

### MILESTONE Q-20 QUARTZ ROTOR

The new Milestone Q-20 Quartz rotor truly opens a new era in microwave digestion, and is a fundamental addition to the outstanding capabilities of the ETHOS 1 and the START D units.

The Q-20 offers elevated performance specifically for ultra-trace analysis, unsurpassed ease of use, and full control of all digestion parameters in all vessels. It allows for the complete digestion of a variety of organic samples, such as food and feed, plants, polymers, pharmaceuticals, clinicals, biologicals and oils.



The new Q-20 Quartz rotor is the perfect compliment to highly sensitive analytical instruments, such as ICP-MS and GF-AAS.



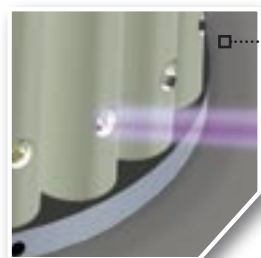
□ Superior digestion quality

- Suitable for ultra-trace analysis
- Lowest blanks
- Lowest memory effect



□ High sample throughput

- Up to 20 samples per run
- Easy handling
- Very rapid heating and cooling



□ Full control of all digestion parameters

- Temperature control in all vessels
- Pressure control in all vessels
- Complete documentation

### SUPERIOR DIGESTION QUALITY AND SAMPLE THROUGHPUT

The Q-20 rotor is perfect for ultra-trace analysis.

This rotor holds up to 20 high-purity quartz vessels, minimizing acid diffusion through the vessels walls and in turn contamination and memory effect.

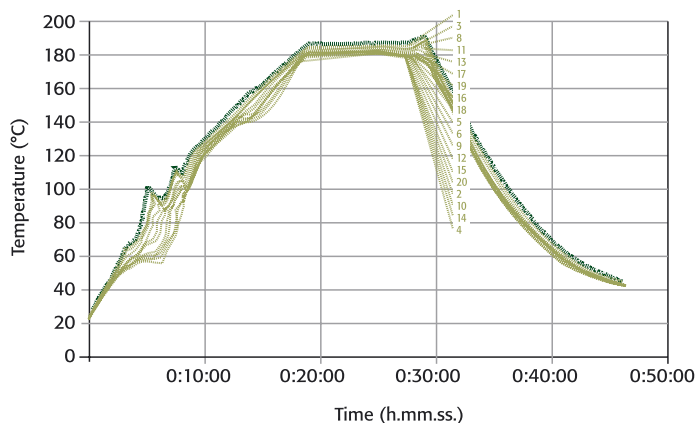
Furthermore, the Q-20 allows for minimal quantities of acid to be used for acid digestion, ensuring very low blank values. Only 3 ml of acid are needed to digest 250 mg of organic samples!

The vessels of the Q-20 rotor are very easy to handle. Heating and cooling are very rapid, allowing for a high sample throughput.



*The components of the Q-20 vessels: TFM cover, high-purity quartz vessel, and safety shield with built-in safety valve.*

### FULL CONTROL OF ALL DIGESTION PARAMETERS



*Temperature monitor and control in all vessels*

All digestion parameters are monitored, controlled, and fully documented.

As vessels of the Q-20 rotor are located on the same ring, the infrared sensor reads the actual temperature of the solutions. With the ETHOS 1 TEMP-SURE feature all temperature profiles are displayed in real time.

### TECHNICAL SPECIFICATIONS

Vessels volume	45 ml
Maximum operating pressure	40 bar
Vessels test pressure	60 bar
Maximum operating temperature	250°C



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