

MASTERFLEX®

L/S®

Masterflex® L/S® Variable-Speed Console Drives



Compact, cost-effective for general fluid transfer applications

- Simple operation with single-turn speed control
- Flow rate from 0.42 to 2900 mL/min with L/S pump tubing—flow rate depends on drive rpm, pump head, and tubing size
- Separate power switch enables you to maintain speed setting when turning drive on/off; front-panel LED indicates power on
- Reversible motor lets you easily prime/purge tubing and pump in either direction
- Remote control of start/stop via DB9 connector on back of drive
- Drives accept nine different pump head types: Standard, Easy-Load®, Easy-Load II, Easy-Load 3, Multichannel, High-Performance, Cartridge, PTFE tubing, and PTFE diaphragm



Variable-speed console drive

Applications

- Heating/cooling liquid circulation
- Fluid metering and transfer
- Media dispensing and filling
- Drum and container sampling
- Low-pressure filtration
- Buffer circulation
- Pumping slurries and suspensions



Easy-Load
pump head



Easy-Load II
pump head

1-800-637-3739

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Drive 07555-00 shown with Easy-Load II pump head 77200-62

Flow Rates in mL/min (flow rates in parentheses can only be obtained with High-Performance pump head)

rpm	Precision pump tubing						High-Performance Precision pump tubing			
	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18	L/S 15	L/S 24	L/S 35	L/S 36
	Standard†, Easy-Load, Easy-Load II, Easy-Load 3						Multichannel‡, Standard, Easy-Load II, Easy-Load 3, High-Performance			
	Cartridge, Multichannel			Cartridge			Easy-Load			
20 to 600	1.2 to 36	4.2 to 130	16 to 480	34 to 1000	56 to 1700	76 to 2300	34 to 1000 (13 to 370)	56 to 1700 (21 to 600)	76 to 2300 (30 to 870)	96 to 2900 (41 to 1130)
7 to 200	0.42 to 12	1.4 to 43	5.6 to 160	12 to 330	20 to 570	27 to 770				

†The Standard pump head is not available for L/S 25. ‡Multichannel head is not available for L/S 36.

Specifications & Ordering Information



rpm	Speed control (resolution)	Pump heads accepted	Motor size	IP rating	Dimensions (L x W x H)	Power (50/60 Hz)		Catalog number
						VAC	Amps	
20 to 600	±5%	1	37 W (½ hp)	IP22	23 x 18.3 x 13.4 cm (9.1" x 7.2" x 5.3")	90 to 130	1.5	MK-07555-00†
						180 to 260	0.8	MK-07555-05†
7 to 200		2				90 to 130	1.5	MK-07555-10
						180 to 260	0.8	MK-07555-15

†Drives 07555-00 and -05 are not recommended for use with the PTFE-tubing and PTFE-diaphragm pump heads.

What's included: 1.8-m (6-ft) line cord with IEC 320/CEE22 socket. Shipped with country-specific cord/plug set; please specify ultimate destination when ordering.

Accessories

MK-77595-35 Foot switch, DB9 male, 1.8 m (6-ft) cable

MK-07528-80 Handheld remote controller; for control of start/stop, route tubing through handle for dispensing into containers

MK-17050-01 NIST-traceable calibration for peristaltic pump drive



07528-80

Complete Pump Systems

System	Flow range		What's included	Power	Catalog number	
	16 to 480 mL/min	Easy-Load® pump head 07514-10	C-Flex® ULTRA L/S 16 tubing 06434-16, 3 m (10 ft)	Console drive 07555-00, 20 to 600 rpm	115 VAC, 50/60 Hz	MK-77910-60
				Console drive 07555-05, 20 to 600 rpm	230 VAC, 50/60 Hz	MK-77910-65
	56 to 1700 mL/min	Easy-Load pump head 07514-12	C-Flex ULTRA L/S 24 tubing 06434-24, 3 m (10 ft)	Console drive 07555-00, 20 to 600 rpm	115 VAC, 50/60 Hz	MK-77910-70
				Console drive 07555-05, 20 to 600 rpm	230 VAC, 50/60 Hz	MK-77910-75
	16 to 480 mL/min	Easy-Load II pump head 77200-60	C-Flex ULTRA L/S 16 tubing 06434-16, 3 m (10 ft)	Console drive 07555-00, 20 to 600 rpm	115 VAC, 50/60 Hz	MK-77910-40
				Console drive 07555-05, 20 to 600 rpm	230 VAC, 50/60 Hz	MK-77910-45
	56 to 1700 mL/min	Easy-Load II pump head 77200-62	C-Flex ULTRA L/S 24 tubing 06434-24, 3 m (10 ft)	Console drive 07555-00, 20 to 600 rpm	115 VAC, 50/60 Hz	MK-77910-50
				Console drive 07555-05, 20 to 600 rpm	230 VAC, 50/60 Hz	MK-77910-55

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