

laboratory

heating blocks / digestors



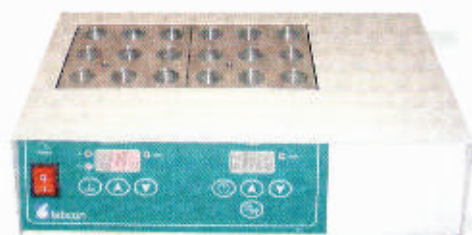
heating blocks

 **labcon**  
QUALITY ■ PRECISION ■ PERFORMANCE

## labcon mini heating block / digester

LABCON mini heating block / digester units are suitable for COD's, thermal digestions and general test tube heating applications in the temperature range of ambient +5°C to 200°C. Temperature control is microprocessor controlled using PT100 input sensor and a solid state relay output. A three position setpoint selector switch selects either one of two preset temperatures or a continuously variable setpoint control. The preset temperatures are factory set to 100°C and 148°C respectively, and are user adjustable to any temperature within the range of ambient +5°C to 200°C. A selectable timer, 0-120 minute, for automatic shut-off is also fitted as standard. Aluminium block area - 120 x 120mm. Hole depth - 55mm.

OPTIONS:- A unit with two moveable blocks as shown on the right  
 TEMPERATURE RANGE:- Ambient +5°C to 200°C  
 CONTROL ACCURACY:-  $\pm 0.2^\circ\text{C}$  @ 100°C



DOUBLE HEATING BLOCK

### technical data

MODEL	HOLES		DIMENSIONS			POWER		WEIGHT KG
	NO.	Ø mm	W	D	H	VOLTAGE	Kw	
MHB25/16	25	16.5	135	250	265	220/240	0.5	6.5
MHB16/22	16	22	135	250	265	220/240	0.5	6.5
MHB36/11C	25	11 conical	135	250	265	220/240	0.5	6.5

## labcon heating block / digester

LABCON heating block / digester units are suitable for COD's, thermal digestions and general test tube heating applications. Digestors consist of three parts:- The electronic control unit, the heating block unit and the test tube rack if required. The remote cables between the microprocessor control unit and the heating block are 1.5m long. Control units and heating blocks are interchangeable.

#### Microprocessor Control Unit:-

incorporates a microprocessor controlled temperature indicator, a selectable timer, 0-12- minutes for automatic shut-off, a three position setpoint selector switch which selects either one of two preset temperatures or a continuously variable setpoint control. The preset temperatures are factory set to 100°C and 148°C respectively, and are user adjustable to any temperature within the operating temperature range of the specific model.

#### MODEL:- CONTROLLER

DCA 45 - temperature range +50°C to 450°C

DCA 20 - temperature range Ambient +5°C to 200°C

CONTROL ACCURACY:-  $\pm 0.2^\circ\text{C}$  @ 100°C

#### Heating Block Units:-

Machined aluminium block housed in a well insulated powder coated mild steel housing with stainless steel surround. The element is a easily replaceable clamp on type incoloy element.

#### MODEL:- Single block units

D18 - 18 HOLES x 47 Ø 60mm DEEP

D21 - 21 HOLES x 34 Ø 60mm DEEP

D40 - 40 HOLES x 28 Ø 60mm DEEP

D60 - 60 HOLES x 23 Ø 60mm DEEP

D105 -105 HOLES x 16 Ø 60mm DEEP

#### MODEL:- Double block units

D18/2 - 36 HOLES x 47 Ø 60mm DEEP

D21/2 - 42 HOLES x 34 Ø 60mm DEEP

D40/2 - 80 HOLES x 28 Ø 60mm DEEP

D60/2 -120 HOLES x 23 Ø 60mm DEEP

D105/2 -210 HOLES x 16 Ø 60mm DEEP

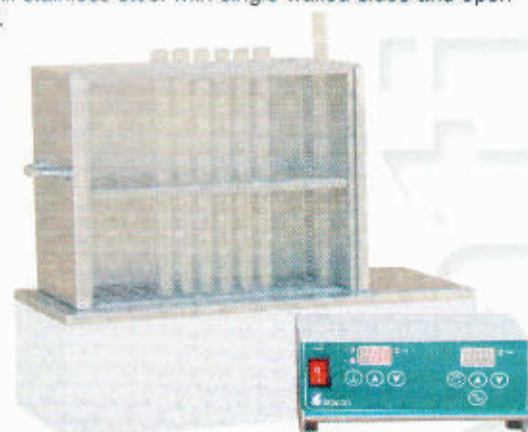
#### Test tube racks:-

**STANDARD** - All stainless steel with three sides double walled and insulated plus toughened glass front safety shield.

**ECONOMY** - All stainless steel with single walled sides and open front and back.

### technical data

MODEL	DIMENSIONS			POWER		WEIGHT KG
	W	D	H	VOLTAGE	Kw	
DCA Control Unit	140	275	260	220/240	0.1	4.5
Single Block Unit	180	580	270	220/240	2.0	19.5
Double Block Unit	180	580	430	220/240	3.0	37.0
Single Rack Standard	330	450	220			6.5
Double Rack Standard	330	450	355			8.5
Single Rack Economy	230	420	165			1.3
Double Rack Economy	230	420	320			2.5



HEATING BLOCK

CONTROLLER

Every effort has been taken to ensure the accuracy of this specification. However, due to continuous development and improvement the goods supplied may vary in detail from those described or illustrated.

Supplied by: