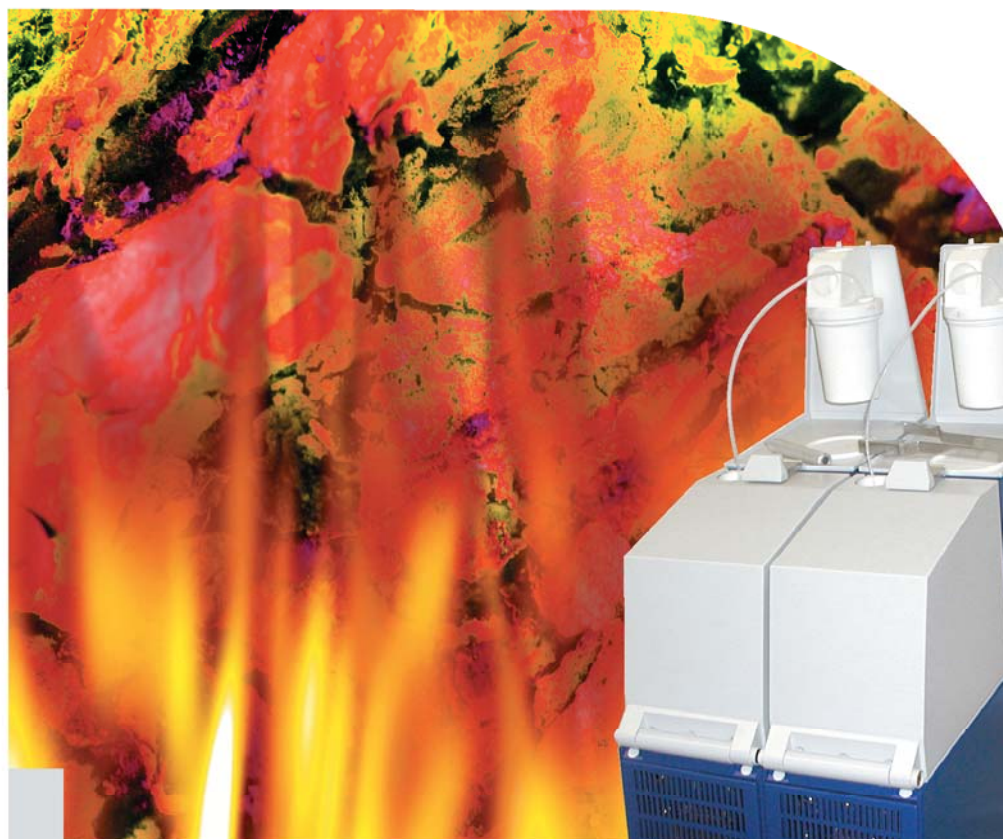




# MICROWAVE LABSTATION MINOTAVR<sup>®</sup>-2



- Digestion
- Evaporation/  
concentration
- Hydrolysis
- Extraction
- Drying
- Synthesis

## ADVANTAGES

- High speed and reaction efficiency
- Absolute safety due to solid metal waveguide, safety valve and automatic overpressure release
- Automatic stop in accordance with preset time of evaporation or residue weight
- Low power consumption due to ultra focused electromagnetic field
- Digestion of large samples
- No sample contamination
- Digestion and evaporation in the same vessel, no losses during sample transfer
- No volatile element losses (Se, As, Hg, etc.)
- Closed vessel (under pressure) or open vessel treatment



LUMEX



## FEATURES

**Modularity:** Minotavr<sup>®</sup>-2 can work as single unit or in a group up to 4 units under common control.

**Software controlled valve:** removes gaseous reaction products and provides reaction under safety pressure.

**Control:** by external PC or control unit

**Controlled parameters:** pressure, temperature (option), power



## APPLICATION EXAMPLES

### Digestion

- Waste water
- Juices, tea, coffee
- Bread, corn, seeds
- Raw fish, seafood
- Fruits, vegetables
- Sugar, sweets
- Milk and dairy products
- Meat and meat products
- Pharmaceuticals
- Biological objects, plants
- Blood, plasma

### Hydrolysis

- Mixed fodder
- Fish flour
- Fodder yeast

## EQUIPMENT AND OPTIONS

**Minotavr<sup>®</sup>-2 units:** 1, 2, 3 or 4 units under common control by an external PC or control panel

**Accessories:** PTFE vessels for digestion; control panel

**Options:** temperature sensor; magnetic stirrer



## TECHNICAL SPECIFICATIONS

Pressure	8 atm
Max. sample weight (digestion)	2 g
Max. volume of liquid sample	50 ml
Reagents	HNO <sub>3</sub> , H <sub>2</sub> O <sub>2</sub> , HCl
Units in group	1 to 4
Sample digestion time	20 – 40 min
Sample hydrolysis time	10 min
Power supply	220–240 Vac, 50 Hz, 600 W
Size and weight	500x450x150 mm, 22 kg

The information and specifications in this publication are subject to change without notice.

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