

## Heated circulating baths » Model options and accessories

### Heating circulating baths - models, options and accessories

Any of the four Grant Optima™ digital thermostats can be combined with any of the Grant stainless steel and plastic tanks. The colour-coded summary table shows you the temperature range of each combination. For more details of Grant Optima™ heated circulator see, page 1.8.

#### Key to symbols

- fixed over temperature cutout
- adjustable over temperature cutout
- display
- audible alarm
- timer
- pump
- external probe
- USB + RS232
- 2 point recalibration
- relay
- visual alarm
- 5 point recalibration
- enhanced menu system
- program storage
- programmable

#### Heating circulators

General purpose digital		Advanced digital	
T100	TC120	TX150	TXF200
 h: 333mm d: 172mm w: 120mm weight: 2.1kg	 h: 333mm d: 172mm w: 141mm weight: 2.3kg	 h: 342mm d: 172mm w: 141mm weight: 2.6kg	 h: 342mm d: 172mm w: 141mm weight: 2.6kg

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Capacity (L) Outer tank dimensions					
<ul style="list-style-type: none"> <li>working area (d x w)</li> <li>Min/max liquid depths</li> <li>Inner tank dimensions (h x d x w)</li> </ul>					
<b>ST5 - 5L stainless steel</b>  h: 215mm d: 335mm w: 187mm weight: 2.9kg	<ul style="list-style-type: none"> <li>150 x 150mm</li> <li>85/140mm</li> <li>300 x 150 x 150mm</li> </ul>	T100-ST5 amb.+15°C to 100°C*	TC120-ST5 0°C to 120°C*	TX150-ST5 0°C to 150°C*	TXF200-ST5 0°C to 200°C*
<b>ST12 - 12L stainless steel</b>  h: 215mm d: 332mm w: 360mm weight: 4.5kg	<ul style="list-style-type: none"> <li>205 x 300mm</li> <li>85/140mm</li> <li>325 x 300 x 150mm</li> </ul>	T100-ST12 0°C to 100°C*	TC120-ST12 0°C to 120°C*	TX150-ST12 0°C to 150°C*	TXF200-ST12 0°C to 200°C*
<b>ST18 - 18L stainless steel</b>  h: 215mm d: 545mm w: 340mm weight: 7.3kg	<ul style="list-style-type: none"> <li>385 x 300mm</li> <li>75/130**mm</li> <li>505 x 300 x 150mm</li> </ul>	T100-ST18 0°C to 100°C*	TC120-ST18 0°C to 120°C*	TX150-ST18 0°C to 150°C*	TXF200-ST18 0°C to 200°C*
<b>ST26 - 26L stainless steel</b>  h: 270mm d: 535mm w: 340mm weight: 7.7kg	<ul style="list-style-type: none"> <li>385 x 300mm</li> <li>125/180**mm</li> <li>505 x 300 x 200mm</li> </ul>	T100-ST26 0°C to 100°C*	TC120-ST26 -15°C to 120°C*	TX150-ST26 -15°C to 150°C*	TXF200-ST26 -15°C to 200°C*
<b>ST38 - 38L stainless steel</b>  h: 260mm d: 733mm w: 338mm weight: 11.9kg	<ul style="list-style-type: none"> <li>575 x 300mm</li> <li>125/180**mm</li> <li>690 x 300 x 200mm</li> </ul>	T100-ST38 0°C to 100°C*	TC120-ST38 -15°C to 120°C*	TX150-ST38 -15°C to 150°C*	TXF200-ST38 -15°C to 200°C*
<b>P5 - 5L plastic</b>  h: 180mm d: 323mm w: 220mm weight: 2.2kg	<ul style="list-style-type: none"> <li>120 x 150mm</li> <li>85/140mm</li> <li>240 x 160 x 155mm</li> </ul>	T100-P5 amb.+15°C to 99°C	TC120-P5 amb.+15°C to 99°C	TX150-P5 amb.+15°C to 99°C	TXF200-P5 amb.+15°C to 99°C
<b>P12 - 12L plastic</b>  h: 180mm d: 412mm w: 340mm weight: 3.4kg	<ul style="list-style-type: none"> <li>210 x 280mm</li> <li>85/140mm</li> <li>325 x 280 x 155mm</li> </ul>	T100-P12 amb.+5°C to 99°C	TC120-P12 amb.+5°C to 99°C	TX150-P12 amb.+5°C to 99°C	TXF200-P12 amb.+5°C to 99°C
<b>P18 - 18L plastic</b>  h: 180mm d: 589mm w: 340mm weight: 5.1kg	<ul style="list-style-type: none"> <li>375 x 280mm</li> <li>85/140mm</li> <li>510 x 290 x 155mm</li> </ul>	T100-P18 amb.+5°C to 99°C	TC120-P18 amb.+5°C to 99°C	TX150-P18 amb.+5°C to 99°C	TXF200-P18 amb.+5°C to 99°C

\*Note: Operation at or below ambient temperatures requires optional accessory cooling (page 1.7) or a refrigeration unit (section 2.1)

### Options and accessories

Labwise™ PC software (optional)				
Allows two-way communication for status display, programming and data capture (see page. 3.1 for more information) USB/RS232 cables provided.	-	-		
External probes (optional) for monitoring and controlling temperature of remote loads				
TXPEP flexible plastic probe, 3m cable	-	-	•	•
TXSEP stainless steel probe, 3m cable	-	-	•	•
Remote switching device (optional)				
For switching appliances on and off (up to max. 8 Amps)	-	-	1	1
Vertical turbine pumps (optional)*				
Low noise, compact design. Supplied with pipe connections and special lid for fitting to tank, pipe bore 12.7mm.				
<b>VTP 1</b> Max. pressure 1000 mbar Max. flow 9 L/min		Required only where application demands a higher pressure than that delivered by the internal pump to maintain flow.		
<b>VTP 1</b> Max. pressure 1650 mbar Max. flow 12 L/min				

\* When pump is fitted, available working area is reduced \*\* maximum depth can be increased by 10mm, by removing the circulation tray in 18, 26 and 38 litre baths, with slight loss of performance.