

Hydrotec™ 8000

One integrated total fat solution



ANALYTICS BEYOND MEASURE

The Hydrotec™ 8000 total fat solution, consisting of an extraction unit, a hydrolysis unit and a FOSS Hydrocap single filter system, allows you to perform total fat analysis in one integrated procedure.

Unique patented filter system

The unique, patented Hydrocap™ filter avoids sample transfer and reduces the risk of human error. Laboratory costs are dramatically reduced and higher sample throughput improves cost effectiveness.

Improving throughput at a lower cost

Simplified operation reduces the potential for human error in total fat analysis while reducing costs and improving overall sample throughput.

Reducing risk in total fat analysis

Chemicals are added and removed by pump, improving safety and reducing the risk of error.

For total fat analysis, Hydrotec 8000 can be used together with a Soxtec 8000 or ST255 Soxtec extraction unit and FOSS HydroCap single filter that works across both units.

Sample type

Raw materials, intermediates and finished products in food, animal feed and petfood

Parameters

Total fat

Technology

Fully automated acid hydrolysis

Approvals

ISO 1444:1996 meat and meat products
ISO 11085:2008 cereals, cereals-based products and animal feeding stuffs
ISO 6492:1999 animal feeding stuff

Specifications

Performance data	
Sample size	0.5-2 g
Measurement range	0.1-100% fat in combination with extraction
Repeatability	Typically $\pm 1\%$ relative standard deviation for 10-100% fat content in combination with extraction
Capacity per batch	12 samples simultaneously
Hydrolysis time	Typically 2 hours, or as stated in Application
Modes	2 modes; Automatic/Manual
Programs	1-9

Installation requirements	
Power supply	115 V 50/60 Hz or 230 V 50/60 Hz depending on ordered version
Water supply	Two water taps - for cooling and also for rinsing water. Alternatively one tap equipped with a T-connector. Deionized or distilled water is not needed
Cooling and rinsing water	Water tap: 1litre/min, $<25\text{ }^{\circ}\text{C}$ (pressure 50 to 500 kPa or 0.5 to 5 bar). Circulating Water Cooler: 1 litre/min, $<25\text{ }^{\circ}\text{C}$ (max backpressure 20 kPa or 0.2 bar)
Drain	One drain/sink for rinse, acid and cooling water
Ventilation	Fume hood.
Dimensions (w x d x h) cm	43 x 34 x 31 cm. Height with lid open is 60 cm.
Weight	18 kg
Power consumption	1860 W (230 V version) 1660 W (115 V version)
Transient overvoltage	Category II

Accessories

- Hydrocaps
- Filter stand

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