

BD40 HIGH TEMPERATURE DIGESTION SYSTEM

Kjeldahl Digestions...Made Easy!

INTRODUCTION

Lachat's BD40 Block Digestor will improve the accuracy, precision and productivity of your high temperature digestions. Developed to digest Total Kjeldahl Nitrogen and Total Phosphorus samples, the BD40 brings key features to this well-accepted block digestion technique.



BUILT FOR HARSH ENVIRONMENTS

The BD40HT block digester utilizes the latest in graphite block technology, with silicon carbide (SiC) coated graphite blocks which resist aggressive corrosion.

SMALL FOOTPRINT

With a two-tier, dual zone tube rack, the BD40 space used is reduced by 50%, allowing more room for other lab instruments.

EASE OF USE

An intuitive touch screen controller with a color display, and over 10 built-in languages to select from, makes operating your digester quick and easy.

TOTAL CONTROL AT YOUR FINGERTIPS

The BD40 controller allows for storage of up to 12 custom methods, with 3 programmable levels. The controller shows a graphical representation of the heating profile in real-time, and comes with built-in safety features such as automatic shutdown.

ALL THE ACCESSORIES YOU NEED

Lachat offers all the accessories you will need for digestion—from Glass Ball Condensers, to Heat Deflector Shields and boiling chips and pre-made reagents for the analyses.



Glass Ball Condensor



Hengar Granules

Pre-Made Reagents:

Part Number	Reagent	Shelf Life	Lachat Method Number	
2354153	Ammonia Standard 1000 mg N/L as NH ₃ 1L			
52905	TKN Reagent Set (Purple labels)		10-107-06-2-D	10-107-06-2-E
52008	Sodium Hydroxide solution	1L 24 months		
52009	Tartrate Buffer	1L 24 months		
52010	Sodium Salicylate/nitroprusside	500 mL 6 months		
52011	Sodium Hypochlorite reagent	1L 6 months		
52910	TKP Reagent Set (Green Labels)		10-115-01-1-C	10-115-01-1-D 10-115-01-1-E
52019	Sodium Decyl Sulfate	0.5g x 3 24 months	10-115-01-1-E*	10-115-01-2-B*
52020	Ascorbic Acid Reagent 1L	30 g x 3 12 months	10-115-01-1-F*	10-115-01-2-C*
52070	Molybdate Reagent	1L 12 months	13-115-01-1-B*	
2321142	Phosphate Standard 1000 mg P/L	100 mL	*order 52002, not 57070 for these methods	

DATASHEET: BD40 BLOCK DIGESTOR

Environmental Specifications for Digestor and Controller:	
<i>Relative Humidity:</i>	30% to 80%
<i>Installation:</i>	Category II
<i>Pollution:</i>	Degree 2
<i>Ambient Operating Temperatures:</i>	-5 to 40°C

Touchscreen Controller:	
<i>Model:</i>	Touch Screen
<i>Voltage:</i>	230V +/- 10%
<i>Frequency:</i>	50/60 Hz
<i>Maximum Operating Temperature:</i>	85°C
<i>Size:</i>	25W x 19D x 17H (cm)

	9.8 x 7.5 x 6.8 (in)
<i>Weight:</i>	2.2 kg (4.9 lbs)
BD40 Digestor:	
<i>Model:</i>	BD40 High Temperature Digestion System
<i>Capacity:</i>	40 Samples
<i>Operating Temperature:</i>	Ambient to 450°C
<i>Tube Capacity:</i>	115 mL
<i>Voltage:</i>	230V +/-5%
<i>Power:</i>	3362 W
<i>Internal Thermal Fuse:</i>	Manual Reset above 450°C
<i>Frequency:</i>	50/60 Hz

How To Order

A38201	BD40 High Temperature Digestion System with Color Touch Screen Controller. Includes: 40-position Heating Block with External, Touch Screen Controller, 40 Refluxing Test Tubes, 40 Cold Fingers, 40-position Test Tube and Cooling Rack, Heat Deflector Shields, and Boiling Chips.
A38202	BD-40HT High Temperature Digestion Block with Test Tube Rack
A38203	BD-40 Touch Screen Controller with Color Display

Accessories:

18094L	Calibrated Test Tube, 25 mL and 50 mL, Round Bottom (each)	18095L	Replacement Dongle for Touch Screen Controller
18091L	Heat Deflector Shields for Improved Evaporation (2/pkg)	18032L	Cold Finger Set (40/pkg)
18092L	Power Cord 230V North America with C19 Connector	18032	Cold Finger (each)
18093L	40-position Test Tube and Cooling Rack	18051	Boiling Chips, 250g
18090L	Calibrated Test Tube, 25 mL and 50 mL, Round Bottom (40/pkg)		

In the U.S.A.

Call toll-free (800) 247-7613.

Outside the U.S.A.

Contact the LACHAT distributor serving you.

www.lachatinstruments.com or www.hach.com

Email:

sales@lachatinstruments.com or techhelp@hach.com

LL023 Rev.3.0

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