

Thermo Scientific Masterflex B/T

Analog or Digital Variable-Speed Systems



B/T Analog Pump System

- Simple one-hand opening/closing.
- Reinforced base and motor mount with return bend for easy installation.
- Achieve the highest flow rates of any Masterflex pump — up to 37 LPM (9.8 GPM).
- Simple controls make this easy-to-operate.
- Washdown pumps handle the toughest process and production applications, then clean up with ease.
- Detachable controller with 3 m (10 ft) cord mounts on pump or wall.
- IP56-rated motor protects against dust and strong jets of water.
- Reversible motor: purge before or after pumping, pump fluid in either direction.
- Includes 6 ft line cord – 115 V AC: US Standard plug; 230 V AC European plug.

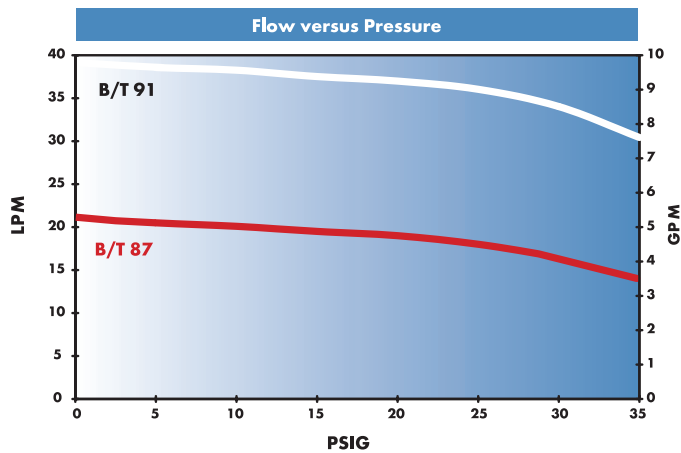
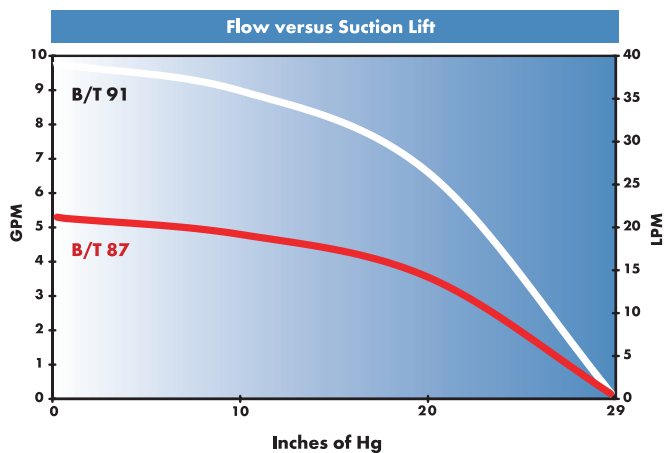
B/T Digital Modular Pump System

- Simple one-hand opening/closing.
- Reinforced base and motor mount with return bend for easy installation.
- High-volume, high-accuracy dispensing.
- Dispense by volume or time, or pump continuously.
- Separate motor and controller by up to 25 feet for convenient operation.
- IP56-rated controller and motor protect against dust and water.
- Keypad lock/unlock feature helps lock in your settings and prevents accidental or unauthorized changes.
- Simple intuitive controls. Start, stop, prime, reverse, calibrate, and dispense using the sealed keypad.
- Display shows flow rate in metric or units (LPM).
- Calibrate pump for optimal accuracy.



Specifications & Ordering Information

Catalog number	945-1610	945-1615	945-2610	945-2615
PERFORMANCE	ANALOG		DIGITAL	
Flow Capacity	37 (LPM) 9.7 (GPM) Typical			
RPM	12 to 321		11 to 321	
Number of Channels	One			
Reversible	Yes			
External Control - Input	Not Applicable		0-20 mA; or 0 to 10 V; Start/Stop; CW/CCW; Prime (contact closure)	
External Control - Output	Not Applicable		0 to 20 mA; 4 to 20 mA; or 0 to 10 V; Tach Motor Running (NC or NO)	
ELECTRICAL				
Voltage VAC (50/60 Hz)	115 V, 60 Hz 1Ph	230 V, 50/60 Hz 1Ph	115 V, 60 Hz 1Ph	230 V, 50/60 Hz 1Ph
Current (mA)	6.5 amps	3.3 amps	6.5 amps	3.3 amps
Motor Type	Nema 56C Face, TENV, PMDC			
Motor Size	1/2 HP (0.37 kW)			
Motor Speed	Max. 1800 rpm			
Speed Regulation of Setpoint (repeatability)	± 5% (± 5 RPM)		± 3%	
Self-Start/Electronic Brake	Not Applicable		Yes	
Display	Not Applicable		Four Digit, Seven Segment LED	
PHYSICAL SPECIFICATIONS				
Housing materials	Polyester powder coated aluminum, Nickel-plated steel, 300 Stainless steel, and Poly-carbonate			
Pump Head Materials	Nylatron® rollers, Delrin®, Polyester powder coated cast iron			
Operating temperature	0 to 40°C (32 to 104°F)			
Storage temperature	-20 to 60°C (-4 to 140°F)		-45 to 65°C (-13 to 149°F)	
IP rating	IP56 (Nema 4)			
Agency approvals	UL, cUL, CE (230 Volt only)			
Controller dimensions (L x W x H)	51 x 40 x 66 cm (20 x 15.5 x 26 in)			
Shipping weight	40.4 kg (89 lbs)		47 kg (98 lb)	



Holland[®]
APPLIED TECHNOLOGIES
 Indianapolis • Chicago • San Juan
www.hollandapt.com
 800-800-8464

www.thermo.com/fluidhandling

Barrington, IL 60010
 1-800-637-3739
 1-847-381-7050
 1-847-381-7053 fax

B/T 2 9/1/09

Thermo
 SCIENTIFIC