










## Masterflex® L/S® Drive Selection Guide

	Description	Flow rates (mL/min)	Fixed speed (rpm)	Variable speed (rpm)	Reversible	Remote control capabilities	Special features
Analog	<b>L/S Fixed-Speed Drives</b> 	Lowest: 0.06 Highest: 290	1, 2, 6, 12, 20, 30, 60	—	—	—	<ul style="list-style-type: none"> <li>✓ Consistent repeatable flow rates</li> <li>✓ Economical and compact</li> <li>✓ UL, cUL, and CE listed models</li> </ul>
	<b>L/S Compact Drive</b> 	Lowest: 2.1 Highest: 560	—	35 to 200	✓	Start/stop	<ul style="list-style-type: none"> <li>✓ Economical and compact</li> <li>✓ UL, cUL, and CE listed models</li> <li>✓ Drives are stackable</li> </ul>
	<b>L/S Compact Pumps</b> 	Lowest: 1.8 Highest: 220	—	35 to 200	✓	Start/stop	<ul style="list-style-type: none"> <li>✓ Economical and compact</li> <li>✓ Model with easy-loading Miniflex® pump head—single or dual channel</li> <li>✓ UL, cUL, and CE listed models</li> <li>✓ Drives are stackable</li> </ul>
	<b>L/S Economy Console Drives</b> 	Lowest: 0.42 Highest: 2900	—	7 to 200, 20 to 600	—	—	<ul style="list-style-type: none"> <li>✓ Economical variable flow</li> <li>✓ Simple speed control</li> <li>✓ UL, cUL, and CE listed models</li> <li>✓ Drives accept stacked pump heads for multiple channels</li> </ul>
	<b>L/S Economy Modular Drives</b> 	Lowest: 0.06 Highest: 3400	—	6 to 600, 1 to 100	✓	—	<ul style="list-style-type: none"> <li>✓ Economical variable flow</li> <li>✓ Simple speed control</li> <li>✓ Separate motor and controller for convenient placement</li> <li>✓ ETL and CE listed models</li> <li>✓ Drives accept stacked pump heads for multiple channels</li> <li>✓ Reversible motor</li> </ul>
Specialty	<b>L/S Air-Powered and Hazardous-Duty Drives</b> 	Lowest: 0.6 Highest: 3400	—	60 to 600	—	—	<ul style="list-style-type: none"> <li>✓ Use air-powered drives in locations where electricity is unsafe or impractical</li> <li>✓ Air drive is ATEX Zone 2 approved</li> <li>✓ Stack pump heads</li> </ul>

**Masterflex® L/S® Drive Selection Guide (continued)**

Description	Flow rates (mL/min)	Fixed speed (rpm)	Variable speed (rpm)	Reversible	Remote control capabilities	Special features
<b>L/S Precision Console Drives</b>						
	Lowest: 0.06 Highest: 3400	—	1 to 100, 3 to 300, 6 to 600	✓	Speed, start/stop, direction	<ul style="list-style-type: none"> <li>✓ Economical variable flow with simple speed control</li> <li>✓ ETL and CE listed models</li> <li>✓ Drives accept stacked pump heads for multiple channels</li> <li>✓ Drives are stackable</li> </ul>
<b>L/S Precision Modular Drives</b>						
	Lowest: 0.06 Highest: 3400	—	1 to 100, 6 to 600	✓	Speed, start/stop, direction	<ul style="list-style-type: none"> <li>✓ Separate motor and controller for convenient placement</li> <li>✓ Models available with NEMA 4X, IP66-rated wall-mount controller</li> <li>✓ Pump heads can be stacked</li> </ul>
<b>L/S Digital Miniflex® Pumps</b>						
	Lowest: 0.004 Highest: 315	—	0.1 to 300	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> <li>✓ Graphical LCD with icon-driven programming</li> <li>✓ Small footprint for efficient use of space</li> <li>✓ Calibration capability</li> <li>✓ Copy function for filling and dispensing</li> </ul>
<b>L/S Standard Digital Drives</b>						
	Lowest: 0.001 Highest: 3400	—	0.1 to 600, 0.02 to 100	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> <li>✓ Four-line graphical LCD with menu-driven programming</li> <li>✓ PWM speed control with 6000:1 turndown</li> <li>✓ Maintenance-free brushless motor</li> <li>✓ Tach feedback for ±0.1% speed control</li> <li>✓ Calibration capability—programmable for all L/S tubing sizes</li> </ul>
<b>L/S Computer-Compatible Digital Drives</b>						
	Lowest: 0.001 Highest: 3400	—	0.1 to 600, 0.02 to 100	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> <li>✓ Four-line graphical LCD with menu-driven programming</li> <li>✓ PWM speed control with 6000:1 turndown</li> <li>✓ Maintenance-free brushless motor</li> <li>✓ Tach feedback for ±0.1% speed control</li> <li>✓ Calibration capability—programmable for all L/S tubing sizes</li> <li>✓ Control brushless computerized drive with Windows®-compatible software</li> </ul>
<b>L/S Digital Modular Dispensing Drives</b>						
	Lowest: 0.001 Highest: 3400	—	0.1 to 600	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> <li>✓ Special antidrip feature for precise repetitive dispensing</li> <li>✓ Maintenance-free brushless motor</li> <li>✓ Tach feedback for ±0.1% speed control</li> <li>✓ Pump heads can be stacked</li> <li>✓ Washdown wall-mount controller</li> <li>✓ Calibration capability—programmable for all L/S tubing sizes</li> </ul>
<b>L/S Digital Process Drives</b>						
	Lowest: 0.006 Highest: 3400	—	0.1 to 600	✓	Speed, direction, start/stop, prime	<ul style="list-style-type: none"> <li>✓ Four-line graphical LCD with menu-driven programming</li> <li>✓ Washdown, IP66 and NEMA 4X rated</li> <li>✓ Maintenance-free brushless motor with PWM speed control</li> <li>✓ Dispensing features include delay interval and cumulative volume</li> <li>✓ Full remote control capability</li> </ul>

**Digital**