

# MASTERFLEX® I/P®

## washdown modular systems

- Deliver flow rates from 0.12 to 17 LPM (0.03 to 4.5 GPM) with Masterflex® I/P® pump heads
- Convenient modular style; mount washdown controller and motor in separate locations
- Wide flow control range (over 30:1 turndown)
- Reversible motor allows pumping in either direction or easy purging
- Remote speed control
- Wall-mount controller features a NEMA 13 (IP55) enclosure; motor features a NEMA 4 (IP56) enclosure
- Manual controls on front of the controller
- Single-turn, solid-state potentiometer
- 7.3-m (24-ft) weather-resistant cable connects motor and controller for easy setup



Washdown modular system 950-1010 includes an Easy-Load® pump head

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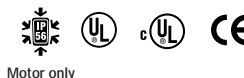
For pressure and suction performance, see the "Specifications" on page 19.



**Flow ranges, LPM (GPM)**

Motor rpm	Masterflex® I/P® precision tubing sizes			I/P® high-performance precision tubing sizes*		
	I/P® 26	I/P® 73	I/P® 82	I/P® 70	I/P® 88	I/P® 89
20 to 650	0.12 to 4.0 (0.03 to 1.0)	0.2 to 8 (0.05 to 2.1)	0.4 to 13 (0.01 to 3.5)	0.26 to 8.0 (0.07 to 2.1)	0.40 to 13.0 (0.11 to 3.4)	0.52 to 17 (0.14 to 4.5)

\*Use High-performance precision tubing with High-Performance pump head only.



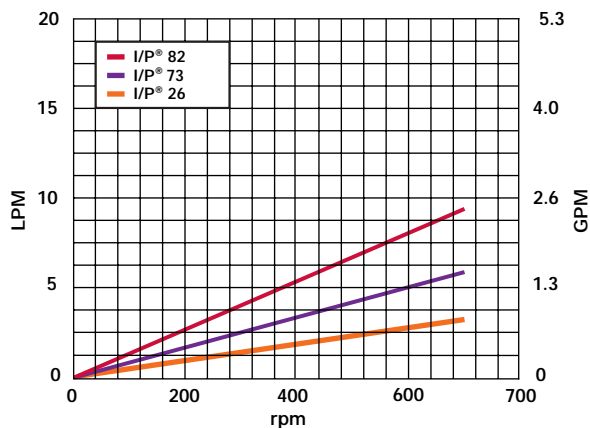
Motor only

**Specifications & Ordering Information**

Catalog number	VA-950-1010	VA-950-1015	VA-960-1010	VA-960-1015
Included pump head	Easy-Load®		High-Performance	
Number of heads accepted	2		1	
rpm	20 to 650			
External control, input	4 to 20 mA, on/off and speed control			
Voltage (50/60 Hz)	90 to 130 VAC	190 to 260 VAC	90 to 130 VAC	190 to 260 VAC
Motor type	Continuous duty, TENV <sup>†</sup> , permanent magnet DC			
Speed control type	Single-turn potentiometer, SCR			
Speed regulation (repeatability)	±0.3% (±2%)			
Operating temperature	0 to 40°C (32 to 104°F)			
Storage temperature	-45 to 65°C (-49 to 149°F)			
IP rating	Controller: IP55; Motor: IP56			
Agency approvals	UL, cUL, CE			
Controller dimensions (L x W x H)	25.8 x 23.3 x 12.9 cm (9 <sup>7</sup> / <sub>8</sub> x 9 <sup>3</sup> / <sub>16</sub> x 5")			
Motor footprint dimensions (L x W x H)	35.9 x 14.1 x 15.2 cm (14 <sup>1</sup> / <sub>8</sub> x 5 <sup>7</sup> / <sub>16</sub> x 6")			
Shipping weight	14.1 kg (31 lb)			

<sup>†</sup>Totally enclosed, non-ventilating.

**Flow Curves**  
I/P® Easy-Load® Pump



**Flow Curves**  
I/P® High-Performance Pump

