

Masterflex® L/S® Pump Head Selection Guide

Description	Flow rates	Number of rollers	Multichannel or stackable	Special features
L/S Standard Pump Heads				
	0.001 to 2900 mL/min	3	Yes, stack up to 4 heads	<ul style="list-style-type: none"> ✓ Highest precision, yet economical ✓ Accurate, repeatable fluid transfer ✓ Each head dedicated to one tubing size
L/S Easy-Load® II Pump Heads				
	0.001 to 2900 mL/min	4	Yes, stack up to 4 heads	<ul style="list-style-type: none"> ✓ Easy tubing changes ✓ Automatic retention ✓ Adjustable occlusion
L/S Easy-Load® 3 Pump Heads				
	0.001 to 2900 mL/min	3	Yes, stack up to 4 heads	<ul style="list-style-type: none"> ✓ Easy tubing changes ✓ Automatic retention ✓ Same side tubing entry/exit ✓ Install and stack without tools or hardware
L/S Easy-Load® Pump Heads				
	0.001 to 2300 mL/min	3	Yes, stack up to 4 heads	<ul style="list-style-type: none"> ✓ Load or change multiple tubing sizes quickly and easily ✓ Low maintenance ✓ Models available for ATEX Zone 2 applications
L/S High-Performance Pump Heads				
	0.006 to 3400 mL/min	3	No	<ul style="list-style-type: none"> ✓ Highest flow rate of any L/S pump head ✓ Up to 150 psi (10.3 bar) with L/S HP (High-Pressure) pump tubing ✓ Model available for ATEX Zone 2 applications
L/S PTFE-Tubing Pump Heads				
	0.001 to 65 mL/min	6	No	<ul style="list-style-type: none"> ✓ Uses rigid PTFE-tubing ✓ Pressures up to 100 psi (6.9 bar) ✓ Transfer aggressive solvents ✓ High purity
L/S Multichannel Pump Heads				
	0.00005 to 2300 mL/min (per channel)	3 or 6	Yes, stack up to 32 channels	<ul style="list-style-type: none"> ✓ Synchronous flow from up to 32 channels without cartridges ✓ Two-stop tubing sets are easy to load, with no adjustment needed
L/S Multichannel Cartridge Pump Heads				
	0.00001 to 1700 mL/min (per channel)	3, 4, 6, or 8	Yes, 1 to 12 channels	<ul style="list-style-type: none"> ✓ Synchronous flow rates ✓ Run up to 12 channels on a single pump head ✓ Easy tubing changes ✓ Holds tubing securely in place
L/S PTFE-Diaphragm Pump Heads				
	10.0 to 800 mL/min	—	No	<ul style="list-style-type: none"> ✓ PTFE and borosilicate glass are the only wetted parts ✓ Up to 100 psi (6.9 bar) ✓ Accurate metering ✓ Handles aggressive fluids