

GERSTEL

Tube **C**onditioner

TC 2



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

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.

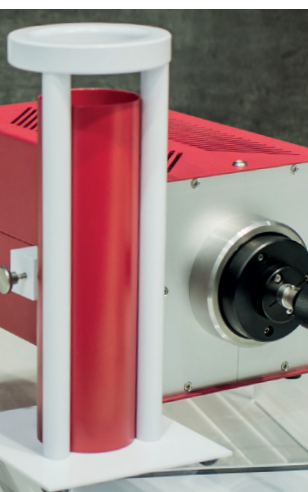
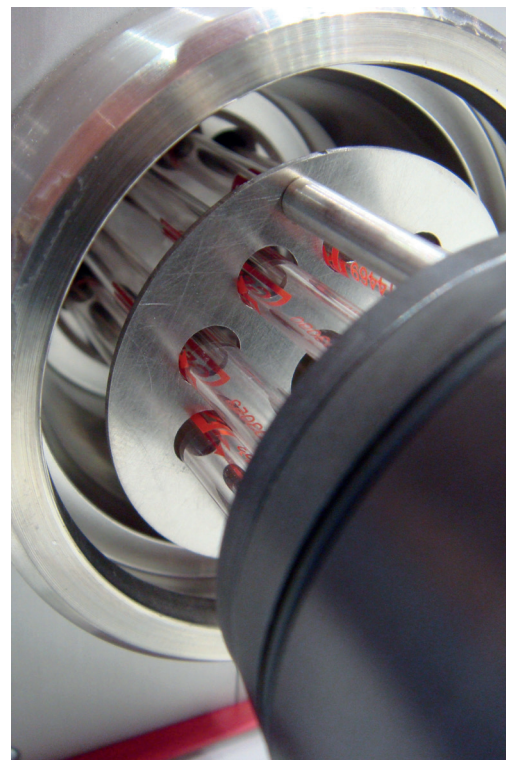
The GERSTEL Tube Conditioner (TC 2) enables simultaneous conditioning of up to 10 Thermal Desorption System (TDS) tubes. Up to 5 Twisters can fit into an empty TDS tube, allowing up to 50 Twisters to be conditioned per run. TD tube adapters are available for Thermal Desorption Unit (TDU) tubes and Thermal Desorber TD 3.5+ tubes. Up to 10 Thin Film SPME (TF-SPME) devices can be conditioned with the TC 2 in empty TDU or TD 3.5+ tubes.

The TC 2 operates independently of the TD-GC/MS system, eliminating the risk of system contamination during conditioning and ensuring 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 to remove contaminants.

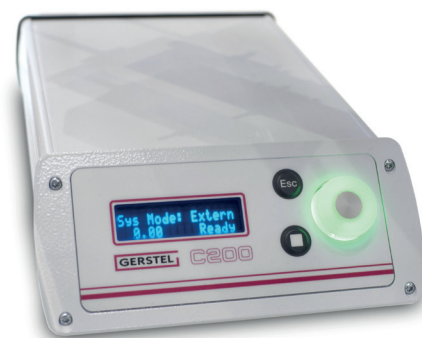
The TC 2 provides independent gas flow regulation for each tube, enabling conditioning of one to ten tubes without the need to adjust flows. A mix of adsorbent-packed and empty tubes as well as tubes containing Twisters or TF-SPME devices can be conditioned simultaneously.

Following conditioning, the tube holder and tubes are placed in the attached cooling station and allowed to cool to room temperature while under continual gas flow, preventing atmospheric oxygen ingress and oxidation. Tubes are then placed in a sealed, contamination-free container or sealed sample tray ready 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+
- Best possible conditioning using temperature programming cycles
- Operates independently of the TD-GC/MS system ensuring maximum throughput
- Simple operation using the GERSTEL C200 Controller
- Convenient and efficient operation based on stored methods



www.gerstel.com

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