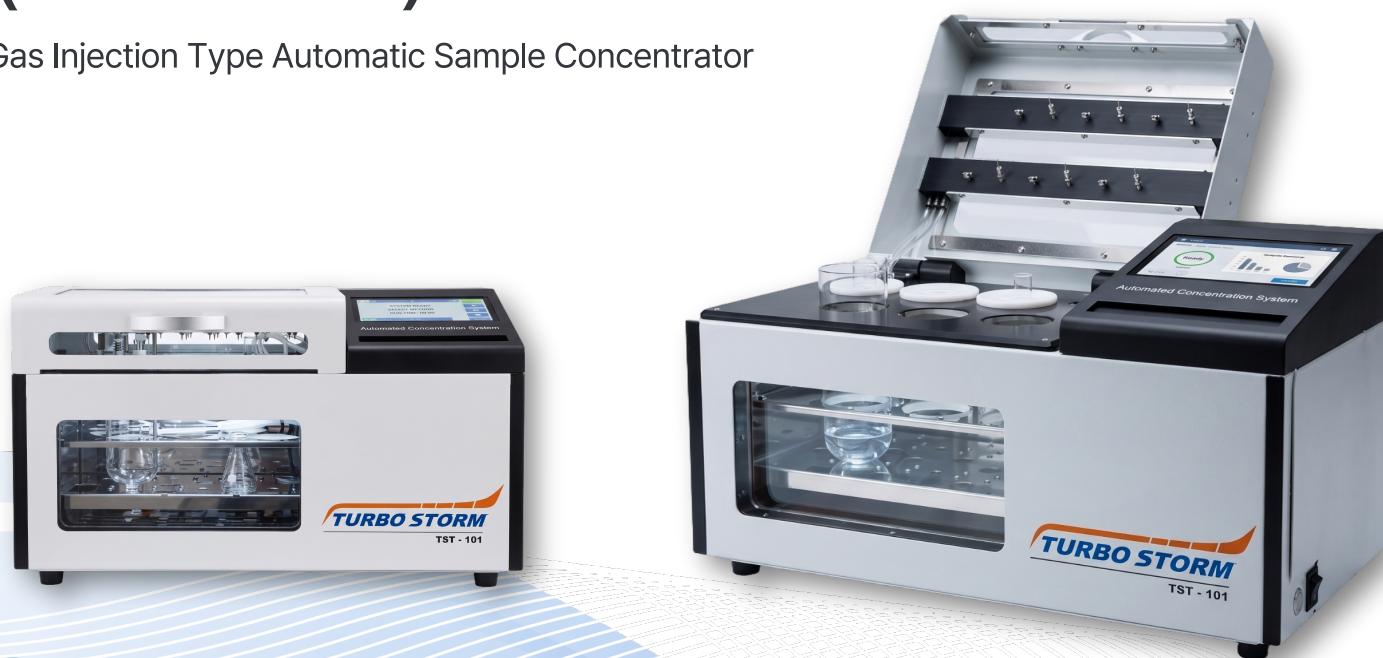


Nitrogen Evaporator

TURBO STORM (TST-101)

Gas Injection Type Automatic Sample Concentrator



Key Features & Technology

01

Advanced Helical Injection Technology

- ✓ Dual helical gas injection nozzles per tube
- ✓ High-speed rotational evaporation
- ✓ Maximized surface area for faster concentration & higher recovery

02

Dual-stage Pressure Control

- ✓ Stage 1 (Lower Pressure <10 psi)
: Prevents overflow
Stage 2 (Up to 60 psi)
: Rapid concentration
- ✓ Automatic stop via optical sensor detection (1 mL / 0.5 mL)

03

Smart Control System

- ✓ 7" Touch LCD Interface
- ✓ Modes: Sensor / Sensor & Time / Time / Manual
- ✓ Real-time display :
Pressure, Temperature, Time
- ✓ Individual control for 1-6 samples

04

User-Oriented Design

- ✓ Auto stop when cover is opened
- ✓ Fast solvent exhaust system
- ✓ Front viewing window for process
- ✓ Easy maintenance with water bath drain system

High Efficiency Performance

Up to 300 mL per sample
 Simultaneous processing of 6 samples
 Stable and reproducible concentration results

Typical Concentration Performance

(Condition: 45°C / 20 psi)

Solvent	Volume	Time
Acetonitrile	200 mL	30 min
Hexane	200 mL	23 min
Methanol	200 mL	70 min
Acetone	200 mL	27 min



Application

Pesticide residue analysis
(Food / Water)

Soil contaminants
(e.g., Benzo[a]pyrene)

PCB & Formaldehyde analysis

Antibiotics in livestock products

Specification

Model	TST-101
Max Volume	300 mL
Max. pressure	99 psi
Optical sensor	6 channels (1mL/0.5mL detections)
Temperature range	Ambient ~ 99°C
Time setting	Up to 99 hr 99 min
Nozzles	2 per tube (12 total)
System Specification	
Size	550 x 300 x 300 mm
Display	7" Touch LCD
Power	AC 220V / 60Hz
Consumption	50 Wh (4.5 kWh with heater)
Weight	20 kg

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