NO LIMITS: HOW SRC TECHNOLOGY IS CHANGING THE GAME FOR METALS PREP

A revolutionary advance in benchtop microwave digestion, the ultraWAVE features patented Single Reaction Chamber (SRC) technology.

What it is
The superior alternative to traditional closed and open vessel digestion, the ultraWAVE offers industrial and research labs greater digestion capability, at least double the sample throughput, improved workflow and significantly lower operating costs - all with a single, easy-to-use instrument.

How it works

1. Sample rack is lowered automatically into microwave chamber.
2. Chamber clamp is secured by the operator. Interlocks prevent operation without clamp in place.
3. Chamber is pre-pressurized with inert gas to prevent sample boiling. Cross contamination is eliminated.
4. Microwave energy is applied. All samples under same temperature and pressure conditions.
5. Very fast cooling step due to water cooling of chamber. Chamber is vented and acid vapors extracted.
6. Clamp is released and sample rack automatically rises from chamber.

Benefits

Convenient
- No assembly or disassembly of vessels.
- Inexpensive disposable vials.
- Eliminates method development, using the same method for almost every sample type.

Efficient
- High sample throughput, 2x rotor-based systems.
- Disposable vessels eliminate the need for cleaning between sample runs.
- Digests any combination of samples simultaneously, no batching required.

Cost-Effective
- Lowest cost per sample.
- Lower labor costs.
- Significantly reduced consumables costs.

Productive
- Stainless steel chamber construction can heat to extremely high temperatures and withstand pressures greater than 2.5x that of any other closed-vessel microwave digestion system.
- Digests even the most difficult sample types.
- Maximizes sample size to address homogeneity and/or detection needs.