

NITRON

High-Temperature Automated Block Digestion

The Nitron High-Temperature Automated Digestion and Dispensing system is designed for routine and customizable methods that require heating up to 400°C. It is ideal for automating applications involving acids like sulfuric and phosphoric acid.

The six independent reagent lines reduce priming operations, increase dispensing speed and minimize cross contamination.

The all-plastic fume hood provides a safe environment by reducing user contact with harmful acid fumes and hot samples.

Nitron will automatically:

- Heat samples up to 400°C
- Cool samples to ambient
- Dispense acids and reagents



Common Applications:

- Total Kjeldahl Nitrogen
- Total Phosphorus
- Feed
- C.O.D.
- Plastics
- Ores
- Food

Nitron software provides complete control and flexibility over the automation. The ease of method development allows users with unique samples and processes to customize the system for their applications.



Accessories

Fume Scrubber ■ Exhaust Blower ■ Reagent Storage Cabinet ■ Glassware

Standard QBlocks for Nitron

NT-QB-30-30	QBlock for Nitron, capable of heating to 400°C; 30 positions with anodized aluminum block, sample tray and tray holder
NT-QB-47-12	QBlock for Nitron, capable of heating to 400°C; 12 positions with anodized aluminum block, sample carrying tray and tray holder

Standard Digestion Vials

84-100-333	50 ml, Glass Tube
84-100-356	100 ml Glass Tube
84-100-303	100 ml, Quartz Tube
84-100-291	150 ml, Glass Tube
84-100-341	250 mL, Glass Tube



Computer : Windows® 10 to XP™ , 1 USB port

Utilities : 208 VAC, 60 Hz, 12 Amps or 220 VAC, 50 Hz, 12 Amps

Exhaust Flow : 150 CFM

Operating ambient temperature : 5° C - 40° C

Operating ambient Humidity : 10% - 80%

Dispensing Accuracy : Peristaltic pump : ±0.1 - 0.15 ml

Dispensing Flow : Peristaltic pump : ±0.5 - 2. 0 ml/sec

Make Up Volume Accuracy : ±0.15 ml in 50 ml vial

Temperature Accuracy : ±2%

Dimensions (W x D x H)	89 X 64 X 77 cm (35 X 25 X 30 in.)
Weight	70 kg (153 lb)
Shipping Dimensions	97 X 87X 102 cm (38 X 34 X 40 in.)
Shipping Weight	114 kg (252 lb)

Customization

Do you have unique vial and temperature requirements?

Questron will design and manufacture customized block digestion systems for