VAC 60Hz US plug