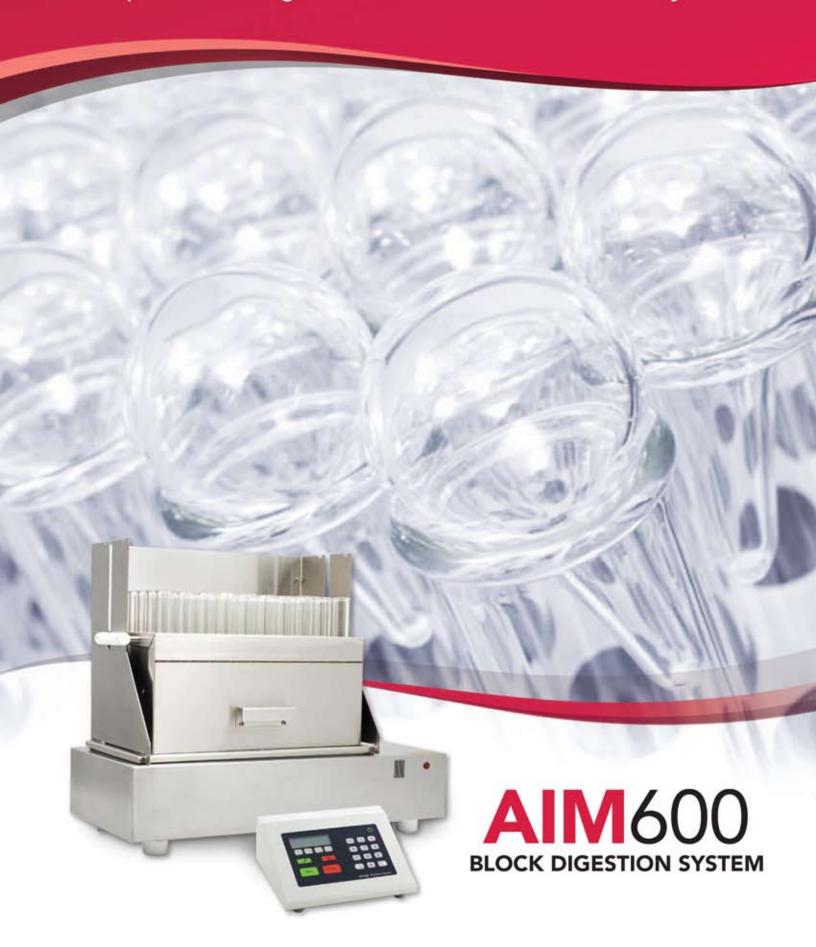
Improved digestions for better analysis



AIM600



28 place block with digestion tubes in the heating position



50 place block with digestion tubes in the cooling position



The AIM600s unique flat plate heating design provides even heating leading to better quality digestions.



Common rod heating blocks have large temperature variations across the block resulting in poor, uneven digestions.

BETTER PRODUCTIVITY

The AIM600 Programmable Digestion System performs acid digestion of large numbers of samples under controlled conditions and are available in two different formats:

- 28 place for 250ml digestion tubes
- 50 place for both 75ml and 100ml digestion tubes

Designed for durability and robustness, the AIM600 digestion system includes a block digestion unit, microprocessor controller, tube rack/draftshield, a set of digestion vessels and a cooling stand that supports the tube rack above the block.

If you are looking to automate your digestions, the AIM600 offers enhanced productivity, better quality digestions and increased safety.

MORE RELIABLE DIGESTIONS

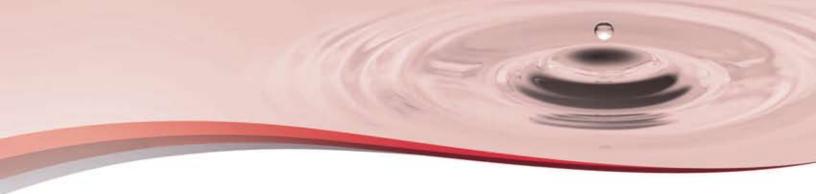
The AIM600 Digestion System heat samples at a controlled rate, in the presence of one or more acids, to the required temperature then holds the samples at that temperature until digestion is complete.

The AIM600s' unique flat plate design results in an even temperature distribution across the block and more precise temperature control. The temperature of each digestion position in the AIM600 is tightly regulated ensuring all samples in the batch are digested equally (diagram A).

Other block designs use a more common rod heater design that results in a greater temperature variation across the digestion block (diagram B).

The different coloured zones shown on the AIM600 block illustrate the temperature isotherms across the block at 400° C.

In addition, your digestion methods are stored electronically to provide reproducibility from batch-to-batch, operator-to-operator. You can store up to 20 programs, each with up to 30 steps, allowing you to automate the most complex digestion procedure.



SAFETY

The excellent temperature stability of the AIM600 eliminates the need to move individual samples to a more "favourable position" during the digestion.

Controlled heating rates, as low as 1°C per minute, protect against bumping and splattering of reactive samples.

The AIM600 Controller senses power failures and will record the digest conditions and hold the digest to protect your samples. An in-built safety cut-out protects from overheating. The Controller is separate from the Block protecting the electronics and the operator from acid fumes.

IDEAL FOR

- Total Kjeldahl Nitrogen
- Total Phosphorus
- ▶ Metals
- Mercury
- ▶ C.O.D.
- and more digestions

ECONOMICAL

Apart from power and reagents, the AIM600 has no ongoing consumable costs and do not use any components with a limited service life.

The provision to program an elevated standby temperature for rapid start up enables you to process more batches per day. In addition, you can safely run a digest overnight so you have a full batch of digested samples ready for analysis at the beginning of each day. Automatic operation frees key laboratory personnel from the tedium of managing long digestion processes and provides an early start for analysis.

The AIM600 also has a small footprint to save you valuable fume cupboard space.

ACCESSORIES



Tube rack/draftshield Enables all tubes to be easily transported and keeps the radiated heat around the tubes during digestion.



Cooling Stand Supports the tube rack above the block to facilitate rapid cooling.



Digestion Tubes
Available in straight sided tubes or as volumetric tubes with a constricted neck and class "A" calibration mark.



Teardrop stoppers Captures and recondenses digest fumes reducing acid loss and preventing cross contamination.



Splash-head For safe reagent addition during a digestion to 250mL digestion tubes.

PLEASE VISIT

www.blockdigestion.com



POWER REQUIREMENTS

Block: 220-260VAC, 50/60 Hz Controller: 100-260VAC, 50/60 Hz

OPERATION REQUIREMENTS

Digestion block must be operated in a fume hood. Controller should be operated outside of fume hood.

FOOTPRINT

Block: 60 cm (23.5") W x 28 cm (11") D Controller: 25 cm (10") W x 24 cm (9.5") D

TEMPERATURE RANGE

Ambient to 450°C

SET POINT ACCURACY

+/- 2° C

CAPACITY

50 x 75ml tubes, 50 x 100ml tubes, 28 x 250ml tubes

SYSTEM CONFIGURATIONS

DG-U-A021 AIM600 system (28 place) consists of a Heating Block, Programmable Controller and Tube rack/draftshield

DG-U-A024 AIM600 system (50 place) consists of a Heating Block, Programmable Controller and Tube rack/draftshield

ACCESSORIES

4003035 Digestion tubes, glass, 75ml, straight (50pk)
4003005 Digestion tubes, glass, 75ml, volumetric (50pk)
4003036 Digestion tubes, glass, 100ml, straight (50pk)
4003006 Digestion tubes, glass, 100ml, volumetric (50pk)
4003031 Digestion tubes, glass, 250ml, straight (28pk)
4003001 Digestion tubes, glass, 250ml, volumetric (28pk)
5001241 Cooling stand for 28 place tube racks
5001511 Cooling stand for 50 place tube racks
8040703 Teardrop stoppers, glass (75/100ml tubes) for enhanced reflux (50pk)
8040704 Teardrop stoppers, glass (250ml tubes) for enhanced reflux (28pk)
8027565 Splash-head, glass, for 250ml tubes
5001231 Tube rack/draftshield, 28 place for 250ml tubes
8028114 Tube rack/draftshield, 50 place for 75ml or 100ml tubes

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