Laboratory Flask Mixer

MADE

LM100/110/200/210 Series

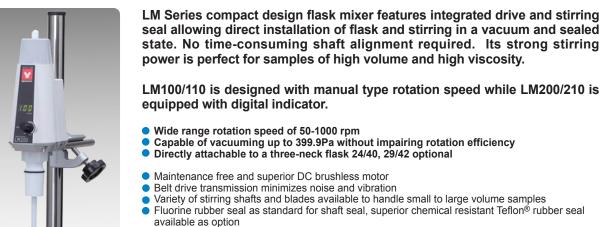
Max. Speed Range

50 ~1000rpm

Max. Torque

0.1N•m





Equipped with 24/40 rotary joint, 29/42 optional Capable of AC100-240 by changing power cord

Specifications

available as option



Model	LM100	LM110	LM200	LM210		
Operating temp. range	5°C~35°C					
Operating speed range *1	50~1000rpm					
Max. torque	0.1N•m					
Max. ultimate vacuum	≤399.9Pa					
Exterior	PBT /ADC12 (Surface treatment: Baking finish)					
Motor	DC brushless motor 30 W					
Power switch	Speed control dial with switch (stepless adjustment)					
Rotation speed indication	None		3 digits ×10 rpm (Digital display)			
Operation indicator lamp	LED (Green)		None (Confirm operation with speed indicator)			
Adaptable flask size	50~5000ml					
Joint size	TS24/40					
Chuck	ø8mm (ø7.9~7.95)					
Sealing material	PTFE (rotary joint) / FKM (oil seal,o ring)					
Safety device	Overload protection function*2, coupling cover (hair entanglement prevention structure), slow start function					
External dimensions	W69 × D108 × H222 mm					
Power source	Single phase AC100V~AC120V 50/60Hz 1A	Single phase AC200V~AC220V 50/60Hz 1A	Single phase AC100V~AC120V 50/60Hz 1A	Single phase AC200V~AC220V 50/60Hz 1A		
Power cord	A type 3P (AC115V 50/60Hz)	O type 3P (AC220V 50/60Hz)	A type 3P (AC115V 50/60Hz)	O type 3P (AC220V 50/60Hz)		
Weight	700 g (main body only)					
Included accessories	Hexagon socket head cap screw & wrench, AC adapter, 3m power cord, Coupling cover, handle(arbor), flask clip					
Operational accessories*3	Stirring shaft (PTFE, stainless steel, glass), propellers (different types and sizes), stand					

At the flask joint, FKM o-ring is used as standard, superior chemical resistant Kalrez® o-ring

- *1 Max. revolutions differ depending on the combination of oil seal + stirring shaft 50~1000rpm: FKM oil seal + PTFE stirring shaft / PTFE oil seal + glass or SUS stirring shaft 50~300rpm: FKM oil seal + glass or SUS stirring shaft / PTFE oil seal + PTFE stirring shaft
- *2 When load exceeding maximum torque is applied, current limit circuit automatically controls the current to protect the motor
- *3 Sold separately

■ LM Set Guide

LM-100A	LM-100 SET MAIN BODY, STAND, PTFE STIRRING BAR W/ PROPELLER L450mm×φ50mm,
	BURETTE CLAMP φ9.5~φ29mm and Double Opening Clamp 3~55mm.
LM-110A	LM-110 SET MAIN BODY, STAND, PTFE STIRRING BAR W/ PROPELLER L450mm×φ50mm,
	BURETTE CLAMP φ9.5~φ29mm and Double Opening Clamp 3~55mm
LM-200A	LM-200 SET MAIN BODY, STAND, PTFE STIRRING BAR W/ PROPELLER L450mm×φ50mm,
	BURETTE CLAMP φ9.5~φ29mm and Double Opening Clamp 3~55mm
LM-210A	LM-210 SET MAIN BODY, STAND, PTFE STIRRING BAR W/ PROPELLER L450mm×φ50mm,
	BURETTE CLAMP φ9.5~φ29mm and Double Opening Clamp 3~55mm

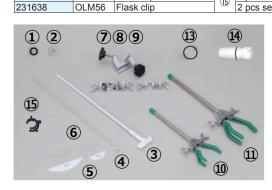
LM200 with BM100 Water Bath





Accessories

Product code	Model	Product name		Specification	
231640	OLM60	FKM oil seal		FKM Black, 2pcs/set (standard)	
231641	OLM62	PTFE oil seal	2	Teflon®, 2pcs/set	
231615	OLM10			L350×ø30mm, 100 ~ 300mL	
231616	OLM12		3	L450×ø30mm, 100 ~ 500mL	
231617	OLM14	DTEE stiming a short with		L450×ø50mm, 200 ~ 1000mL	
231618	OLM16	PTFE stirring shaft with blade		L450×ø80mm, 300 ~ 1000mL	
231619	OLM18	biade		L600×ø80mm, 1000 ~ 1500mL	
231620	OLM20			L600×ø100mm, 1000 ~ 5000mL	
231621	OLM22			L600×ø120mm, 3000 ~ 5000mL	
231622	OLM24			L350mm	
231623	OLM26	Glass stirring shaft		L400mm	
231624	OLM28			L530mm	
231625	OLM30			ø40×16×t3mm	
231626	OLM32		5	ø50×17×t3mm, 100 ~ 500mL	
231627	OLM34	PTFE half-moon blade		ø60×17×t4mm, 500 ~ 5000mL	
231628	OLM36			ø100×17×t4mm, 1000 ~ 5000mL	
231629	OLM38			ø125×30×t5mm, separable flask	
231630	OLM40	Glass half-moon blade	6	ø50×17×t3.3mm, 100 ~ 5000mL	
231631	OLM42	Glass Hall-Hlooff blade		ø80×17×t3.8mm, 500 ~ 5000mL	
231632	OLM44	Burette clamp (muff)	7	ø5 ~ ø13mm	
231633	OLM46	Burette clamp (muff)	8	ø6 ~ ø17mm	
231634	OLM48	Burette clamp (muff)	9	ø9.5 ~ ø29mm	
231635	OLM50	Double opening clamp	10	Range 3~55 mm, ø10mm, 50mL~3000mL	
231636	OLM52	Double opening clamp	11)	Range 3~80 mm, ø12mm, 50mL~5000mL	
231086		Y stand	12	H725×ø25, Leg W400 (Internal 310mm) × 420mm	
231642	OLM64	FFKM o ring	13	Kalrez® 29/42	
231643	OLM66	FFRIVIOTING		Kalrez® 24/40	
LT00038897		FKM o ring		29/42	
LT00038898		FKIVI O IIIIG		24/40 (standard)	
231639	OLM58	24/40 rotary joint seal set	(14)	Set of oil seal, o ring etc.	
231644	OLM68	29/42 rotary joint seal set	(I#)	Set of oil seal, o ring etc.	
231637	OLM54	Flask clip	(15)	2 pcs set for 29/42	
231638	OLM56	Flask clip	(i)	2 pcs set for 24/40	





O ring and Oil seal Comparison Table of Chemical Resistance

Chemical	FKM O ring + FKM oil seal (Standard)	PTFE oil
Acetone	D	Α
Acetone 60°C	D	Α
Hydrochloric acid (10%)	Α	Α
Hydrochloric acid (10%) 70°C	Α	Α
Hydrochloric acid (20%)	Α	Α
Hydrochloric acid (20%) 80°C	Α	Α
Hydrochloric acid (36%)	Α	Α
Hydrochloric acid (36%) 70°C	Α	Α
Xylene	Α	Α
Chloroform	В	Α
Acetic acid (10%)	D	Α
Acetic acid (100%)	D	Α
Acetic acid (25%)	D	Α
Acetic acid (50%)	D	Α
Acetic acid (50%) 70°C	D	Α
Acetic acid (anhydrous)	D	Α
Tetrahydrofuran	D	Α
Toluene	С	Α
Pyridine	D	Α
Hexane	Α	Α
Benzene	С	Α
Benzene 70°C	С	Α

A: Good B: Usable based on a condition C/D: Unusable

