

# Tecator™ Digestion Unit 2540 Auto



*Tecator™ Digestion Unit 40 Auto Lift system together with the Scrubber, for fully unattended operation*

## Features and benefits:

Convenient, safe and flexible operation with;

- Increased sample throughput with 40 positions
- Fully automated and unattended digestion
- Timer function for delayed start
- Efficient fume containment through optional exhaust will prevent toxic fumes in the fume hood and laboratory area
- Efficient fume removal through the optional Scrubber unit controlled by the digestion unit
- Two way communication with PC via RS232 or blue tooth
- Full GLP-support by constantly logging of all data and events during digestion
- Pre-programmed applications from a database

## General Description:

The Tecator Digestion Unit 40 comes with a tube rack with capacity for forty 100 ml digestion tubes.

Dependent on the application, order the straight 100 ml tubes either with or without volume mark.

To comply with GLP and Health & Safety requirements we recommend that all Digestion Units are used with an Exhaust Manifold and are located in a fume cupboard. An optional Scrubber Unit creates a fully integrated system.

The Auto Lift version, with exhaust docking facility, allows fully automated unattended operation contributing to safety

and convenience by eliminating handling of hot chemicals and saving valuable bench space.

The integrated programmer precisely controls temperature(s) and timing together with connected components. The analysis cycle is clearly monitored on the graphical display. The programmer has various password protected access levels to prevent unauthorised modification and comply with accreditation procedures. The Digestor can be connected to a PC for data logging and downloading of FOSS and user defined applications.

Various accessories are available to make routine analysis safe and simple. They include a range of test tubes, tube racks and retainer plates for washing, fume removal systems and catalyst tablets.

The Digestion Units are insulated to minimise heat transfer to the surroundings and allow fast, even heating, thus giving good working conditions as well as saving energy.

*Digestion system products, software and accessories are described in more detail in the brochure "Tecator™ Digestion Systems"*

**Order numbers:**

25400001 Tecator™ Digestion Unit 40 Auto Lift system  
 25400003 Tecator™ Digestion Unit 40 Auto  
 25400020 Exhaust  
 25010001 Scrubber  
 60025317 Tube Rack for 40 tubes  
 60025341 Retainer Plate

**Test tubes**

10000735 Digestion Tubes Straight 100 ml 40/pkg  
 10000737 Digestion Tubes Constricted with volume mark  
 at 100 ml 40/pkg

**Performance data:**

Temperature range	Ambient - 440°C
Temperature setting	
repeatability	1°C
Temperature readout	Digital
Heater indication	LED
Heater warning	Text in display
Over temperature protection	Yes
Temperature stability at 100°C	± 2°C
Temperature stability at 400°C	± 1°C
Heating time 20 to 400°C at 230 V	~35 min
Time setting per step	1 - 999 min
Ramp control (Rate of heating)	Yes
Digestion applications memory	Up to 254
Digestion steps per application	Up to 23
Lift connection	Yes, full control
Scrubber	Yes, full control
Tubes / batch	40

**Installation requirements:**

Power Supply:	200 - 240 V, 50 - 60 Hz
Power consumption:	2300 W
Water supply:	See Exhaust Manifolds.If Scrubber connected - None
Weight:	18 kg
Dimensions, W × D × H:	300 × 660 × 697 mm (incl. Rack system)
Ambient temperature:	max 40°C
Ventilation requirement:	Exhaust system and Fume hood
Recommended bench space:	0.4 m

**FOSS**

FOSS Analytical A/S  
 Slangerupgade 69  
 DK-3400 Hilleroed  
 Denmark

Tel.: +45 7010 3370  
 Fax: +45 7010 3371

info@foss.dk  
 www.foss.dk

