

## Thermo Scientific Masterflex® P/S Pump Adapter Systems (for 56C face and IEC motors)

Attach your own motor to meet local electrical standards, hazardous-duty, or washdown requirements.



Adapter System includes EASY-LOAD® II Pump Head, Adapter, and Hardware. Motor not included

### Product Benefits

- System includes Pump Head, adapter, and mounting hardware.
- Deliver flow rates up to 3400 mL/min (up to 54 GPH) with Masterflex P/S Pump Heads.
- Multichannel capabilities.
- Accepts NEMA 56C or IEC 72 frame motors with base.
- Use any motors with a 56C face.
- For metric motors, select the IEC 72 frame type.



## Flow Ranges, mL/min (GPH)

Recommended motor rpm limits	Adapter gear ratio	Pump head rpm	P/S Precision Tubing Sizes (thin wall)						P/S High-Performance Tubing Sizes (thick wall)			
			P/S 13	P/S 14	P/S 16	P/S 25	P/S 17	P/S 18	P/S 15	P/S 24	P/S 35	P/S 36
Flow per revolution		1	0.06	0.21	0.8	1.7	2.8	3.8	1.7 (1.8)	2.8 (3.0)	3.8 (4.3)	4.8 (5.8)
3.7 to 2220	3.7:1	1 to 600	0.06 to 36 (0 to 0.54)	0.21 to 130 (0 to 1.8)	0.8 to 480 (0.012 to 7.6)	1.7 to 1000 (0.024 to 16)	2.8 to 1700 (0.042 to 26.4)	3.8 to 2300 (0.06 to 36)	1.7 to 1000 (0.024 to 16)	2.8 to 1700 (0.042 to 26)	3.8 to 2300 (0.06 to 36)	4.8 to 2900 (0.06 to 46)
18.3 to 3450	18.3:1	1 to 190	0.06 to 12 (0 to 0.18)	0.21 to 40 (0 to 0.6)	0.8 to 150 (0.012 to 2.34)	1.7 to 320 (0.024 to 5.04)	2.8 to 540 (0.042 to 8.4)	3.8 to 720 (0.06 to 11.4)	1.7 to 320 (0.024 to 5)	2.8 to 540 (0.042 to 8)	3.8 to 720 (0.06 to 11)	4.8 to 900 (0.06 to 14)

**Note:** Flow rates were determined using water at room temperature with zero back pressure and zero suction lift.  
 Max flow rate with High-Performance Pump Head is 3400 mL/min.

## Specifications & Ordering Information

Catalog Number	955-3999	956-3999	965-3999	955-4999	956-4999	965-4999
Includes pump head	EASY-LOAD II (thin wall)	EASY-LOAD II (thick wall)	High-Performance (thick wall)	EASY-LOAD II (thin wall)	EASY-LOAD II (thick wall)	High-Performance (thick wall)
Type	56C Frame Adapter 4:1			IEC 72		
Number of heads accepted	2		1	2		1
IP rating	IP56 with gasket (included) mounted to motor.					
Operating temperature	-10 to 50°C (14 to 122°F)					
Storage temperature	-40 to 60°C (-40 to 140°F)					
Dimensions (L x W x H)	14.6 cm x 16.5 cm x 16.5 cm (5/4" x 6/2" x 6/2")					
Shipping weight	1.9 kg (4 lb)					

**Flow Curves**  
**P/S EASY-LOAD® II Pump Head**

