

L/S® High-Performance Pump Heads

All-new design offers faster tubing changes and improved ergonomics

- Simply close the pump head and tubing occlusion is optimal and automatic
- Flow rates up to 3400 mL/min with L/S high-performance precision tubing
- Reinforced nylon housing and occlusion bed with stainless steel rotor/roller assembly
- Models with open-head interlock sensor stop drive motor when pump head is open (when used with sensor-equipped drives)
- Compatible with all L/S drives that accept two or more pump heads

FEATURES

- ✓ Pressures up to 150 psi with L/S high-pressure (HP) pump tubing
- ✓ Automatic tubing occlusion—no need to adjust
- ✓ ATEX Zone 2 rated models available

MASTERFLEX®



What's included: mounting hardware and 15" (38 cm) of pump tubing.

ISO 9001:2008
CERTIFIED SUPPLIER

ATEX

Zone 2
77252-80, 82



Pump tubing size	mL per rev	Flow rates in mL/min		Max system pressure psi (bar)	Catalog number		
		0.02 to 100 rpm	0.1 to 600 rpm		High-Performance pump head with open-head sensor	High-Performance pump head	ATEX-approved High-Performance pump head
High-performance pump heads for Precision pump tubing							
L/S 16	0.9	0.018 to 90	0.09 to 614	40 (2.7)	JT-77252-60	JT-77252-70	JT-77252-80
L/S 25	1.9	0.038 to 187	0.19 to 1278	40 (2.7)			
L/S 17	3.0	0.06 to 307	0.30 to 1883	20 (1.4)			
L/S 18	3.8	0.076 to 377	0.38 to 2812	40 (2.7)			
High-performance pump heads for High-Performance Precision pump tubing							
L/S 14HP†	0.3	0.006 to 30	Not recommended	150 (10.3)	JT-77252-62	JT-77252-72	JT-77252-82
L/S 16HP†	0.9	0.018 to 90	Not recommended	125 (8.5)			
L/S 15HP†	1.7	0.034 to 170	Not recommended	100 (6.8)			
L/S 24HP†	2.4	0.048 to 240	Not recommended	80 (5.5)			
L/S 15	1.8	0.036 to 180	0.18 to 1100	40 (2.7)			
L/S 24	3.0	0.06 to 300	0.30 to 1800	40 (2.7)			
L/S 35	4.3	0.086 to 430	0.43 to 2600	35 (2.4)			
L/S 36	5.8	0.116 to 580	0.58 to 3400	20 (1.4)			
Price							

†L/S 14HP, L/S 15HP, L/S 16HP and L/S 24HP pump tubing is for use only with the L/S High-Performance pump head mounted on any L/S 100 rpm drive capable of running two or more pump heads. **Note:** High-Performance pump heads are not stackable.

L/S® Easy-Load® 3 Pump Heads

No tools or hardware needed

- Mount and stack heads in seconds with twist-lock mounting feature
- CRS rotor is more economical while SS offers greater durability and chemical resistance
- Mount up to four pump heads without tools or hardware when using mounting plate
- Included mounting plate adapts Easy-Load 3 pump heads to L/S drives

FEATURES

- ✓ Same side tubing entry/exit for space-limited applications
- ✓ Automatic tubing retention
- ✓ Stack up to four heads

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Pump tubing sizes accepted	mL per rev	Flow rates in mL/min		Maximum system pressure† psi (bar)	Catalog number†	
		1 to 100 rpm	6 to 600 rpm		CRS rotor	SS rotor
Easy-Load 3 pump heads for Precision pump tubing						
L/S 13	0.06	0.06 to 6	0.36 to 36	40 (2.7)	JT-77800-50	JT-77800-60
L/S 14	0.22	0.22 to 22	1.3 to 130	40 (2.7)		
L/S 16	0.8	0.8 to 80	4.8 to 480	40 (2.7)		
L/S 25	1.7	1.7 to 170	10 to 1000	35 (2.4)		
L/S 17	2.8	2.8 to 280	17 to 1700	20 (1.4)		
L/S 18	3.8	3.8 to 380	23 to 2300	15 (1.0)		
Easy-Load 3 pump heads for High-Performance Precision pump tubing						
L/S 15	1.7	1.7 to 170	10 to 1000	30 (2.0)	JT-77800-52	JT-77800-62
L/S 24	2.8	2.8 to 280	17 to 1700	30 (2.0)		
L/S 35	3.8	3.8 to 380	23 to 2300	25 (1.7)		
L/S 36	4.8	4.8 to 480	29 to 2900	20 (1.4)		
Price						

†Actual performance varies depending on pump tubing formulation—values shown are for firm pump tubing.

†CRS = cold-rolled steel SS = stainless steel



JT-77800-00 Replacement mounting kit, for mounting Easy-Load 3 pump head to Masterflex L/S pump drives. Includes mounting plate and four screws