

L/S® Multichannel Cartridge Pump Heads

Get synchronous flow rates

- Cartridges snap in and out for fast tubing changes—no need to remove pump head from the drive
- Load pump heads with 1 to 8 cartridges
- Mix large and small cartridges—one large cartridge occupies the same space as two small ones
- Cartridge heads are available with three or four rollers; the greater the number of rollers, the lower the pulsation in the flow
- Require drives with a minimum of 1/10 hp and a maximum of 600 rpm

FEATURES

- ✓ Load tubing in a snap
- ✓ Cartridges accept several tubing sizes for a wide flow range
- ✓ Load up to 8 small or 4 large cartridges in one head

A
L/S three-roller cartridge pump head 07519-05 shown with small cartridge 07519-80



A. 8-Channel, 3-Roller Pump Head 07519-05

- Flow rates: 0.050 to 1700 mL/min
- Number of cartridges: 1 to 8 small, 1 to 4 large
- Drive requirements: 1/10 hp min, 600 rpm max

B. 8-Channel, 4-Roller Pump Head 07519-06 (not shown)

- Flow rates: 0.047 to 1400 mL/min
- Number of cartridges: 1 to 8 small, 1 to 4 large
- Drive requirements: 1/10 hp min, 600 rpm max

What's included: mounting hardware and hex key tool.

Flow Rates per Channel (mL/min) with L/S® Precision Pump Tubing



Key letter	Pump head model no.	Number of rollers	Pump head gear ratio	Drive rpm	L/S® precision pump tubing (flow rate per channel)				
					L/S 13	L/S 14	L/S 16	L/S 25	L/S 17*
A	07519-05	3	1:1	6 to 600	0.30 to 30	1.3 to 130	4.6 to 460	10 to 1000	17 to 1700
				1 to 100	0.050 to 5	0.21 to 21	0.76 to 76	1.7 to 170	2.8 to 280
B	07519-06	4	1:1	6 to 600	0.28 to 28	1.2 to 120	3.8 to 380	8.3 to 830	14 to 1400
				1 to 100	0.047 to 4.7	0.20 to 20	0.63 to 63	1.4 to 140	2.3 to 230

*Only silicone and C-Flex® tubing formulations are recommended for L/S 17.

Flow Rates per Channel in mL/min with Two-Stop Microbore Pump Tube Sets

Key letter	Pump head model no.	Number of rollers	Pump head gear ratio	Drive rpm	Two-stop microbore tube sets (flow rate per channel)			
					0.89 mm ID	1.42 mm ID	2.06 mm ID	2.79 mm ID
A	07519-05	3	1:1	6 to 600	0.44 to 44	1.0 to 100	2.2 to 220	3.8 to 380
				1 to 100	0.074 to 7.4	0.17 to 17	0.37 to 37	0.63 to 63
B	07519-06	4	1:1	6 to 600	0.44 to 44	1.0 to 100	2.2 to 220	3.8 to 380
				1 to 100	0.074 to 7.4	0.17 to 18	0.37 to 37	0.63 to 63

Key letter	Pump heads				Catalog number	Price	Cartridges		
	Number of rollers	Pump head gear ratio	Max no. of cartridges†				Small	Large	Price
			Small	Large					
A	3	1:1	8	4	GY-07519-05	GY-07519-80 (fits microbore two-stop tube sets >0.44 mm ID & L/S 13, L/S 14)	GY-07519-70 (fits L/S 14, L/S 16, L/S 25, L/S 17*)		
B	4	1:1	8	4	GY-07519-06				

*Only silicone and C-Flex® tubing formulations are recommended for L/S® 17.

†For pump heads that accept both sizes, small and large cartridges can be mixed; 2 small = 1 large.

Masterflex® Microbore Two-Stop Pump Tube Sets for 07519-80 small cartridge

Tubing ID (mm)	Platinum-cured silicone	Santoprene®	Tygon® E-LFL	Viton®
0.89	GY-06421-26	GY-06431-26	GY-06447-26	GY-96428-26
1.42	GY-06421-34	GY-06431-34	GY-06447-34	GY-96428-34
2.06	GY-06421-42	GY-06431-42	GY-06447-42	GY-96428-42
2.79	GY-06421-48	GY-06431-48	GY-06447-48	GY-96428-48
Price				

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