



Masterflex® Pump Systems



Create Efficiency and Productivity

Durable • Customizable • Accurate

Create Efficiency and Productivity with Masterflex® Bundled Pump Systems

Bundles are OHS Drives w/PumpHead

Durable

- Trusted for over 45 years
- Broad chemical compatibility

Customizable

- Configurable systems
- Many tubing options
- Easy scale-up

Accurate

- Flow ranges from 0.0006 mL/min to 42 L/min
- Rigorous design and testing standards
- Tubing is custom manufactured to precise tolerances

Masterflex® L/S® Stainless-Steel IP65 Precision Pump System

Easy-to-use drives offer precise speed control and digital display of rpm—NEMA 4X housings stand up to process and washdown applications.

- Four digit LED display shows motor rpm—confirm speed setting at a glance
- Integrated open-head sensor stops drive motor when pump head is opened
- Reversible motor—purge tubing before or after pumping; pump fluid in either direction
- Open head sensor
- Electrical: 90-260VAC, 60/60Hz, 1 phase

These accurate console drives have powerful motors, speed display, and $\pm 0.25\%$ speed control for precise flow regulation—ideal for metering applications.

Operation of the integrated open-head sensor requires use of sensor-equipped L/S Easy-Load II pump heads 76047-522 or 76047-524.

Ordering Information: Multichannel pump heads don't fit on OHS drives. Tubing not included.



Description	Flow Rate	Includes	Tubing Size	Channels	rpm	Channels/ Rollers	Speed Turndown Ratio	Enclosure	Cat. No.
Masterflex® L/S® Stainless-steel IP65 Precision Pump System	0.36 to 2300 mL/min.	L/S® Easy Load II, Thin Wall (Pump Head)	Masterflex L/S® 13, 14, 16, 25, 17, 18	2, Max.	600, Max.	3 Rollers	100:1	IP65	76047-546
Masterflex® L/S® Stainless-steel IP65 Precision Pump System	10 to 2900 mL/min.	L/S® Easy Load II, Thick Wall (Pump Head)	Masterflex L/S® 15, 24, 35, 36	2, Max.	600, Max.	3 Rollers	100:1	IP65	76047-548
Masterflex® L/S® Stainless-steel IP65 Precision Pump System	0.06 to 380 mL/min.	L/S® Easy Load II, Thin Wall (Pump Head)	Masterflex L/S® 13, 14, 16, 25, 17, 18	2, Max.	100, Max.	3 Rollers	100:1	IP65	76047-550
Masterflex® L/S® Stainless-steel IP65 Precision Pump System	1.7 to 480 mL/min.	L/S® Easy Load II, Thick Wall (Pump Head)	Masterflex L/S® 15, 24, 35, 36	2, Max.	100, Max.	3 Rollers	100:1	IP65	76047-506

Masterflex® L/S® Digital Dispensing Systems with Easy Load II Pump Heads

Precision digital drive offers a maintenance-free high-accuracy motor and a graphical interface – makes setup and operation easier than ever.

- Available in an IP33 plastic enclosure or IP65 stainless steel enclosure
- Anti-drip function ensures dispensing accuracy
- Open head sensor
- Electrical: 90-260VAC, 60/60Hz, 1 phase

Graphical LCD shows four operating modes continuous run, timed dispense, copy dispense, volume dispense. View pump performance continually.

Dispense by Volume in mL (0.001 to 99999 mL), L, or gal.; Copy—1 to 9,999 dispense cycles; or Time—time interval of on/off cycles (1 sec to 99 hr, 59 min, 59 sec per cycle).

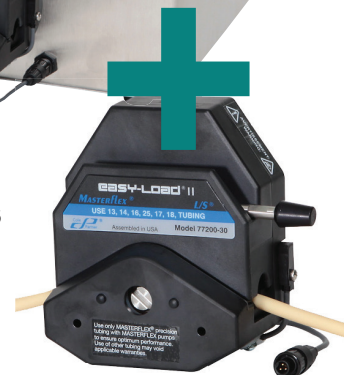
These precision drives offer analog remote control options and simple programming—ideal for automated process applications. Drives feature a programmable dispense interval that lets you set the delay between dispense cycles for convenient, automated dispensing. Programmed calibration ensures dispense and display accuracy—drive stores one calibration value per tubing size.

Program the drive via the simple membrane keypad; keypad lock/unlock feature protects settings. Motor is reversible so you can purge tubing before or after pumping and pump fluid in either direction.

Ordering Information: Multichannel pump heads don't fit on OHS drives. Tubing not included.



76047-496



76047-500

Description	Flow Rate	Includes	Tubing Size	Channels	rpm	Channels/ Rollers	Speed Turndown Ratio	Enclosure	Cat. No.
Masterflex® L/S® Console Digital Dispensing Pump System	0.006 to 2300 mL/min.	L/S® Easy Load II, Thin Wall (Pump Head)	Masterflex L/S® 13, 14, 16, 25, 17, 18	2, Max.	600, Max.	3 Rollers	6000:1	IP33	76047-500
Masterflex® L/S® Console Digital Dispensing Pump System	0.17 to 2900 mL/min.	L/S® Easy Load II, Thick Wall (Pump Head)	Masterflex L/S® 15, 24, 35, 36	2, Max.	600, Max.	3 Rollers	6000:1	IP33	76047-502
Masterflex® L/S® Console Digital Dispensing Pump System	0.001 to 380 mL/min.	L/S® Easy Load II, Thin Wall (Pump Head)	Masterflex L/S® 13, 14, 16, 25, 17, 18	4, Max.	100, Max.	3 Rollers	5000:1	IP33	76047-504
Masterflex® L/S® Console Digital Dispensing Pump System	0.033 to 480 mL/min.	L/S® Easy Load II, Thick Wall (Pump Head)	Masterflex L/S® 15, 24, 35, 36	4, Max.	100, Max.	3 Rollers	5000:1	IP33	76047-494
Masterflex® L/S® Stainless-steel IP65 Digital Dispensing Pump System	0.006 to 2300 mL/min.	L/S® Easy Load II, Thin Wall (Pump Head)	Masterflex L/S® 13, 14, 16, 25, 17, 18	2, Max.	600, Max.	3 Rollers	6000:1	IP65	76047-496
Masterflex® L/S® Stainless-steel IP65 Digital Dispensing Pump System	0.17 to 2900 mL/min.	L/S® Easy Load II, Thick Wall (Pump Head)	Masterflex L/S® 15, 24, 35, 36	2, Max.	600, Max.	3 Rollers	6000:1	IP65	76047-498

Masterflex® I/P® Stainless-steel IP65 Digital Dispensing Pump System

Graphical LCD shows four operating modes continuous run, timed dispense, copy dispense, volume dispense.

- View pump performance continually
- Anti-drip function ensures dispensing accuracy
- Open head sensor

Dispense by Volume in mL (0.001 to 99999 mL), L, or gal; Copy—1 to 9,999 dispense cycles; or Time—time interval of on/off cycles (1 sec to 99 hr, 59 min, 59 sec per cycle).

These precision drives offer analog remote control options and simple programming—ideal for automated process applications. Drives feature a programmable dispense interval that lets you set the delay between dispense cycles for convenient, automated dispensing. Programmed calibration ensures dispense and display accuracy—drive stores one calibration value per tubing size.

Program the drive via the simple membrane keypad; keypad lock/unlock feature protects settings. Motor is reversible so you can purge tubing before or after pumping and pump fluid in either direction.



Description	Flow Rate	Includes	Tubing Size	Channels	rpm	Channels/Rollers	Speed Turndown Ratio	Enclosure	Cat. No.
Masterflex® L/S® Stainless-steel IP65 Digital Dispensing Pump System	1 to 13,000 mL/min.	I/P® Easy Load Pump Head	Masterflex I/P® 26, 73, 82	2, Max.	650, Max.	3 Rollers	6500:1	IP65	76047-508

Masterflex® Tubing Options



Platinum-Cured Silicone Tubing

- Applications: pharmaceutical, biotech, peristaltic pumping, and food industries
- Smooth surfaces; lower protein binding levels
- Temperature range is -40 to 100°C
- Static temperature range is -50 to 230°C

BioPharm Silicone Tubing

- Applications: pharmaceutical, cosmetic, research, and auto-analysis industries
- Formulation: Tygon 3350 silicone, platinum cured
- Ultra-smooth tubing minimizes bacterial growth

Pharmed BPT Tubing

- Applications: cell and tissue culture work and pharmaceutical uses
- Resists acids, alkalis, oxidizing agents, and animal and vegetable oils
- Good for light-sensitive samples

C-Flex (50A) Tubing

- Applications: general-purpose laboratory, long life
- Opaque white finish
- Heat sealable and weldable

Tubing ID	Platinum-Cured Silicone Tubing	BioPharm Silicone	Pharmed BPT	C-Flex (50A)
L/S 13 mm	76049-296	76049-322	76049-348	76049-374
L/S 14 mm	76049-298	76049-324	76049-350	76049-376
L/S 16 mm	76049-302	76049-328	76049-354	76049-380
L/S 25 mm	76049-310	76049-336	76049-362	76049-388
L/S 17 mm	76049-304	76049-330	76049-356	76049-382
L/S 18 mm	76049-306	76049-332	76049-358	76049-384
L/S 15 mm	76049-300	76049-326	76049-352	76049-378
L/S 24 mm	76049-308	76049-334	76049-360	76049-386
L/S 35 mm	76049-316	76049-342	76049-368	76049-394
L/S 36 mm	76049-312	76049-338	76049-364	76049-390
I/P 26 mm	76049-314	76049-340	76049-366	76049-392
I/P 73 mm	76049-318	76049-344	76049-370	76049-396
I/P 82 mm	76049-320	76049-346	76049-372	76049-398



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