

B/T® Pumps

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

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. Choose from a variety of models suitable for nearly any application, from fixed speed pumps to digital dispensers, to hazardous-duty and air-driven pumps.

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 and 3 ft (1 m) of Tygon® LFL B/T 91 tubing 06430-91. (Order additional tubing separately on page 1304.)

A Fixed-Speed Pump

Economical and easy to operate

- Reversible motor: purge before or after pumping, pump fluid in either direction
- IP55-rated motor—wash off dirt or debris without harming pump
- Includes 6-ft line cord—115 VAC: U.S. standard plug; 230 VAC: European plug

B Hazardous-Duty Pump

Use in locations where motor sparking could be a hazard

- IP55-rated motor protects against dust and low-pressure jets of water
- Does not include power switch or line cord—safely connect power using your own protected connections

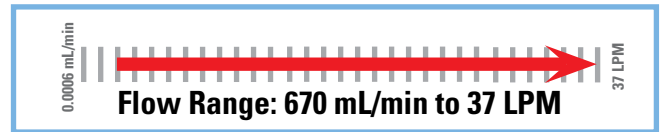
Flow Rates in LPM (GPM)

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)

Specifications & Ordering Information

Key letter	Catalog number	Motor type	Motor size	rpm	IP rating	Mounting type	Dimensions (L x W x H)	Power		Price
								VAC (Hz)	Amps	
A	KH-77110-00	Fixed-speed	½ hp (0.37 kW)	321	IP55	Direct-drive	26" x 15½" x 12½" (66 x 40 x 31.8 cm)	115 (60)	8	
	266			220 (50)				4		
B	KH-77110-20	Fixed-speed, hazardous-duty†	½ hp (0.37 kW)	321	IP55	Direct-drive	26" x 15½" x 12½" (66 x 40 x 31.8 cm)	115 (60)	8	
	266			220 (50)				4		

†Class 1, Groups C and D.



Ideal for Viscous Materials!



A
Fixed-speed pump 77110-00 is simple to set up and operate.



B
Hazardous-duty pump 77110-20 (shown with B/T® 91 silicone pump tubing 96400-91) operates in areas where sparking could be a hazard.

