

New Equipment Report

Hotplate Magnetic Stirrers



Aluminium HOTPLATE

- 145 mm diam. ● 600 Watt
- Temperature range 50-325° C
- Speed-Range 50-1250 rpm

Economy

Model L-81
Capacity: 5 Ltr.

Standard

Model L-82
Capacity: 10 Ltr.

Large Capacity

Model L-83
Capacity: 20 Ltr.

Magnetic Stirrers

- Stainless Steel TOPPLATE
- 155 mm diameter
- Speed-Range 50-1250 rpm

Economy Model L-71
Stirring capacity: 5 Ltr.

Large Capacity Model L-73
Stirring capacity: 20 Ltr.

- **Housing:** two-pieces housing, composed of a pressure moulded metal (aluminium) tophousing and a thermovacuum formed plastic (ABS) bottom
- **Coating:** electrostatically applied powder coating; to be excellent corrosion resistant and strong
- **M-10 threaded support rod connection** is available for thermometer support

20
Ltr.
Stirring Capacity

Standard/Large Hotplate Stirrers

- **Stainless Steel Reflectors:** withstand heat transfer from the hotplates to the housing
- **Bi-metallic, over-heating protection:** Operates undependant: shuts off heating at 350° C
- **Hotplace Temperature:** regulated (50-325° C) Through thermocouple, directly on the hotplace
- **"HOT" plate indication:** red indication-led Shows the hotplate-temperature rised above 50° C
- **Thermometer connection:** DIN 5-pins 270°

Economy Hotplate Stirrers

- **Stirring Motors:** are of the AC-Motors type
- **Temperature regulated** with bulbthermostat
- **Air circulation:** provided through the housing

"LARGE CAPACITY" MODELS

- **Stirring motors:** are of the EC-motor type which are brushless electronical DC-motors
- **Closed Housing:** withstands inside circulation of hazardous gasses/air (protects electronics)
- **Large Stirring Capacity:** up to 20 Ltr.

Electronic Contact-Thermometer

Model LD-80

For use with Models L-82 and L-83 HOTPLATE STIRRERS
Including Pt-1000-probe (Ø3 mm L = 225 mm) and factory calibration certificate. Output open collector.
DIN connector 5 pin 270°. Range -50 - + 300° C
Ordering: cat.no. 80.000 (with stainless steel probe)
cat.no. 80.100 (with glass probe)

Support Rod

Model L-809

Complete set for thermometer support, including rod, clamb and extention for use with beakers larger then 5 ltr.
Ordering: cat.no. 80.900

For: Details, ordering, specifications, catalog numbers: see opposite page



LABINCO
LABORATORY INSTRUMENTS

LABINCO B.V.

P.O. BOX 3259 - 4800 DG BREDA THE NETHERLANDS
ZINKSTRAAT 64 - 4823 AC BREDA THE NETHERLANDS
Tel. 0031(0)76 5417582 fax. 0031(0)76 5420173
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Hotplate Magnetic Stirrers (ordering)



Model	Model L-81	Model L-82	Model L-83
Cat. number	81000	82000	83000
Description	Economy Hotplate Stirrer	Standard Hotplate Stirrer	Large Hotplate Stirrer
Stirring capacity	5 ltr.	10 ltr.	20 ltr.
Motor rating in/out	22/2,2 W	22,2/2 W	13/5 W
Speed range	50-1250 rpm		
Heating surface	145 mm diam.		
Heating power	600 watt		
Hotplate material	ALSI 12		
Temperature-range	50-325° C		
Setting accuracy	+/- 15	+/- 3° C	
Electronic thermometer	N/A	LD-80	
Accuracy with sensor	N/A	+/- 0,5° K	
Fixed safety (undep.)	N/A	350° C	
"Hot" indication LED	N/A	50° C	
Weight	2,8 Kg		
Dimensions (wxdxh)	172 x 286 x 125 mm		
Permissible ambient	5 - 40° C		
Permissible humidity	80%		
Protection class	IP 42		
Voltage/Frequency	220V/50 Hz		

Magnetic Stirrers

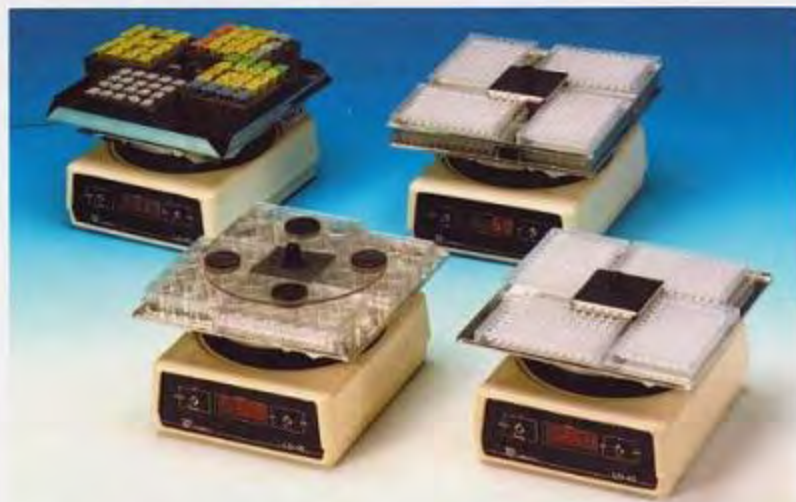
Model	Model L-71	Model L-73
Cat. number	71000	73000
Description	Economy Magnetic Stirrer	Large Capacity Magnetic Stirrer
Stirring surface	155 mm diam. Stainless Steel	
Stirring capacity	5 ltr.	20 ltr.
Motor rating	22/2,2 W	13/5 W
Speed range	100-1250 rpm	
Weight	2,2 Kg	
Dimensions (wxdxh)	172 x 286 x 80 mm	
Permissible ambient	5 - 50° C	
Permissible humidity	90%	
Protection class	IP 42	
Voltage/Frequency	220V/50 Hz	



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MICRO-TITRE-PLATE SHAKERS

MODEL LD-450

Complete with holder for the adaption of four micro-plates

DIMENSIONS: L x D x H Weight
240 x 250 x 150 mm 4,5 Kg

ORDERING: 230V50/60 Hz 45000
LD-450: 115V50/60 Hz 45010



MODEL LD-452

Complete with holder for the adaption of eight micro-plates

DIMENSIONS: L x D x H Weight
240 x 250 x 175 mm 4,7 Kg

ORDERING 230V50/60 Hz 45200
LD-452: 115V50/60 Hz 45210



POLYTHENE TRAYS (5/pkg)

(To be ordered additional)

CAT. NO.	TUBE DIAM	VOLUME
45420	9-12 mm	1,5 ml
45421	6 - 9 mm	0,5 ml
45422	4 - 6 mm	0,4 ml



MICRO-PLATE SHAKERS

PROVIDE:

- ROTARY SHAKING-ACTION
 - * 50-1250 RPM
 - * 4 MM AMPLITUDE
- GENTLE SHAKING-ACTION FOR CULTURE-AND CELL-WELLS
- STRONG SHAKING-ACTION FOR EPPENDORFTUBES AND MICRO-TITRE-PLATES
- COUNTER-BALANCED SHAKING FOR MOST STABLE ACTION EVEN AT HIGHEST SPEED/LOADING
- MICRO-PROCESSED CONTROLLED WITH DIGITAL INDICATION OF "SET/ACTUAL" SPEED
- DIRECT-DRIVE DC-MOTOR PROVIDES HIGH TORQUE FOR EXCELLENT START CAPACITY AND ENERGY EFFICIENCY



CELL-WELL-SHAKER MODEL LD-453

Complete with holder for easy adaption of four covered multi-well-plates

DIMENSIONS: L x D x H Weight
240 x 250 x 175 mm 4,7 Kg

ORDERING 230V50/60 Hz 45300
LD-453: 115V50/60 Hz 45310

REACTION-VIAL SHAKER MODEL LD-454

Complete with holder and four trays for shaking 4x20 eppendorftubes (1,5 ml)

DIMENSIONS: L x D x H Weight
240 x 250 x 175 mm 4,7 Kg

ORDERING 230V50/60 Hz 45400
LD-454: 115V50/60 Hz 45410

REPRESENTED BY:

LABINCO



VIBRO SHAKERS

PROVIDE:

- ROTARY SHAKING-ACTION
 - * 50-999 RPM
 - * 4 MM AMPLITUDE
- GENTLE SHAKING-ACTION FOR CULTURE AND STAINING
- STRONG SHAKING-ACTION FOR EXTRACTION
- COUNTERBALANCED SHAKING FOR MOST STABLE ACTION, EVEN AT HIGHEST SPEED/LOADING
- MICRO-PROCESSOR CONTROLLED WITH DIGITAL INDICATION OF "SET/ACTUAL" SPEED
- DIRECT-DRIVE DC-MOTOR PROVIDES HIGH TORQUE FOR EXCELLENT START CAPACITY AND ENERGY EFFICIENCY

- Analog controlled shakers are also available,
- Accessory attachments are quick interchangeable and can be ordered separately
- For ordering: see numbers at specific description.

FLASK-SHAKER

MODEL LD-421 (See above)

Complete with attachment for 4 flasks up to 500 ml each

DIMENSIONS: L x D x H Weight
420 x 250 x 140 mm 5,9 Kg.

ORDERING: DIGITAL: LD-42100
220V50Hz ANALOG: L-42110



GENERAL SHAKER

MODEL LD-427 (See above)

With platform 20 x 40 mm, complete with rubber non-slip layer

DIMENSIONS: L x D x H Weight
420 x 250 x 140 mm 5,9 Kg.

ORDERING: DIGITAL: 42700
220V50 Hz ANALOG: 42710



ERLENMEYER-SHAKER

MODEL: LD-421 (See besides)

Complete with attachment for erlenmeyers up to 500 ml

DIMENSIONS: L x D x H Weight
230 x 250 x 225 mm 5,6 Kg.

ORDERING: DIGITAL: LD-42300
220V50Hz ANALOG: L-42310

INTERCHANGEABLE ATTACHEMENTS

- For test-tubes no. 40020
- For round bottom flasks no. 40021
- For erlenmeyer flasks no. 40023
- General platform no. 40027

TEST-TUBE SHAKER

MODEL LD-420

(See besides)

Complete with attachment for 4 ethene holders for test-tubes (holders are not included)

DIMENSIONS L x D x H Weight
240 x 250 x 175 mm 4,5 Kg.

ORDERING: DIGITAL: LD-42000
220V50 Hz ANALOG: L-42010



TRAYS for TEST-TUBES (Ethylene)

CAT. no.	No. tubes	Diam mm	CAT. no.	No. tubes	Diam mm
42008	4x32	7-9	42018	4x15	17-19
42010	4x32	9-11	42020	4x15	19-21
42012	4x32	11-13	42024	4x8	21-26
42014	4x24	13-15	42028	4x8	26-30
42016	4x24	15-17	42032	4x8	30-34

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Labinco, new equipment report



POWER-MIX MODEL L46

- **Strong vibrating Action**, for test tubes 7 mm diam. up to 35 mm.
- Both, "Press-to-Mix" action and "continuous" action are provided.
- Stepless speedcontrol, up to maximum speed 2500 r.p.m.
- Strong and steady unit.
- Lined out for accessory adaption as described below.
- Supplied with line-cord and standard cup.
- Voltage requirements 220 Volts 50/60 Hz. 225 Volts 50/60 Hz.
- Powerconsumption 40 Watts
- Dimensions: 135x120x135 mm. (LxDxH)
- Weight: 3,2 KG.

ORDERING: CAT.NO. 46000 (220V50/60Hz)
46010 (115V50/60Hz)

A COMPLETE MIXER-LINE FROM ONE BASIC UNIT



MULTI-POSITION-MAGNETIC-STIRRING-SYSTEMS



- * WITH or WITHOUT HEATING
- * 4-/6-POSITION, BENCH- and SQUARE MODELS
- * MICRO-PROCESSOR CONTROLLED
- * ALL POSITIONS INDIVIDUAL CONTROLLED
- * HOTPLATE MAGNETIC STIRRERS
- * SPEED: 50-1200 R.P.M. ENERGY: 10-300 Watt
- * HOTPLATES: 120 MM DIAM STAINLESS STEEL

FRONTPANEL AND FUNCTIONS:

- A** MAINS ON/OFF SWITCH
- B** POSITION SELECTOR SWITCH
- C** ENERGY CONTROL 10-300 WATT/POSITION
- D** SPEED CONTROL 10-1200 RPM/POSITION
- E** START/STOP SWITCH
POSITION/RUN INDICATOR

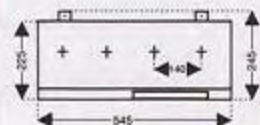
ORDERING AND SPECIFICATIONS

	MODEL	CAT.NO	CONFIGURATION	DIMENSIONS	WEIGHT
WITHOUT HEATING	LD-714	71400	4-POS-BENCH	545 X 245 X 110	7.2 KG
	LD-716	71600	6-POS-BENCH	830 X 245 X 110	10.0 KG
	LD-744	74400	4-POS-SQUARE	335 X 400 X 110	7.0 KG
	LD-746	74600	6-POS-SQUARE	500 X 400 X 110	9.8 KG
WITH HEATING	LD-814	81400	4-POS-BENCH	545 X 245 X 155	9.2 KG
	LD-816	81600	6-POS-BENCH	830 X 245 X 155	13.2 KG
	LD-844	84400	4-POS-SQUARE	335 X 400 X 155	9.4 KG
	LD-846	84600	6-POS-SQUARE	500 X 400 X 155	13.0 KG

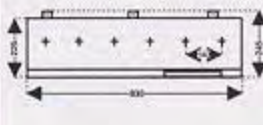


BENCH-MODELS

4-POSITION BENCH-MODELS

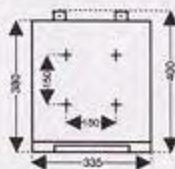


6-POSITION BENCH-MODELS

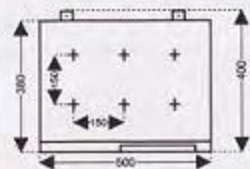


SQUARE-MODELS

4-POSITION SQUARE-MODELS



6-POSITION SQUARE-MODELS



REPRESENTED BY:

TEST - TUBE - ROTATORS



VARIABLE-SPEED MODEL - L29

50/60Hz CAT.NO.: 29000 (230V) / 29010 (115V)

- Same as L-28 BUT VARIABLE SPEED 5 TO 50 R.P.M.
- Dimensions: 210(l) x 200(d) x 270 (h)
- Weight: 3,6 Kg. (without disk)



ROTATING DISKS

catalog number	number clamps	tube Ø range
28012	20	8-12
28020	20	11-15
28030	20	14-18
28040	10	32-38
28050	15	22-26
28060	40	4-6
28070	18	18-22
28080	12	26-32
28090	adapter for dual disk support	



MODEL - L28

50/60Hz CAT.NO.: 28000 (230V) / 28010 (115V)

- For mixing, diffusion, dialysing, extraction etc.
- SPEED 10 r.p.m. With strong, geared motor.
- Angle of rotation can be set between 90° and 27°
- Tubes may be exchanged while rotator is running
- Comes with line-cord, but without disks.
- Dimensions: 210(l) x 200(d) x 220 (h), Weight: 2,6 kg.



ROCK 'N ROLLER MODEL - L201

50/60Hz CAT.NO.: 20100 (230V) / 20110 (115V)

- Keeps samples in gentral motion by rocking while rolling.
- 14 stainless steel rotating bars, 208 x 10 mm diam.
- with a heart to heart distance of 19.5 mm
- Speed of rotation is approx. 10 r.p.m.
- Rocking frequency is approx. 5 cycles / min. at 35° movement.
- Front panel mounted, illuminated on-off switch.
- Dimensions: 330(l) x 300(d) x 190 (h).
- Weight: 3,0 kg.

REPRESENTED BY:

ROTARY-MIXER

MODEL - L26 50/60Hz CAT.NO.: 26000 (230V) / 26010 (115V)

- Provides serial rotation of test-tubes
- With diameter-range: 8 to 27 mm
- All aluminium and stainless-steel construction
- Speed: stepless controllable: 5 to 50 r.p.m.
- Quick coupling / exchange of rotating drum / bar
- Provided with stainless-steel drip-tray.
- Delivered with bar for 20 tubes (14-18 mm)
- Dimensions: 540x160x185 mm Weight: 7,5 Kg.



ACCESSORIES FOR ROTARY-MIXERS

Bar/Drum outfit	tube Ø range mm	cat.no. for L26 and L27	max.tube length mm		max no. tubes
			L-26	L-27	
	14-18	26020	190	290	20
	18-22	26022	185	290	18
	22-26	26027	180	290	18
	8-12	26040	85	135	104
	 If 4 rows used	11-15	26480	120	180
If 2 rows used			140	250	24
 If 2 rows used	8-12	26560	120	180	56
	If 2 rows used		140	250	28

SPECIAL / LARGE ACCESSORIES

	<p>CATALOG NO: 27304 BOTTLE ROLLING ACCESSORY For rolling two or four bottles of max length 300 mm Diameter range 25 to 120 mm</p>
	<p>CATALOG NO: 27312 HYBRIDISATION ACCESSORY For rolling maximum 12 hybridisation-bottles Diam: 35 mm Length 300 mm</p>
	<p>CATALOG NO: 27400 BOTTLE ACCESSORY FOR TOP-OVER-BOTTOM-TURNING of bottles. Diam. range: 25-125 mm Length range: 60-170 mm.</p>
	<p>CATALOG NO: 27580 EXTRACTION ACCESSORY For measuring flasks. Max. 18 flasks 50ml.</p>

LARGE - ROTARY - MIXER

MODEL-L27 50/60Hz CAT.NO.: 27000 (230V) / 27010 (115V)

- Same as MODEL L26 but 50 mm higher
- Provides rotation action for up to 310 mm diameter accessories



**ORDER BASIC MODEL L46 TOGETHER WITH
ADDITIONAL ACCESSORIES BELOW**

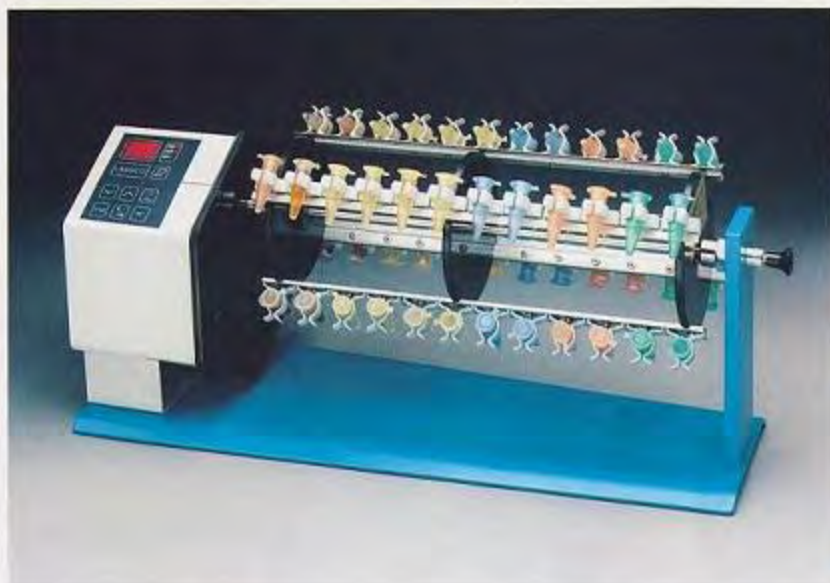


(A) (B) (b1) (C) (D) (E)

A COMPLETE MIXER-LINE FROM ONE BASIC UNIT

A	MICRO-TITRE-PLATE-HOLDER	easy adaptable holder for one 96-well micro-titre-plate shaking with Model L 46
	Ordering number	46.100
B	MINI-REACTION-TUBE-HOLDER	easy adaptable holder for 20 mini-reaction-tubes; including polythene-foam holder
	Ordering number	46.200
	b1	Spare polythene-foam-holder for 20 mini-reaction-tubes
	Ordering number	46.250
C	One-position TEST-TUBE-HOLDER	easy adaptable holder for a single test-tube (max. 20x200 mm) Including aluminium rod(M10)
	Ordering number	46.300
D	Multi-position TEST-TUBE-HOLDER	easy adaptable holder for up to 7 test-tubes (18x115 mm) (max) Changing while mixing is possible
	Ordering number	46.400
E	Universal CONTACT-PLATE	easy adaptable universal contact-plate for touching and mixing up to 6 tubes at once
	Ordering number	46.500

REPRESENTED BY:



MODEL LD-76

ROTARY MIXER

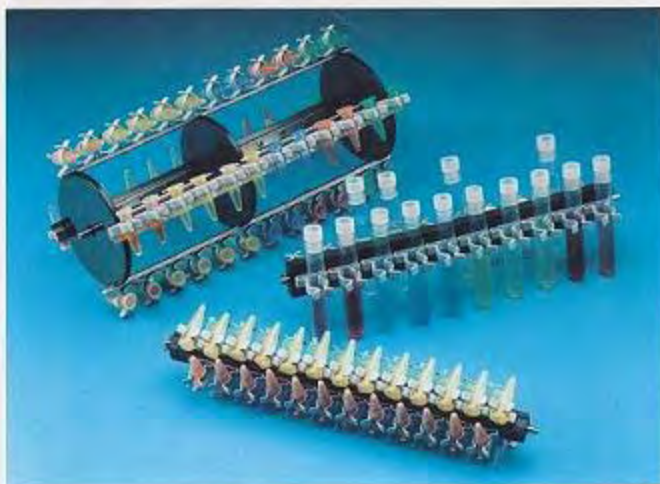
- Provides serial rotation of tubes and mini-tubes for extraction, diffusion, etc.
- Mixing action may be set by speed control 5-50 rpm.
- Tube-diameter-range 4-32 mm. Chosen from listing below.
- Quick/easy coupling/exchange of rotation drums/bars.
- Tubes may be exchanged while the rotator is running.
- Dimensions: LxWxH 450x170x190 mm.
- Weight: 3,3 Kg.

50/60 HZ CAT.NO. 76000 (230V) / 76010 (115V)





ELECTRONICALLY CONTROLLED STEPPER-MOTOR PROVIDES:

- Digital read-out for - speed 5-50 rpm.
- time 0-99 hrs/1-59 min.
- Electronic timer for "auto-stop".
- "Memory-function" for repeated operation.
- "Re-start-function" for continued operation after line-voltage failure including auto-stop.
- "Settings saving" available.

-  ON/OFF MAINS
-  START/STOP MOTOR
-  "MODE" SWITCH
-  "UP/DOWN"
-  "TIMER/CYCLING"



ACCESSOIRES FOR ROTARY-MIXERS

Bar/Drum outfit	tube \varnothing range mm	cat.no. for L26/LD-76	max.tube length mm	max no. tubes
	16-20	26020	190	20
	19-22	26022	185	18
	22-27	26027	180	18
	4-6	26036	85	104
	6-9	26039	85	104
	9-12	26040	85	104
	12-16	26480	120	48
	if 2 rows used		140	24
	9-12	26560	120	56
	if 2 rows used		140	28



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MULTI-POSITION-MAGNETIC-STIRRING-SYSTEMS



BENCH-MODELS

4-POSITION BENCH-MODELS

WITHOUT HEATING LD-714	WITH HEATING LD-814
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6-POSITION BENCH-MODELS

WITHOUT HEATING LD-716	WITH HEATING LD-816
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SQUARE-MODELS

4-POSITION SQUARE-MODELS

WITHOUT HEATING LD-744	WITH HEATING LD-844
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6-POSITION SQUARE-MODELS

WITHOUT HEATING LD-746	WITH HEATING LD-846
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Peristaltic Pumps



Available as:

Single Speed (10rpm)
12-channel pumps

Analog (5 to 100 rpm)
Variable Speed Pumps



SINGLE/DUAL-CHANNEL PUMPS

Accept 1 or 2 single-channel pumpheads providing:
-Maximum flow 4 ML/Revolution
-Easy loading tube-changing system
-Bayonet-action for pumphead-mounting
-Pumptubings available in several materials (tygon, silicone, viton and others) with I.D. 0,5 to 8,0 mm

Pumps available as:

- Analog variable speed single-channel pump
- Analog variable speed dual-channel pump



MULTI-CHANNEL PUMPS

Accept multi-channel-pumps with a unique 6 roller pumphead, providing:
Long tubing-life--Low pulsation--Accurate dosing

Pumptubing available in several materials (tygon silicone, viton and others) with I.D.0,13 to 3,9 mm.

Pumps available as:

- Table model 12-channel single speed pump
- OEM model 12-channel single speed pump
- Analog variable speed 12-channel pump

Special Products



Labinco has a large range of laboratory equipment.

In some cases you might need a custom made product.

For equipment that meets your special requirements,
please contact us for information about our custom products.