

# Total Kjeldahl Nitrogen

## Perform TKN digestions with the high temperature 316 SS digestion block.

These durable blocks heat up quickly for optimum performance. As many as 20 applications, including TKN, can be stored in the easily programmable controller.

To perform TKN, the controller is programmed to ramp the temperature of the block to 190°C and hold that temperature for 30 minutes. Then the block temperature automatically elevates to 390°C and remains at that temperature for 90 minutes. At that point the block shuts off to end the digestion. Temperature, ramp rate and hold times are programmed just as easily for other procedures. Up to 30 steps can be incorporated for each digestion procedure.

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

TKN Blocks are available in a 50 position model for use with 100mL digestion tubes or a 28 position model for use with 250mL digestion tubes. **Systems come complete with stainless steel tube racks, draft shields, cooling stands and tubes unless noted.**



**Overall Size:** 23.5" w X 11" d  
**Weight:** 44lb.  
**Electrical:** 208-240V, 50/60Hz, 12A  
**Warranty:** One year parts and labor  
**Temperature Range:** Ambient to 450°C  
**Heat Rate:** 1 to 5°C/Minute

### TKN Systems and Accessories:

Description	AIM Part #	Catalog #
50-Well AIM600 System, 75mL Straight Tubes	DG-U-A012	SC930
50-Well AIM600 System, 75mL Volumetric Tubes	DG-U-A016	SC931
50-Well AIM600 System, 100mL Straight Tubes	DG-U-A013	SC932
50-Well AIM600 System, 100mL Volumetric Tubes	DG-U-A017	SC933
28-Well AIM600 System, 250mL Straight Tubes	DG-U-A010	SC934
28-Well AIM600 System, 250mL Volumetric Tubes	DG-U-A015	SC935
50-Well AIM600 Block, 75mL/100mL, No Tubes/Stand	DG-U-A014	SC900
28-Well AIM600 Block, 250mL, No Tubes/Stand	DG-U-A011	SC910
Teardrop Stoppers for 250mL Tubes, Pack of 28	—	SC9706
Splash-head Tube Inserts for 75 and 100mL Tubes, each	—	SC9826
Splash-head Tube Inserts for 250mL Tubes, each	—	SC9865



**Splash-head tube inserts ensure safe reagent addition to digestion tubes during the digestion process.**



**Teardrop stoppers capture and condense digestion fumes, reducing acid loss and preventing cross contamination.**

# ENVIRONMENTAL EXPRESS

Call 800.745.8218 or 843.576.1147 ■ [www.environmentalexpress.com](http://www.environmentalexpress.com)

