

HotBlock® TKN Systems



No more struggling to perform TKN

No need to monitor your process—performs digestions automatically

- Be more flexible with higher temperature capabilities—heats up to 450°C
- Get up and running quicker—block heats faster so you get digesting faster
- Program and recall up to 8 applications (including TKN) with the advanced touch-screen controller
- Choose between two configurations—28 or 54 positions—to suit your needs
- No need to buy separate glassware for your systems—glassware can be used with our SimpleDist® systems as well



Advanced touch-screen controller TKN180

Simple controller TKN100



HotBlock® TKN

The controller is programmed to ramp the temperature of the block to 160°C and hold for 60 minutes. Then the block temperature automatically ramps to 380°C over the course of 60 minutes and holds that temperature for an additional 30 minutes. At that point the block shuts off to end the digestion. Temperature, ramp rate, and hold times are easily programmed for other procedures. Up to 20 steps can be incorporated for each digestion procedure.

To withstand the highly corrosive nature of the TKN procedure, the high-temperature block is encased in 316 stainless steel. The tube stand and cooling rack are also 316 stainless steel. The controller is independent from the block and should be placed outside the fume hood to reduce the likelihood of acid damage.

HotBlock TKN units come in two configurations—28 wells and 54 wells. Both models use the same digestion tubes, including threaded tubes which are compatible with the SimpleDist system. Choose between two controller options—the simple controller for basic operation or the advanced touch-screen controller which can also be used with our HotBlock Pro system.

Specifications

Temperature range: Ambient to 450°C

Dimensions (W x H x D):

28-well block: 21" x 16" x 10¾"

54-well block: 22¼" x 16" x 14¼"

Electrical: 240 VAC, 50/60 Hz

Description	Catalog number
Blocks only	
28-well digestion block only	TKN028
54-well digestion block only	TKN054
Controllers only	
Simple controller	TKN100
Advanced touch-screen controller	TKN180
Complete HotBlock TKN systems	
28-well block digestion system with simple controller, threaded tubes, and tear drop stoppers	TKN028SYS-TH
28-well block digestion system with simple controller, nonthreaded tubes, and tear drop stoppers	TKN028SYS-NT
54-well block digestion system with simple controller, threaded tubes, and tear drop stoppers	TKN054SYS-TH
54-well block digestion system with simple controller, nonthreaded tubes, and tear drop stoppers	TKN054SYS-NT



HotBlock TKN

Digestion Tubes and Stoppers

- Take TKN results directly to distillation

These TKN tubes and stoppers are designed to maximize heat transfer and minimize sample contamination. The threaded tubes are also compatible with our SimpleDist® system, so no worrying about spills or loss of samples during transfer.



Description	Catalog number
Threaded tube	C6010
Non-threaded tube	TKN6011
Teardrop stopper	TKN6012