

Laboratory Equipment

LabQuest by Borosil are products that meet Borosil's high standards of reliability, performance and value.

All products are backed by Borosil's robust service and after sale support.

Manufacturers of Laboratory Equipment

SMART

RUGGED

PRACTICAL



- KJELDHAL SYSTEM
- COD DIGESTERS
- FAT DETERMINATION APPARATUS
- UV VISIBLE SPECTROPHOTOMETER
- WATER DISTILLATION UNITS
- CONTROLLED HEATING MANTLES
- STIRRERS
- CHILLER
- LABWARE DRYER
- DRY BATH
- VORTEX MIXERS
- CENTRIFUGE
- MICROPIPETTES
- SHAKERS
- VACCUM PUMP
- OVERHEAD STIRRERS
- BOTTLE TOP DISPENSERS
- DIGITAL BURETTE



Kjeldahl

Magnus Digesters

Automatic Kjeldahl Digestion unit with 8 / 12 / 20 position aluminium heating block that offers excellent thermal homogeneity and stability.



Technical Data & Ordering Information

Model Name	KBD083	KBD123	KBD203
Type	Block Digester	Block Digester	Block Digester
No. of positions	8	12	20
Tube capacity (ml)	250 / 400		
Temperature Range	Ambient to 470°C		
Timer Range	1-1200 mins		
Temperature Precision	±1°C		
Ramp and Hold	upto 4		
Presets	upto 50, editable		
Auto scrubber ON/OFF	Yes		
PID control	Yes		
Autolift	Yes		
Auto OFF after achieving set time	Yes		
Temperature Calibration	Yes, single and two point		
PC & Printer Connectivity	Yes, upgradable		
Display	Graphical LCD		
Body	Stainless steel with control pannel of FRP		
Current Consumption	6A	8A	12A
Dimensions (W × D × H)	(416 × 554 × 595) mm		(410 × 585 × 735) mm
Power Consumption	1400W	2100W	2800W
HSN Code	84198990		
Ordering Code	BLFAKBD08300000000	BLFAKBD12300000000	BLFAKBD20300000000

Kjeldahl

Oracle Digesters

Kjeldahl Digestion unit with 6 / 8 / 12 position aluminium heating block that offers excellent thermal homogeneity and stability.



Technical Data & Ordering Information

Model Name	KBD062	KBD082	KBD122
Type	Block Digester	Block Digester	Block Digester
No. of positions	6	8	12
Tube capacity (ml)	250/400		
Temperature Range	Ambient to 470°C		
Timer Range	1-1200 mins		
Temperature Precision	±1°C		
Ramp and Hold	upto 4		
Presets	upto 50, editable		
Auto scrubber ON/OFF	Yes		
PID control	Yes		
Autolift	No		
Auto OFF after achieving set time	Yes		
Temperature Calibration	Yes, single and two point		
PC & Printer Connectivity	Yes		
Display	Graphical LCD		
Body	Stainless steel with control pannel of FRP		
Current Consumption	6A	6A	8A
Dimensions (W × D × H)	(410 × 585 × 735) mm	(410 × 585 × 735) mm	416 × 554 × 595
Power Consumption	1400W	1600W	2100W
HSN Code	84198990		
Ordering Code	BLFAKBD06200000000	BLFAKBD08200000000	BLFAKBD12200000000

Optional Accessories

Description	Ordering Code
Viton Rubber Tube - 10mm ID × 14mm OD – 1Mtr	BLA0VRT10D0014DBLK
Teflon Fume Cap ACCS (Case Lot – 01 No)	BLAAFUT100PTFE1651
KBD062 Fume Extractor	BLAAKBD06230000000
KBD080 Fume Extractor Glass ACCS	BLA0FUTKBD080D2510
KBD082 Fume Extractor	BLAAKBD08230000000
KBD083 Fume Extractor ACCS	BLAAKBD08330000000
KBD123 Fume Extractor ACCS	BLAAKBD12330000000
KBD200 Fume Extractor Glass ACCS	BLA0FUTKBD200D2510
KBD203 Fume Extractor ACCS	BLAAKBD20330000000
KBD062 Cooling Tray	BLAAKBD06170000000
KBD082 Cooling Tray ASM ACCS	BLAAKBD08250000000
KBD123 Cooling Tray ASM ACCS	BLAAKBD12350000000
KBD203 Cooling Tray ASM ACCS	BLAAKBD20350000000
KBD062 Test Tube Holder ACCS	BLAAKBD06220000000
KBD082 Test Tube Holder ACCS	BLAAKBD08220000000
KBD083 Test Tube Holder ACCS	BLAAKBD08320000000
KBD122 Test Tube Holder ACCS	BLAAKBD12200000000
KBD123 Test Tube Holder ACCS	BLAAKBD12320000000
KBD203 Test Tube Holder ACCS	BLAAKBD20320000000
250 ml Borosilicate Test Tube ASM (Case lot-5)	BLMATTB01041250000
400ml Borosilicate Test Tube ASM (Case lot-5)	BLAATTB01050400001
Quartz Test Tube 250ml ASM (Case lot-2)	BLGATTQ01041250000

Fume Scrubber

Safe, zero exposure & high capacity
fume scrubber for Kjeldahl digestion systems



Technical Data & Ordering Information

Model Name	KSC010	KSC020
Current	1A	1A
Pump delivery Rate	28 Ltr/Min	45 Ltr/Min
Dimensions (W × D × H)	(445 × 375 × 460) mm	
HSN Code	84198990	
Ordering Code	BLFAKSC01000000000	BLFAKSC02000000000

Optional Accessories

Model Name	Ordering Code
Silicon Transt Tube - 8MMIDx10MMOD - 1Mtr	BLA0STT8D00012TRNP
Viton Rubber Tube - 10MMIDx14MMOD - 1Mtr	BLA0VRT10D0014DBLK
Clear Braided PVC Hose pipe ACSS	BL0PIPPVC0HOS00CB
2L Reagent bottle - 1500030 ASM	BLA0BGW10001500030
KSC 020 Condenser V2 ASM	BLAAFUTV2KSCCD2932
KSC 010 Condenser V3 ACSS	BLAAFUTV3KSCCD2932
KSC Carbon Bottle ASM	BLAACRB02020018000

Kjeldahl

NEW
PRODUCT

Magnus Distillation
System with
Autotirator

Smart, efficient distillation systems for labs now available with Inbuilt Autotitration

Excellent features with high reliability and advance performance.



Technical Data & Ordering Information

Model Name	KDI060	Model Name	KDI060
Steam	Distilled water	Alkali	Boric Acid Addition
Residue drain	Automatic	Titration Type	pH base
Display	7" colored touch screen	Water Addition	Automatic
Tube Capacity (ml)	250 / 400ml	Distillation Residue Removal	Automatic
Steam power regulation (Adjustable)	10 to 100%	Titration Cleaning Vessel	Automatic
Minimum distillation time (mins)	5	Detection Limit	0.1ml
Reagent level sensor	Yes	Analysis time	upto 1min
Anytime alkali addition	Yes	Titration Residue Removal	Automatic
Tube error detection	Yes	Boric Acid Addition	Automatic
Door close sensor	Yes	Burette Resolution	0.03ml/drop
Process resume from stop	Yes	Power Supply	230V/50Hz
One point calibration alkali and distilled water pump	Yes	Current Consumption	10A
Two point calibration for acid pump	Yes	Power Consumption	1800 W
Real time monitoring of process parameter	Yes	Dimension (L × B × H) mm	(480 × 470 × 820) mm
SELV protection	Yes	HSN Code	84198990
Programs	40 preset, 10 user editable	Ordering code	BLFAKDI06000000000
PC Connectivity	Yes		
Nitrogen recovery	>99.5%		
Nitrogen reproducibility	0.01		
RSD	<1%		
LOD	1-200mg with of = 0.1mg of Nitrogen		

Kjeldahl

Magnus Distillation System

Smart, efficient distillation systems for labs.
Excellent features with high reliability and advance performance.



Technical Data & Ordering Information

Model Name	KDI050
Steam addition	Automatic
Distilled water addition	Automatic
Alkali addition	Automatic
Boric acid addition	Automatic
Tube Drain	Automatic
Display	7" colored touch screen
Tube Capacity (ml)	250 / 400ml
Steam power (Adjustable)	10-100%
Minimum distillation time (mins)	5
Reagent level sensor	Yes
Anytime alkali addition	Yes
Tube error detection	Yes
Door close sensor	Yes
Process resume from stop	Yes
One point alkali and distilled water pump	Yes
Two point calibration for acid pump	Yes
Real time monitoring of process parameter	Yes
SELV protection	Yes
Programs	40 preset, 10 user editable
PC Connectivity	Yes
Nitrogen recovery	>99.5%
Nitrogen reproducibility	±1 %
RSD	<1%
LOD	1-200mg with of = 0.1mg of Nitrogen
Current Consumption	10A
Power consumption	1800 W
Dimension (L × B × H) mm	(480 × 470 × 820) mm
HSN Code	84198990
Ordering Code	BLFAKDI05000000000

Kjeldahl

Oracle Distillation System

Smart, efficient distillation systems primarily for kjeldahl analysis with simple and reliable features.



Technical Data & Ordering Information

Model Name	KD1040
Steam addition	Automatic
Distilled water addition	Automatic
Alkali addition	Automatic
Boric acid addition	Automatic
Display	LCD
Tube Capacity (ml)	250 / 400ml
Steam power (Adjustable)	25%-100%
Minimum distillation time (mins)	5
Reagent level sensor	Yes
Anytime alkali addition	Yes
Tube error detection	Yes
Door close sensor	Yes
Process resume from stop	Yes
One point alkali and distilled water pump	Yes
Two point calibration for acid pump	Yes
Real time monitoring of process parameter	Yes
SELV protection	Yes
User Editable Programs	40 preset, 10 user editable
PC Connectivity	Yes
Nitrogen recovery	>99.5%
Nitrogen reproducibility	±1 %
RSD	<1%
LOD	1-200mg with of = 0.1mg of Nitrogen
Current Consumption	5.5A
Power consumption	1000 W
Dimension (L × B × H) mm	(650 × 350 × 725) mm
HSN Code	84198990
Ordering Code	BLFAKD104000000000

Accessories

Magnus Kjeldahl Distillation / Oracle Kjeldahl Distillation

Description	Ordering Code
Silicon Transt Tube-8mmidx10mmod - 1mtr	BLA0STT8D00012TRNP
Clear Braided PVC Hose Pipe ACCS - 1Mtr	BLA0PIPPVC0HOS00CB
KDI PTFE Tube - 10mm OD × 08mm ID - 1Mtr	BLA0TUB000PTFE1008
KDI FLOW SWITCH ASM ACCS	BLAAKDI05010000001
KDI Drip Tray ASM	BLA0KDI000DRP0TRAY
Oven Mittes - KDI ASM	BLA0OVM000KDI00000
KDI PP Jerry Can ACCS	BLA0JCNP00000005L



Complete Solution for Proximate Analysis

Our product line now encompasses a comprehensive range for proximate analysis, ranging from protein to moisture, fat, and fiber analysers

Moisture analyser provide a definitive solution for moisture testing, a utmost parameter required to be estimated by food & feed industries.

New and revamped **Protein, Fat & Fiber analysers** are compact models that save on time, reagent and increase sample throughput

These products have been meticulously crafted to provide results with unparalleled precision, accuracy, and reproducibility.

Kjeldahl

Classical Disitillation Unit

Safe, simple, efficient distillation systems for labs



Technical Data & Ordering Information

Model Name	CKD015	CKD065
No. of positions	1	6
Flask Capacity	500 ml Kjeldahl Flask. Also compatible with 800 ml Kjeldahl Flask	
Energy mode	1-10	
Temperature regulators	1	6
Display	LED Display with time, safe temperature & process status	
Timer	1-999 Minutes	
Power consumption	150W	900W
Electrical regulation	0.65A	3.9A
HSN Code:	84198990	
Ordering Code	BLFACKD01500000000	BLFACKD06500000000

Accessories

Description	Ordering Code
Graham Condenser 200mm Jacket ACCS	BLA0BGW200KJDLGHM0
CLASSICAL KJELDHAL SPLASH HEAD-2429 ACCS	BLA0KSH24291926CKJ
CKD065 with Stand ASM (Entire assembly without glass parts)	BLAACKD06500000000
CKD015 with Stand ASM (Entire assembly without glass parts)	BLAHCKD01510000000

Note : All accessories are provided by default with the unit

Alcohol Distillation Unit with Chiller

- Smart way to analyse alcohol content in sample.
- Quick distillation saves time
- A chiller gives effective condensation and helps detect close to accurate alcohol content.



Technical Data & Ordering Information

Model Name	KDI040
Tube capacity (ml)	250 ml/ 400 ml
Steam addition	Automatic
Display	24 × 7 LCD
Cooling water flow rate sensor	Yes
Drip tray	Yes
Visual reagent level warning	Yes
Steam power	Adjustable
Steam output regulation	25-100%
Maximum distillation time (mins)	20 mins
Tube error detection	Yes
Door close sensor	Yes
Control button	Rotary push button
Dimensions (W × D × H)	(380 × 350 × 725) mm
Current consumption (A)	5.5 A
Power consumption (W)	1000W
Voltage	230- 50/ 60 Hz
HSN Code	84198990
Ordering Code	BLFAKDI04000000000

Technical Data & Ordering Info

Model Name	CHL010
Tank capacity	10 L
Tank size (L × W × D) mm	(325 × 265 × 200) mm
Cooling capacity	1000 W
Pump flow rate	12.5 LPM
Display	LED
Temperature stability	± 1.0°C
Temperature range	-10 to ambient
HSN Code	84198990
Ordering Information	BLFRCHL01000000000