

Flow Range
0.06 to 3400 mL/min

L/S® Precision Modular Drives

Modular drives let you place motor and controller where convenient—ideal for limited spaces, hoods, or isolation chambers

- Flow rate 0.06 to 3400 mL/min (depends on drive rpm and tubing size)
- Three-digit LED display shows motor rpm—confirm speed setting at a glance
- Membrane keypad for easy up-front control of speed, direction, and start/stop
- Reversible motor—purge tubing before or after pumping; pump fluid in either direction
- LED indicators confirm motor direction
- Powerful motors let you stack 2 or 4 pump heads for increased flow rates and for multichannel applications
- Separate speed and power (on/off) control—maintain speed setting while turning pump on/off
- $\pm 0.25\%$ speed control; meter and transfer fluids with accuracy and repeatability
- Remote control capabilities
 - Speed control input
 - Pump direction (CW/CCW) via open collector or contact closure
 - Start/stop via open collector or contact closure

L/S® modular drives feature reversible pumping and allow you the flexibility to separate the motor from the controller. For hostile environments, use model “B”, which features components that are IP66 / NEMA 4X rated for washdown. These accurate modular drives have powerful motors, speed display, and $\pm 0.25\%$ speed control for precise flow regulation—ideal for metering applications.

What’s included: 6-ft (1.8-m) line cord with IEC 320/CEE22 socket. These models are shipped with country-specific plug/cord set; please specify ultimate destination when ordering.

A Modular Drives with Bench Top Controller

- Splash-resistant ABS plastic controller housing is IP33 rated; drive housing is epoxy finished steel, IP33 rated
- 6-ft (1.8-m) cable connects drive and controller; optional extension cables are available; see “Accessories” on facing page.
- Remote control capabilities via a DB9 female connector on back of drive

B Washdown Modular Drives with Wall-Mount Controller

- Wall-mount controller housing is powder-coated aluminum, IP66 / NEMA 4X rated for washdown; powder-coated steel drive housing is IP66 / NEMA 4X rated for washdown
- 6-ft (1.8-m) cable connects drive and controller
- Remote control capabilities via weather-resistant connection on controller

TECHNICAL info!

Variable-speed console drives accept nine different pump head types: Standard, Easy-Load®, Easy-Load® II, Easy-Load® 3, Multichannel, High-Performance, Cartridge, PTFE-Tubing, and PTFE-Diaphragm.

NEW



A

Modular drive 07557-00



New shaft insert greatly reduces noise at high rpm and limits wear of interface between pump head and drive.

Separate Motor and Controller up to 25 feet!



B

Modular drive with IP66-rated wall-mount controller 07557-60 shown with Easy-Load® II pump head 77200-62



Flow Rates in mL/min (flow rates in parentheses can only be obtained with the High-Performance pump head—see page 1243)

rpm	Precision pump tubing						High-performance precision pump tubing			
	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18	L/S 15	L/S 24	L/S 35	L/S 36
	Standard [†] , Easy-Load, Easy-Load II, Easy-Load 3						Multichannel [‡] , Standard [†] , Easy-Load II, Easy-Load 3, High-Performance			
	Cartridge, Multichannel			Cartridge			Easy-Load			
6 to 600	0.36 to 36	1.3 to 130	4.8 to 480	10 to 1000	17 to 1700	23 to 2300	10 to 1000 (11 to 1100)	17 to 1700 (18 to 1800)	23 to 2300 (26 to 2600)	29 to 2900 (34 to 3400)
1 to 100	0.06 to 6	0.21 to 21	0.8 to 80	1.7 to 170	2.8 to 280	3.8 to 380	1.7 to 170 (1.8 to 180)	2.8 to 280 (3.0 to 300)	3.8 to 380 (4.3 to 430)	4.8 to 480 (5.8 to 580)

[†]The Standard pump head is not available for L/S 25. [‡]Multichannel head is not available for L/S 36. Multichannel and Cartridge heads are available for microbore tubing.

Specifications & Ordering Information (for all drives on these two pages)



Catalog number	rpm	Speed control (resolution)	Pump heads accepted	Motor size	IP rating	Dimensions (L x W x H)	Power (50/60 Hz)		Price
							VAC	Amps	
A Precision modular drives with bench top controller									
TW-07557-00	6 to 600	±0.25% (1 rpm at 600 rpm;	2	1/10 hp	IP33	Controller: 10½" x 8¼" x 5" (26.7 x 21 x 12.7 cm)	90 to 260	2.2 at 115 VAC, 1.1 at 230 VAC	\$1490.00
TW-07557-10	1 to 100	0.1 rpm at 100 rpm)	4	(75 W)		Drive: 10¾" x 4¾" x 4½" (27.3 x 11.1 x 11.4 cm)			\$1490.00
B Precision washdown modular drives with wall-mount controller									
TW-07557-60	6 to 600	±0.25% (1 rpm at 600 rpm;	2	1/10 hp	IP66	Controller: 9" x 11¾" x 4½" (23 x 30 x 11.4 cm)	90 to 260	2.2 at 115 VAC, 1.1 at 230 VAC	\$2040.00
TW-07557-70	1 to 100	0.1 rpm at 100 rpm)	4	(75 W)		Drive: 15½" x 7" x 6" (39.5 x 17.8 x 15.2 cm)			\$2040.00

Accessories for benchtop models 07557-00, -10

- TW-07557-51 Extension cable**, 9 ft (2.7 m) for benchtop modular drives; extend distance between motor and controller **\$347.00**
- TW-07528-80 Handheld remote controller**; control start/stop and direction; route tubing through handle for dispensing and filling applications; 6-ft (1.8-m) cable **\$310.00**
- TW-07595-47 Cable assembly**, DB9 male connector and 25 ft (7.9 m) cable with stripped wire terminal ends. Use for remote control **\$188.00**
- TW-77595-35 Foot switch**, DB9 male with 6-ft (1.8 m) cable **\$217.00**
- TW-17050-01 NIST-traceable calibration** with data for peristaltic pump drive. **\$144.00**

Accessories for washdown models 07557-60, -70

- TW-07557-51 Extension cable**, 9 ft (2.7 m) for washdown modular drives; extend distance between motor and controller **\$347.00**
- TW-07592-83 Handheld remote controller**, 18-pin round with 6-ft (1.8-m) cable **\$307.00**
- TW-77300-32 Cable assembly**, 18-pin round connector and 25 ft (7.9 m) cable with stripped wire terminal ends. Use for remote control **\$150.00**
- TW-07595-43 Washdown foot switch**, 18-pin round with 6-ft (1.8 m) cable **\$458.00**
- TW-17050-01 NIST-traceable calibration** with data for peristaltic pump drive. **\$144.00**

Complete L/S® Variable-Speed Economy Pump Systems

Complete Systems 1 and 2 include:

Pump Head	+	Tubing	+	Drive
1 L/S Easy-Load 3 pump head 77800-60 (pages 1238-1239)		C-Flex® ULTRA L/S 16 tubing 06434-16 10 ft (3 m) (pages 1254-1255)		Modular drive 07557-00 6 to 600 rpm (above)
2 L/S Easy-Load II pump head 77200-62 (pages 1240-1241)		C-Flex ULTRA L/S 24 tubing 06434-24 10 ft (3 m) (pages 1256-1257)		Modular drive 07557-00 6 to 600 rpm (above)

Ordering Information—Complete Pump Systems 1 and 2

Key	Catalog number	Description	Power (VAC, Hz)	Price
1	TW-77913-60	L/S Precision modular pump with Easy-Load® 3 pump head	90 to 260, 50/60	\$1840.00
2	TW-77913-70	L/S Precision modular pump with Easy-Load® II pump head	90 to 260, 50/60	1900.00



Complete System 3 includes:

Pump Head	+	Tubing	+	Drive
3 Easy-Load® II pump head 77200-62 (pages 1240-1241)		C-Flex ULTRA L/S 24 tubing 06434-24 10 ft (3 m) (pages 1256-1257)		Modular drive 07557-60 6 to 600 rpm (above)

Ordering Information—Complete Pump System 3

Key	Catalog number	Description	Power (VAC, Hz)	Price
3	TW-77913-80	L/S Precision washdown modular pump with Easy-Load® II pump head	90 to 260, 50/60	\$2450.00

