

Reduced Pulsation L/S® Multichannel Cartridge Pump Heads

Get low-pulsation flow from up to 12 channels

– Improved retainer design holds tubing securely in place

These pump heads are available with six or eight rollers. The greater the number of rollers, the lower the pulsation. They feature stainless steel rotors, Rulon® rollers, and PSF ends. Occlusion is offset, tangential, and adjustable. For large cartridges, set tubing retainers to your tube size and you are ready to pump. On small cartridges, optimum retention is preset—simply load tubing and start pumping.

A. 2-Channel, 6-Roller Pump Head 07519-10 (not shown)

- Flow rates: 0.0008 to 350 mL/min
- Number of cartridges: 1 or 2 large

B. 6-Channel, 6-Roller Pump Head 07519-15

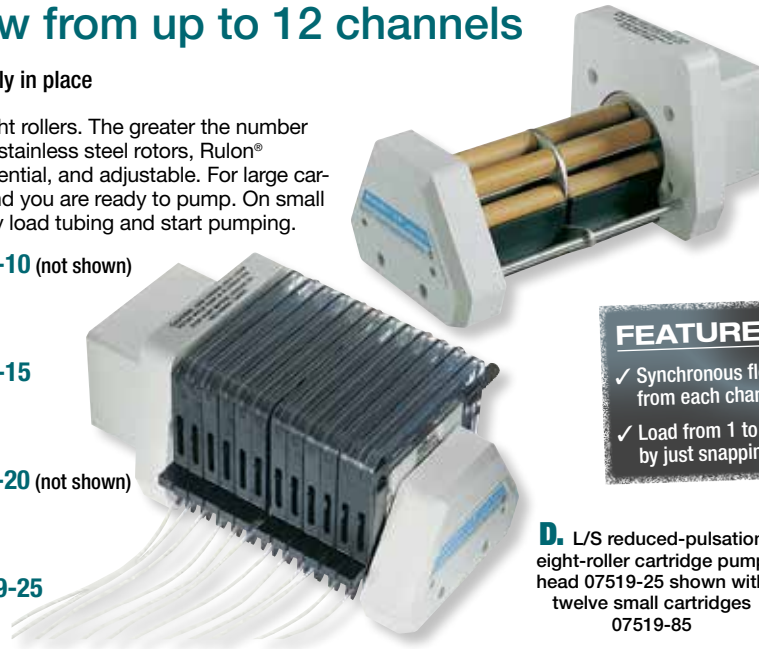
- Flow rates: 0.00017 to 170 mL/min
- Number of cartridges: 1 to 6 large

C. 4-Channel, 8-Roller Pump Head 07519-20 (not shown)

- Flow rates: 0.00006 to 85 mL/min
- Number of cartridges: 1 to 4 small

D. 12-Channel, 8-Roller Pump Head 07519-25

- Flow rates: 0.00001 to 41 mL/min
- Number of cartridges: 1 to 12 small



B. L/S reduced-pulsation six-roller cartridge pump head 07519-15

FEATURES

- ✓ Synchronous flow from each channel
- ✓ Load from 1 to 12 cartridges by just snapping into place

D. L/S reduced-pulsation eight-roller cartridge pump head 07519-25 shown with twelve small cartridges 07519-85



Flow Rates per Channel in 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 14	L/S 16	L/S 25	L/S 17†
A	07519-10	6	1:1	6 to 250	0.94 to 39	3.1 to 130	5.8 to 240	8.4 to 350
				0.02 to 100	0.0032 to 16	0.010 to 52	0.019 to 96	0.029 to 140
B	07519-15	6	5:1	6 to 600	0.20 to 20	0.65 to 65	1.2 to 120	1.7 to 170
				0.02 to 100	0.00066 to 3.3	0.0022 to 11	0.004 to 20	0.0056 to 28

†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)					
					0.19 mm ID	0.25 mm ID	0.89 mm ID	1.42 mm ID	2.06 mm ID	2.79 mm ID
C	07519-20	8	1:1	6 to 250	0.017 to 0.70	0.031 to 1.3	0.31 to 13	0.70 to 29	1.3 to 54	2.0 to 85
				0.02 to 100	0.00006 to 0.28	0.0001 to 0.52	0.001 to 5.2	0.0024 to 12	0.0044 to 22	0.0068 to 34
D	07519-25	8	5:1	6 to 600	0.0030 to 0.30	0.0060 to 0.60	0.062 to 6.2	0.14 to 14	0.26 to 26	0.41 to 41
				0.02 to 100	0.00001 to 0.050	0.00002 to 0.10	0.0002 to 1.0	0.0005 to 2.3	0.0009 to 4.3	0.0014 to 6.8

Key letter	Pump heads					Cartridges			
	Number of rollers	Pump head gear ratio	Max no. of cartridges		Catalog number	Price	Small	Large	Price
			Small	Large					
A	6	1:1	—	2	GY-07519-10		GY-07519-85 (fits all microbore two-stop tubing sizes)	GY-07519-75 (fits L/S 14, L/S 16, L/S 25, L/S 17†)	
B	6	5:1	—	6	GY-07519-15				
C	8	1:1	4	—	GY-07519-20				
D	8	5:1	12	—	GY-07519-25				

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

Masterflex® Microbore Two-Stop Pump Tube Sets for 07519-85 small cartridge

Tubing ID (mm)	Platinum-cured silicone	Santoprene®	Tygon® E-LFL	Viton®
0.19	—	—	GY-06447-10	—
0.25	—	GY-06431-12	GY-06447-12	—
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
Qty/pk	6	12	12	12
Price				

PUMP HEAD

L/S Cartridge pump head 07519-20 and four small cartridges 07519-85

TUBING

Tygon® E-LFL two-stop tube sets 06447-34 1.42-mm ID Pack of 12

DRIVE

Brushless digital drive 07522-30 0.02 to 100 rpm

Choose a Complete System

One catalog number includes all 3!

System	Flow range	Power	Catalog number	Price
	0.0024 to 12 mL/min per channel	115/230 VAC	GY-77919-35	