

## MASTERFLEX® B/T® Fixed-Speed Pump

### Economical and easy to operate

- Achieve the highest flow rates of any Masterflex pump—up to 37 LPM (9.8 GPM)
- Accept new B/T PerfectPosition™ pump tubing sizes B/T 87 and B/T 91
- Washdown pumps handle the toughest process and production applications, then clean up with ease
- Gentle peristaltic action is ideal for pumping shear-sensitive or viscous fluids (up to 10,000 cps)
- New improved rotor and occlusion bed design allow easier tube loading and prevent “tubing roll” during operation
- Reversible motor: purge before or after pumping, pump fluid in either direction
- IP55-rated motor—wash off dirt or debris without harming pump

Masterflex B/T pumps are the best choice for high-flow bulk-transfer applications. Their durable construction ensures long service life with minimal maintenance. The sturdy materials of construction include stainless steel/carbon steel, a cast aluminum housing with an epoxy-powder coating, and Nylatron® rollers for rugged dependability.

All B/T pumps include a **new** and **improved** Rapid-Load® pump head for fast and easy tubing changes. The redesigned occlusion mechanism slides the tubing bed out of the way for easy tube loading and improved occlusion of the tubing when the pump head closes. The improved tubing retention mechanism holds the tubing firmly in place to allow for a simple loading process. New tubing sizes provide better performance in higher-pressure applications and provide longer tubing life.

**What's included:** a new Rapid-Load pump head, 1 m (3 ft) of Tygon® LFL B/T 91 tubing 06430-91, and a 6-ft line cord—115 VAC: U.S. standard plug; 230 VAC: European plug.

### Ideal for Viscous Materials!

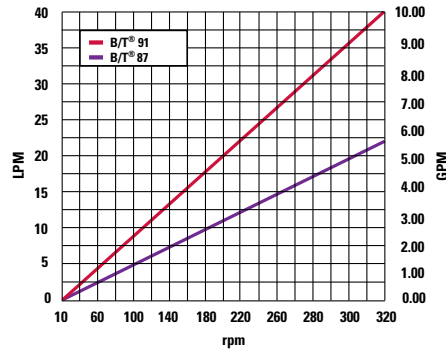


Fixed-speed pump 940-1625 includes a new and improved Rapid-Load® pump head

### Flow Rates, LPM (GPM)

rpm	PerfectPosition™ pump tubing	
	B/T 87	B/T 91
321	17.7 (4.7)	37 (9.8)
266	14.7 (3.9)	30.7 (8.1)

**Flow Curves  
B/T® Rapid-Load® Pump Head**



**Specifications & Ordering Information**

Catalog number	940-1625	940-1815
<b>Performance Specifications</b>		
Flow capacity	37 LPM (9.8 GPM)	37 LPM (9.8 GPM)*
rpm	321	321 @ 60Hz, 266 @ 50Hz
Number of channels	One	One
Reversible	Yes	Yes
External control – input	—	—
<b>Electrical Specifications</b>		
Voltage	115 VAC, 60 Hz, 1 phase	230 VAC, 60/50 Hz, 1 phase
Current	8 amps	4 amps
Motor type	NEMA 56C Face, TEFC, IP55 washdown	NEMA 56C Face, TEFC, IP55 washdown
Motor size	½ hp (0.37 kW)	½ hp (0.37 kW)
Display	—	—
Motor speed	Max. 1800 rpm	Max. 1800 rpm
Speed regulation of set point (repeatability)	—	—
Soft-start/electronic brake	—	—
<b>Physical Specifications</b>		
Housing materials	Polyester powder coated aluminum, nickel-plated steel, 300 stainless steel, and polycarbonate	
Pump head materials	Nylatron™ rollers, Delrin™, polyester powder-coated cast iron	
IP rating	IP55	IP 55
Agency listings	UL, cUL, CE	UL, cUL, CE
Operating temperature	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)
Storage temperature	-45 to 65°C (-13 to 149°F)	-45 to 65°C (-13 to 149°F)
Dimensions (L x W x H)	51 x 40 x 66 cm (20" x 15½" x 26")	51 x 40 x 66 cm (20" x 15½" x 26")
Shipping weight	41 kg (89 lb)	41 kg (89 lb)

\*Flow at 60 Hz, at 50 Hz flow will be % of flow rate shown.



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