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Tube Conditioner TC 2

For efficient conditioning of
thermal desorption tubes
and the GERSTEL Twister®

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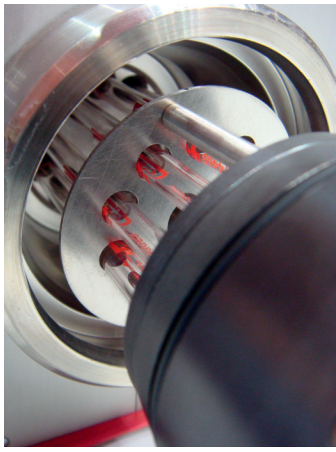
GERSTEL Tube Conditioner TC 2



Well-conditioned thermal desorption (TD) tubes and sorptive extraction devices, such as the GERSTEL Twister®, are essential for maximizing the sensitivity benefits of the thermal desorption technique and to ensure the best possible quality of analysis.

The GERSTEL Tube Conditioner (TC 2) performs simultaneous conditioning of up to 10 Thermal Desorption System (TDS) tubes with up to 50 Twisters per run. Adapters are available for Thermal Desorption Unit (TDU) tubes and Thermal Desorber TD 3.5+ tubes, for example containing up to 10 Thin Film SPME (TF-SPME) devices.

The TC 2 operates independent of the TD-GC/MS system, eliminating the risk of contamination while allowing maximum throughput. During conditioning in the TC 2, TD tubes are held at a user-specified elevated temperature or go through a temperature program cycle while being purged with a fixed flow (~100 mL/min) of inert gas. Each tube has independent gas flow regulation. From one to ten tubes can be conditioned without adjusting flows, and sorbent-packed and empty tubes, as well as tubes containing Twisters or TF-SPME devices can be freely mixed. Following conditioning, the tube holder and tubes are placed in the attached cooling station and allowed to cool to room temperature under gas flow to prevent air ingress, contamination, and oxidation. Tubes are finally placed in a sealed, contamination-free container or in a sealed sample tray ready either for sampling or for spiking in the GERSTEL Tube Spiking System (TSS).

GERSTEL TC 2 benefits:

- Reduced background signal and improved limits of detection and quantitation (LODs and LOQs)
- Extends lifetime of TD tubes and reduces cost per analysis
- Continuous availability of conditioned Twisters, TF-SPME devices, and sorbent tubes for TDS, TDU, and TD 3.5+
- Operates independently of the TD-GC-MS system
- Simple operation using the GERSTEL C200 Controller
- Best possible conditioning of TD tubes, Twisters, TF-SPME devices using temperature programming cycles
- Convenient and efficient operation based on stored methods

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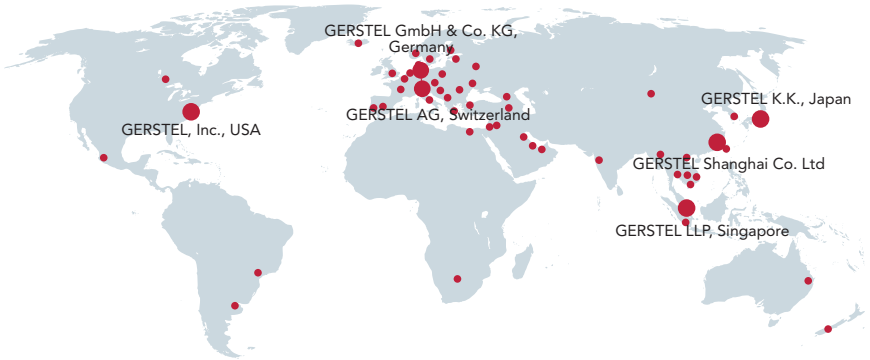

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