

Aerotron

Small Incubator shaker
Ideal for bio-safety applications



Aerotron

A round incubator shaker?

Admittedly, a round incubator shaker seems unlikely at first sight. However, there are clear technical advantages which lead to this futuristic design. As a result, the Aerotron is uniquely specified in its class.

The advantages of being round:

Temperature distribution

Round fan on the top and a round incubation chamber. This combination guarantees an even temperature distribution over the entire tray.

Hygiene

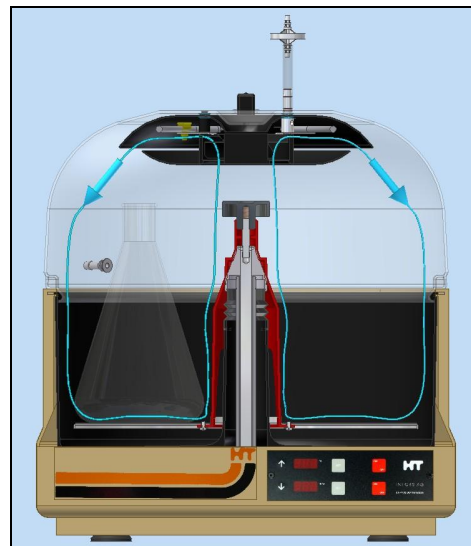
The Aerotron features a sealed inner chamber. A characteristic you do not usually associate with shake flask work. Any liquid spills can be removed in a controlled way using a bottom drain valve. Following removal of the table, the incubation chamber has no corners or edges, which makes cleaning simple and thorough.

Biological safety

With the sealed incubation chamber, the Aerotron has clear advantages for work with genetically manipulated or infectious material. For additional security, filters can be added to the inlet and outlet gassing ports in the lid, with the possibility to also use a slight under-pressure.

A wide range of special features

- **Magnetic drive** – requires little maintenance and reduced wear
- **Movable temperature sensor** – possibility to use a reference flask temperature
- **Humidification** – simply by adding a little water at the bottom of the chamber
- **Gassing possibility** – via the integral gassing ports
- **Cooling** – via cooling coil (Option)



Loading Capacity

The round table Type ATB Ø 430 mm, can be Universal (with holes for different clamps or holders, with 'fixed' Tables* (with only one size of clamp) or with a tray using adhesive matting.

| Flask Size ml | Quantity* |
|---------------|-----------|
| 50 | 40 |
| 100 | 24 |
| 250 | 16 |
| 500 | 8 |
| 1000 | 6 |
| 2000 | 4 |

Technical Data

| | |
|----------------------|--------------------------|
| Shaker speed range | 20 – 400 RPM |
| Throw | Ø 12,5 mm |
| Accuracy | ± 1% of max. speed |
| Temperature range | 5 °C over RT to 60 °C |
| | Probe measures to 80°C |
| Precision | ± 0,2 °C |
| Weight minus Table | approx. 46 kg |
| Dimensions W x D x H | 53 x 53 x 55 cm |
| Power | 115/230 V ± 10%, 50/60Hz |

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