

MASTERFLEX® LIS® fixed-speed pumps

- Ideal for very low-flow applications
- Deliver flow rates from 0.06 to 348 mL/min (0.001 to 5.5 GPH)
- Compact drives feature durable epoxy-coated steel housings
- Operate 24 hours per day—drives feature continuous-duty brushless AC motors
- On/off switch provides easy, safe control of motor
- Thermally protected motor automatically shuts down in overheat conditions



Fixed-speed pump 955-1205 includes an Easy-Load II pump head



Fixed-speed pump 965-1200 includes a High-Performance pump head

Specifications & Ordering Information

Catalog number	VA-955-1100	VA-955-1105	VA-955-1200	VA-955-1205	VA-955-1300	VA-955-1305	VA-955-1400	VA-955-1405	VA-956-1100	VA-956-1105	VA-956-1200	VA-956-1205	VA-956-1300	VA-956-1305	VA-956-1400	VA-956-1405
Included pump head	Easy-Load II (thin wall)		Easy-Load II (thin wall)		Easy-Load II (thin wall)		Easy-Load II (thin wall)		Easy-Load II (thick wall)		Easy-Load II (thick wall)		Easy-Load II (thick wall)		Easy-Load II (thick wall)	
Number of heads accepted	2		2		2		1		2		2		2		1	
Motor rpm (fixed)	1		6		30		60		1		6		30		60	
Voltage (50/60 Hz)	115	230	115	230	115	230	115	230	115	230	115	230	115	230	115	230
Current	0.3 A	0.2 A	0.5 A	0.2 A	0.5 A	0.4 A	0.9 A	0.4 A	0.3 A	0.2 A	0.5 A	0.2 A	0.5 A	0.4 A	0.9 A	0.4 A
Fuse rating	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4
Motor type	AC, shaded pole															
Speed regulation (Repeatability)	±10%															
Operating temperature	0 to 40°C (32 to 104°F)															
Storage temperature	25 to 65°C (-49 to 149°F)															
IP rating	IP22															
Agency approvals	UL, cUL, CE (230 V units)															
Dimensions (L x W x H)	13.4 cm x 11.8 cm x 15.2 cm (5 3/8" x 4 5/8" x 6")															
Shipping weight	4.0 kg (9.0 lb)															

Flow Rates, mL/min (GPH)*

Motor rpm	Masterflex® L/S® precision tubing sizes					
	L/S® 13	L/S® 14	L/S® 16	L/S® 25	L/S® 17	L/S® 18
Easy-Load® II (thin wall)						
1	0.06 (0.001)	0.21 (0.003)	0.8 (0.013)	1.7 (0.027)	2.8 (0.044)	3.8 (0.060)
6	0.36 (0.006)	1.26 (0.020)	4.8 (0.076)	10.2 (0.16)	16.8 (0.27)	22.8 (0.36)
30	1.8 (0.03)	6.3 (0.10)	24 (0.38)	51 (0.81)	84 (1.3)	114 (1.8)
60	3.6 (0.06)	12.6 (0.20)	48 (0.76)	102 (1.6)	168 (2.7)	228 (3.6)

Motor rpm	Masterflex® L/S® High-performance precision tubing sizes			
	L/S® 15	L/S® 24	L/S® 35	L/S® 36
Easy-Load® II (thick wall)				
1	1.7 (0.03)	2.8 (0.04)	3.8 (0.06)	4.8 (0.08)
6	10.2 (0.16)	16.8 (0.27)	22.8 (0.36)	28.8 (0.46)
30	51 (0.81)	84 (1.3)	114 (1.8)	144 (2.3)
60	102 (1.6)	168 (2.7)	228 (3.6)	288 (4.6)
High-Performance (thick wall)				
1	1.8 (0.03)	3 (0.05)	4.3 (0.07)	5.8 (0.09)
6	10.8 (0.17)	18 (0.29)	25.8 (0.41)	34.8 (0.55)
30	54 (0.86)	90 (1.4)	129 (2.0)	174 (2.8)
60	108 (1.7)	180 (2.9)	258 (4.1)	348 (5.5)

Note: Flow rates were calculated under the following conditions: zero psig at inlet, 0.5 psig at outlet; water temperature at 22°C (72°F).
*Flow rates listed in parentheses are obtainable only with High-Performance pump head.



Catalog number	VA-965-1100	VA-965-1105	VA-965-1200	VA-965-1205	VA-965-1300	VA-965-1305
Included pump head	High-Performance (thick wall)					
Number of heads accepted	1		6		30	
Motor rpm (fixed)	1		1		1	
Voltage (50/60 Hz)	115	230	115	230	115	230
Current	0.3 A	0.2 A	0.5 A	0.2 A	0.5 A	0.4 A
Fuse rating	0.8 A	0.4 A	0.8 A	0.4 A	0.8 A	0.4 A
Motor type	AC, shaded pole					
Speed regulation (Repeatability)	±10% (±10%)					
Operating temperature	0 to 40°C (32 to 104°F)					
Storage temperature	-45 to 65°C (-49 to 149°F)					
IP rating	IP22					
Agency approvals	UL, cUL, CE (230 V units)					
Dimensions (L x W x H)	13.4 cm x 11.8 cm x 15.2 cm (5 1/8" x 4 5/8" x 6")					
Shipping weight	4.5 kg (10.0 lb)					