

L/S® Cartridge Pump Systems

Multiple-channel low-flow transfer and perfusion!

- Cartridges accept multiple tubing sizes for wide flow range
- Change tubing in one channel without disturbing others—cartridges snap in and out for tubing changes
- Finely adjust occlusion to increase accuracy
- Use only one cartridge, or load to capacity
- Digital dispensing drive features maintenance-free brushless motor
- Program dispensing parameters, including delay interval, for automated dispensing
- Four-channel, eight-roller pump offers lowest pulsation for better accuracy
- 1/10-hp continuous-duty brushless drive
- Tach feedback for ±0.1% drive speed control
- Remote control via DB25 female connector on drive
- IP33 rated, stackable ABS housing
- Membrane keypad with lockout
- See page 714 for complete drive specifications



FEATURES

- ✓ Flow rates: 0.0024 to 18 mL/min
- ✓ Variable speed from 0.02 to 100 rpm
- ✓ Up to eight separate channels

ISO9001:2008
CERTIFIED SUPPLIER



Flow range† (mL/min)	Pump head included	Tubing included	Tubing sizes accepted	Drive included	Drive speed range (rpm)	Drive IP rating	Power (50/60 Hz)	Catalog number	Price
L/S eight-channel four-roller cartridge pump system									
0.0034 to 18	L/S Cartridge head 07519-06 with eight small cartridges 07519-80	Tygon E-LFL microbore tube set, 1.42-mm ID 06447-34; pk of 12	Microbore tube sets; L/S 13, L/S 14	07522-30	0.02 to 100	IP33	90 to 130 VAC, 2.2 A; 190 to 260 VAC, 1.1 A	GY-77919-25	
L/S reduced-pulsation four-channel eight-roller cartridge pump system									
0.0024 to 12	L/S Cartridge head 07519-20 with four small cartridges 07519-85	Tygon E-LFL microbore tube set, 1.42-mm ID 06447-34; pk of 12	Microbore tube sets; L/S 13, L/S 14	07522-30	0.02 to 100	IP33	90 to 130 VAC, 2.2 A; 190 to 260 VAC, 1.1 A	GY-77919-35	

†Flow range with included tubing; extend the flow range of these systems with additional sizes of tubing; order microbore two-stop tube sets below.

Additional Microbore Two-Stop Pump Tube Sets

Pump tubing		0.89 mm ID	1.42 mm ID	2.06 mm ID	2.79 mm ID
Flow rate per channel (mL/min)	Cartridge head 07519-06	0.0015 to 7.4	0.0034 to 18	0.0074 to 37	0.0126 to 63
	Cartridge head 07519-20	0.0010 to 5.2	0.0024 to 12	0.0044 to 22	0.0068 to 34
Platinum-cured silicone		GY-06421-26	GY-06421-34	GY-06421-42	GY-06421-48
Santoprene®		GY-06431-26	GY-06431-34	GY-06431-42	GY-06431-48
Tygon® E-LFL		GY-06447-26	GY-06447-34	GY-06447-42	GY-06447-48
Viton®		GY-96428-26	GY-96428-34	GY-96428-42	GY-96428-48

Additional Cartridges

[GY-07519-80](#) Small cartridge
for pump system
77919-25

[GY-07519-85](#) Small cartridge
for pump system
77919-35



Teky's Tips

Loading Your Masterflex L/S Pump Head

Select tubing,
load tubing
into cartridge,
and set tubing
retainers.



Snap
cartridge
into place
on pump
head.



Adjust
occlusion
using index
scale on
cartridge.

