



- Excellent Temperature Stability
- Large 330 x 310mm Platform
- Simple Digital Operation with LCD
- Smooth & Quiet Operation
- Can Be Made To Size
- Adjustable Platform Travel

A Real Workhorse

The Ratek SWB20D shaking waterbath provides a large shaking platform to agitate samples whilst precision controlled temperature is applied. The digital PID control ensures accurate and stable temperature control from ambient +5° to 99.9°C, whilst the platform speed is controlled by Ratek's smooth, repeatable and near-silent belt drive system. The large LCD indicates current temperature or set temperature with simple controls to allow the temperature to be changed.



SPECIFICATIONS

| SWB20D | |
|-------------------------------|--|
| Tank capacity | 20 Litres |
| Usable platform dimensions | L330 x W310 x H140mm |
| Temperature control type | Digital PID with LCD display |
| Temperature control range | Ambient + 5°C to 99.9°C |
| Temperature control stability | +/- 0.2°C |
| Bath temperature uniformity | Within 0.2°C whilst shaking |
| Motor & drive type | Brushless AC with silent-belt drive |
| Speed control | Solid state with optical feedback |
| Speed range | 20 - 200 strokes per minute |
| Platform travel | Adjustable 4 position cam allowing travel of 20, 27, 33, or 40 mm |
| Safety features | <ul style="list-style-type: none"> • Manual reset safety thermostat • Element safety mesh/platform • Motion interrupt cut-out |
| Heating power | 1500 Watts |
| Overall dimensions | L600 x W450 x H270mm |
| Nett weight | 18 kg |

The SWB20D can be utilised in a wide variety of biomedical, life science, and industrial applications as well as food and wine testing. Should you require something larger, the size can be customised as required to suit your specific requirements. For below ambient work the SWB20D can be customised to take an RC1 cooling coil without losing valuable working area. The tank and all submerged parts are made from food grade polished stainless steel, which is then insulated to give maximum temperature stability. The outer case is manufactured from a corrosion resistant plastic to provide durability and resistance to spills. For accurate temperature control and to minimise loss of water through evaporation, gabled lids made from stainless steel or polycarbonate are available and recommended for most applications. The RR20 universal rack is available to clamp vessels into the platform for high speed shaking.

The SWB20 range was first introduced in 1995, and the thousands of units still in operation today are testament to it's superior design and reliability.

RELATED PRODUCTS

| Product Code | Description |
|--------------|--|
| PLS20 | Gabled clear polycarbonate lid to suit SWB20D. Allows visibility of samples and improves temperature stability. Suitable for applications up to 50°C |
| SLS20 | Gabled stainless steel lid to suit SWB20D. Minimises evaporation and improves temperature stability. Suitable for applications up to 100°C |
| RR20 | Universal rack to suit SWB20/D shaking waterbaths |