



# Variable Speed Peristaltic Pump LVSP-D1

(Four Channel)

## VARIABLE SPEED PERISTALTIC PUMP LVSP-D1

Variable Speed Peristaltic Pump LVSP-D1 series are four channeled precise dispensing peristaltic pumps to meet laboratory liquid handling needs. Equipped with varied flow range and speed accuracy it allows reversible operation to pump in both directions. Provides high levels of volumetric accuracy without contaminating the fluid during the operation. Interchangeable pump heads help in delivering smooth and low pulse flows.

### Features

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- Digital speed indication
- Autosave's running parameters on power or system failure
- Reversible operation allowing pumping in both directions
- Easy liquid auto dispensation by time or volume
- Multi channels with interchangeable pump heads for varied applications
- Dust and moisture proof circuit board
- Adjustable rotating speed
- Robust and protected with ABS plastic housing
- Low noise operation

# VARIABLE SPEED PERISTALTIC PUMP LVSP-D1

## Specifications

Model	LVSP-D10	LVSP-D11
Flow Range	0.0001l ~ 720 mL/min	0.0001l ~ 720 mL/min
Flow Accuracy	0.5 %.	0.5 %
Speed Range	0.1 ~ 150 rpm	0.1 ~ 100 rpm
No of channel	4	4
Ambient Temperature	0 ~ 40°C	0 ~ 40°C
Relative Humidity	< 80 %	< 80 %
IP grade	IP 31	IP 31
Power supply	AC 220 V ± 10 %, 50 Hz / 60 Hz	AC 220 V ± 10 %, 50 Hz / 60 Hz
Power Consumption	< 40 W	< 30 W
Dimensions ( L x W x H )	226 x 150 x 238 mm	260 x 181 x 198 mm
Weight	4.7 kg	4.5 kg

Model	LVSP-D12	LVSP-D13
Flow Range	0.006 ~1600 mL/min	3 ~ 3500 mL/min
Flow Accuracy	0.5 %.	3 %
Speed Range	0.1 ~ 350 rpm	30-350 rpm/min
No of channel	4	4
Ambient Temperature	0 ~ 40°C	0 ~ 40°C
Relative Humidity	< 80 %	< 80 %
IP grade	IP 31	IP 31
Power supply	AC 220 V ± 10 %, 50 Hz / 60 Hz	AC 220 V ± 10 %, 50 Hz / 60 Hz
Power Consumption	< 50 W	< 200 W
Dimensions ( L x W x H )	226 x 150 x 238 mm	286 x 180 x 230 mm
Weight	4.9 kg	6.2 kg

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Model	LVSP-D14
Flow Range	3 ~ 6000 mL/min
Flow Accuracy	3 %.
Speed Range	30 ~ 600 rpm
No of channel	2
Ambient Temperature	0 ~ 40°C
Relative Humidity	< 80 %
IP grade	IP 31
Power supply	AC 220 V $\pm$ 10 %, 50 Hz / 60 Hz
Power Consumption	< 60 W
Dimensions ( L x W x H )	286 x 180 x 230 mm
Weight	6.2 kg

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## Pump Heads and Tubing's

Model No	Suitable Pump Head	Channel	Tubing Size ( mm )	Flow rate (mL/min) per channel
LVSP-D10	AB1 (6 rollers)	1	Wall : 0.8 ~ 1	0.00016-26
	AB2 (10 rollers)	1	Wall : 0.8 ~ 1	0.00011-20
	AB3 (6 rollers)	2	Wall : 0.8 ~ 1	0.00016-26
	AB4 (10 rollers)	2	Wall : 0.8 ~ 1	0.00011-20
	AB5 (6 rollers)	4	Wall : 0.8 ~ 1	0.00016-26
	AB6 (10 rollers)	4	Wall : 0.8 ~ 1	0.00011-20
	AB7	1	Wall : 0.8 ~ 1	0.0002-82
	AB8	2	Wall : 0.8 ~ 1	0.0002-82
	AB9	4	Wall : 0.8 ~ 1	0.0002-82
	AB10	1	Wall : 0.8 ~ 1	0.006-420
	AB11	1	Wall : 0.8 ~ 1	0.17-420
	AB12	2	Wall : 0.8 ~ 1	0.006-420
	AB13	2	Wall : 0.8 ~ 1	0.17-420
	AB14	1	Wall : 0.8 ~ 1	0.006-570
	AB15	1	Wall : 0.8 ~ 1	0.17-720
	AB16	2	Wall : 0.8 ~ 1	0.006-570
	AB17	2	Wall : 0.8 ~ 1	0.006-720
	AB18	2	Wall : 0.8 ~ 1	0.05-400
LVSP-D11	AB1 (6 rollers)	1	Wall : 0.8 ~ 1	0.00016-26
	AB2 (10 rollers)	1	Wall : 0.8 ~ 1	0.00011-20
	AB3 (6 rollers)	2	Wall : 0.8 ~ 1	0.00016-26
	AB4 (10 rollers)	2	Wall : 0.8 ~ 1	0.00011-20
	AB5 (6 rollers)	4	Wall : 0.8 ~ 1	0.00016-26
	AB6 (10 rollers)	4	Wall : 0.8 ~ 1	0.00011-20
	AB7	1	Wall : 0.8 ~ 1	0.0002-82
	AB8	2	Wall : 0.8 ~ 1	0.0002-82
	AB9	1	Wall : 0.8 ~ 1	0.006-420

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	AB10	1	Wall : 0.8 ~ 1	0.16-420
	AB11	1	Wall : 0.8 ~ 1	0.006-570
	AB12	1	Wall : 0.8 ~ 1	0.006-720
LVSP-D12	AB1	1	Wall : 0.8 ~ 1	0.006-990
	AB2	1	Wall : 0.8 ~ 1	0.16-990
	AB3	2	Wall : 0.8 ~ 1	0.006-990
	AB4	2	Wall : 0.8 ~ 1	0.16-990
	AB5	2	Wall : 0.8 ~ 1	0.05-930
	AB6	4	Wall : 0.8 ~ 1	0.05-610
	AB7	1	Wall : 0.8 ~ 1	0.006-1300
	AB8	1	Wall : 0.8 ~ 1	0.16-1600
	AB9	2	Wall : 0.8 ~ 1	0.006-1300
LVSP-D13	AB2	1	Wall : 0.8 ~ 1	50-990
	AB3	2	Wall : 0.8 ~ 1	3-990
	AB4	2	Wall : 0.8 ~ 1	50-990
	AB5	4	Wall : 0.8 ~ 1	3-990
	AB6	4	Wall : 0.8 ~ 1	50-990
	AB7	1	Wall : 0.8 ~ 1	3-1300
	AB8	1	Wall : 0.8 ~ 1	50-1600
	AB9	2	Wall : 0.8 ~ 1	3-1300
	AB10	2	Wall : 0.8 ~ 1	50-1600
	AB11	4	Wall : 0.8 ~ 1	3-1300
	AB12	4	Wall : 0.8 ~ 1	50-1600
	AB13	2	Wall : 0.8 ~ 1	14-930
	AB14	4	Wall : 0.8 ~ 1	14-610
	AB15	1	Wall : 0.8 ~ 1	80-3500
	AB16	2	Wall : 0.8 ~ 1	80-3500

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LVSP-D14	AB1	1	Wall : 0.8 ~ 1	3-990
	AB2	1	Wall : 0.8 ~ 1	50-990
	AB3	2	Wall : 0.8 ~ 1	3-990
	AB4	2	Wall : 0.8 ~ 1	50-990
	AB5	4	Wall : 0.8 ~ 1	3-990
	AB6	4	Wall : 0.8 ~ 1	50-990
	AB7	1	Wall : 0.8 ~ 1	3-1300
	AB8	2	Wall : 0.8 ~ 1	50-1600
	AB9	2	Wall : 0.8 ~ 1	3-1300
	AB10	4	Wall : 0.8 ~ 1	50-1600
	AB11	1	Wall : 0.8 ~ 1	3-1300
	AB12	1	Wall : 0.8 ~ 1	50-1600
	AB13	2	Wall : 0.8 ~ 1	14-930
	AB14	2	Wall : 0.8 ~ 1	14-610
	AB15	4	Wall : 0.8 ~ 1	80-3500