










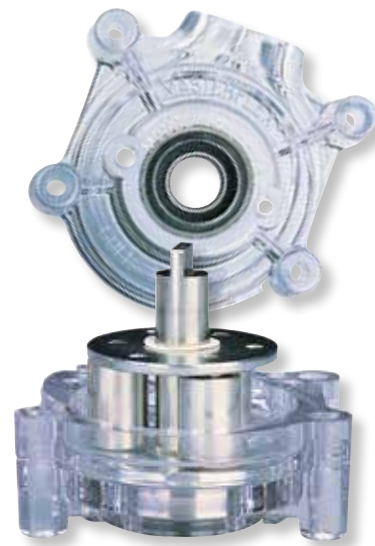
L/S® Pump Heads Selection Guide

Description	Flow rates (mL/min)	Multichannel or stackable	Special features	Page number
Standard				
	0.001 to 2900 mL/min	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 	594
Easy-Load® II				
	0.001 to 2900 mL/min	Yes, stack up to 4 heads	<ul style="list-style-type: none"> ✓ Easy tubing changes ✓ Automatic retention ✓ Adjustable occlusion 	595
Easy-Load® 3				
	0.001 to 2900 mL/min	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 	596
Easy-Load®				
	0.001 to 2300 mL/min	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 	596
High-Performance				
	0.006 to 3400 mL/min	No	<ul style="list-style-type: none"> ✓ Highest flow rate of any L/S pump head ✓ Up to 150 psi with L/S HP (High-Pressure) pump tubing ✓ ATEX Zone 2 applications model available 	597
PTFE-Tubing				
	0.001 to 65 mL/min	No	<ul style="list-style-type: none"> ✓ Uses rigid PTFE-tubing ✓ Pressures up to 100 psi ✓ Transfer aggressive solvents ✓ High purity 	598
Multichannel				
	0.00005 to 2300 mL/min (per channel)	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 	599
Multichannel Cartridge				
	0.00001 to 1700 mL/min (per channel)	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 	600-601
PTFE-Diaphragm				
	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 	602

L/S® Standard Pump Heads

Ideal for accurate and repeatable fluid transfer applications

- Available with PC housing with CRS or SS rotor, or PPS housing with SS rotor
- PC housing allows you to see pump in operation; PPS housing and SS rotors have excellent chemical resistance



FEATURES

- ✓ Best overall pump head performance
- ✓ Designed and optimized for one tubing size
- ✓ Stack up to four heads

A. Standard Pump Heads for Precision Tubing

- Flow rates: 0.001 to 2300 mL/min
- Perfect for common fluid transfer applications
- Select a pump head for one of the following precision tubing sizes: L/S 13, L/S 14, L/S 16, L/S 17, L/S 18

B. Standard Pump Heads for High-Performance Precision Tubing

- Flow rates: 0.033 to 2900 mL/min
- Accepts our high-performance precision tubing—choose these pump heads for better pressure generation, suction lift, viscous fluid transfer, and longer tubing life
- Select a pump head for one of the following high-performance tubing sizes: L/S 15, L/S 24, L/S 35, L/S 36



Pump tubing size	mL per rev	Flow rates in mL/min		Catalog number†		
		0.02 to 100 rpm	6 to 600 rpm	PC housing		PPS housing
				CRS rotor	SS rotor	SS rotor
A. Standard pump heads for precision pump tubing						
L/S 13	0.06	0.001 to 6	0.36 to 36	GH-07013-20	GH-07013-21	GH-07013-52
L/S 14	0.21	0.004 to 21	1.3 to 130	GH-07014-20	GH-07014-21	GH-07014-52
L/S 16	0.8	0.016 to 80	4.8 to 480	GH-07016-20	GH-07016-21	GH-07016-52
L/S 17	2.8	0.059 to 280	17 to 1700	GH-07017-20	GH-07017-21	GH-07017-52
L/S 18	3.8	0.077 to 380	23 to 2300	GH-07018-20	GH-07018-21	GH-07018-52
		Price				
B. Standard pump heads for high-performance precision pump tubing						
L/S 15	1.7	0.033 to 170	10 to 1000	GH-07015-20	GH-07015-21	GH-07015-52
L/S 24	2.8	0.057 to 280	17 to 1700	GH-07024-20	GH-07024-21	GH-07024-52
L/S 35	3.8	0.077 to 380	23 to 2300	GH-07035-20	GH-07035-21	—
		Price				
L/S 36	4.8	0.096 to 480	29 to 2900	GH-07036-30	GH-07036-31	—
		Price				

†PC = polycarbonate PPS = polyphenylene sulfide
CRS = cold-rolled steel SS = stainless steel

‡Maximum system pressure = L/S 13, L/S 14, L/S 15, L/S 16, L/S 24: 40 psi (2.7 bar); L/S 17, L/S 36: 20 psi (1.4 bar); L/S 18: 15 psi (1.0 bar); L/S 35: 35 psi (2.4 bar)

Mounting Hardware

Stack up to four L/S Standard pump heads on one drive (see drive specifications for recommended number of heads). Hardware is stainless steel.

Heads to be mounted	Catalog number	Price/st
Hardware for Standard Heads L/S 13 to 35		
One	GH-07013-04	
Two	GH-07013-05	
Three	GH-07013-08	
Four	GH-07013-09	
Hardware for Standard Heads L/S 36		
One	GH-07036-01	
Two	GH-07036-02	