

SOXTHERM – Solid-liquid extraction in less than 2 hours

Fast, safe and fully automated extraction



- Efficient
- Fully automated
- Cost-saving
- Safe and reliable
- Rapid and precise
- Flexible
- Kompakt
- Complete solution for fat analysis



— Less solvent, greater cost-effectiveness

Significantly reduce your solvent consumption: only 150 ml per extraction instead of 250 ml with the classic Soxhlet method. The integrated solvent recycling system allows to reuse the solvent up to five times, saving costs, time and resources – environmentally friendly and efficient.

— State-of-the-art safety standards

SOXTHERM automatically monitors temperature, pressure, cooling water and fill levels. The explosion-proof design, safety glass front panel, pneumatic control and insulated heating elements protect you and your laboratory. There is no risk even when using flammable solvents.

— Intelligent technology for precise extraction

The patented solvent lowering system precisely lowers the liquid level. The beakers are automatically lifted after extraction. No additional evaporator is required – maximum precision with minimum effort.

— Flexible and extendable

Up to four apparatuses can be controlled simultaneously via the SOXTHERM Manager or MULTISTAT. With just one water, compressed air and PC connection, modular extensions can be integrated easily and cost-effectively.

— Compact, durable and cost-effective

The compact design saves space in the laboratory, while plug-and-play installation guarantees rapid operational readiness. Low maintenance and operating costs increase your efficiency and reduce downtime.

— Fully automated solution for fat analysis

In combination with HYDROTHERM, SOXTHERM is the only fully automated end-to-end solution for fat determination on the market. Efficiency, safety and the highest analysis quality are combined at an unbeatable price.



SOXTHERM units are available with two, four or six heating places.



The SOXTHERM rapid extraction system from C. Gerhardt is powerful, flexible and fully automatic. It processes up to 24 samples simultaneously, reduces presence time to a minimum and delivers reliable and precise analytical results. The software logs all process and device data for transparent, reproducible laboratory processes.

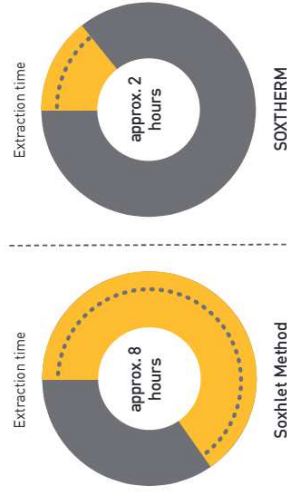
— Record speed during extraction

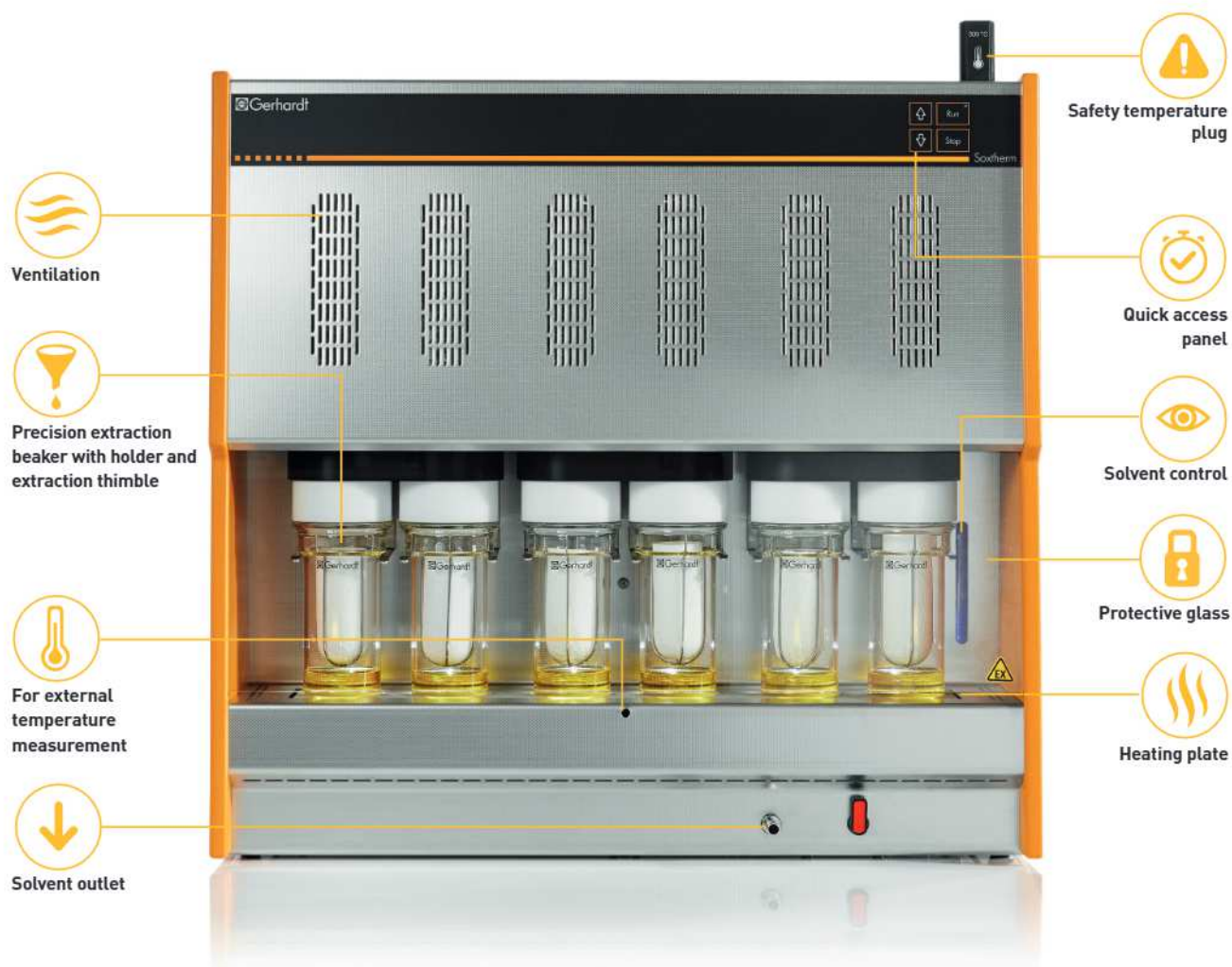
In less than two hours, SOXTHERM extracts up to 24 samples simultaneously – up to four times faster than the classic Soxhlet method. This allows you to increase sample throughput and save valuable laboratory time.

— A true relief for your laboratory

Insert, start, done: the fully automated, programmable processes run independently of the user. Thanks to the quick start function, routine extractions can be started directly on the apparatus, via an external control unit or via a PC – even unattended and overnight.

Rapid extraction with SOXTHERM





Technical data

Extraction places	Depending on the model, 2, 4 oder 6
Sample weighing	variable, depending on the available thimble size
Cooling water consumption	max. 3 l/min
Cooling water pressure	1 – 6 bar
Rated voltage	230 VAC, 50–60 Hz
Nominal wattage	Depending on the model, 400W, 800W or 1200W
Dimensions (W x D x H) in mm	Depending on the model, 250, 405 or 565 x 410 x 580 mm
Interfaces	2 x RS 485
Weight	Depending on the model, 28 kg, 36.5 kg or 43 kg
Maximaltemperatur	300 °C
Extraction beaker	either 100 ml or 150 ml

Stay in touch:

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