



CON-TROL-CURE®

PERISTALTIC PUMPS

Choose from this full line of peristaltic pumps to deliver metered amounts of UV inks and/or coatings for any production application



Easy-Load Pump Head (#J004-064A)

MASTERFLEX PERISTALTIC PUMPS

Masterflex Peristaltic Pumps are completely interchangeable to fit your production needs. The “Easy Load” Pump Head is specifically designed for quick tubing changes and does not require tools for changeover. Choose from two sizes to best suit your flow requirements, and choose the Masterflex Pump Drive which meets your specifications: Fixed Speed, Variable Speed, and Variable Speed with Reverse Switch. Every Masterflex head and pump are completely interchangeable to provide with with maximum versatility. Variable Speed Drives can support more than one Easy-Load Pump Head to save you money for each head you add!

“EASY LOAD” PUMP HEADS

One lever does it all! This pump head provides simple and easy tubing changes with the push of a lever. Ideal for use in ink, coating and adhesive delivery, this pump head accepts several sizes of tubing for a wide flow range (.06 to 23000 ml/minutes). No tools required to maintain efficient and effective production in all printing and curing environments. Mounting hardware included.

Choose the right “Easy-Load” pump head for thin-wall or thick-wall tubing. Precision-molded tubing cavity provides the proper averaged occlusion for all recommended sizes. The adjustable side retainers hold tubing securely in place.

Specifications for “EASY LOAD” Pump Head (Thick-wall Tubing):

- * Maximum Operating Pressure: 25 psi continuous
40 psi intermittent
- * Compatible Tubing Sizes: ID: 3/16 & 1/4”; OD: 3/8 & 7/16”

PART NO.	DESCRIPTION
J004-064A	“EASY LOAD” PUMP HEAD (Thick-wall Tubing)

Specifications for “EASY LOAD” Pump Head (Thin-wall Tubing):

- * Maximum Operating Pressure: 20 psi continuous
35 psi intermittent
- * Compatible Tubing Sizes: ID: 1/32, 1/16, 1/8, 3/16, 1/4, 5/16”
OD: 1/6, 3/8, 1/4, 5/16, 3/8, 7/16”

PART NO.	DESCRIPTION
J004-063A	“EASY LOAD” PUMP HEAD (Thin-Wall Tubing)

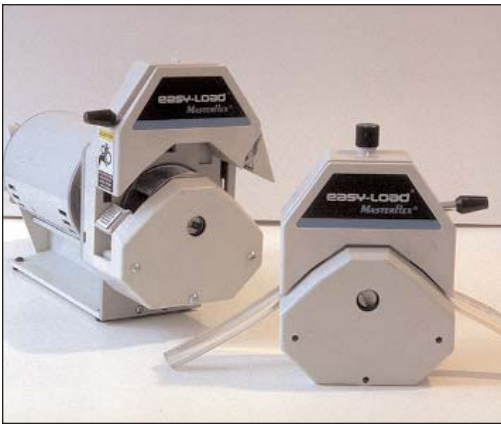
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PERISTALTIC PUMPS



Masterflex Fixed Drive (#J004-065B)

MASTERFLEX DRIVES FIXED/VARIABLE SPEED (no reverse) DRIVES

This basic drive delivers continuous, accurate flow rates (0.06 - 2200m/min) and is appropriate for use with UV ink, coatings and adhesives. Made with rugged, stackable housing, this efficient and economical drive is suitable for a variety of applications and accepts all Masterflex pump heads.

Fixed Speed Drive Specifications

- * 60 RPM, 115 VAC/60HZ
- * Accepts single pump head
- * Dimensions: 5 5/16 x 4 x 4 3/8"

Variable Speed Drive Specifications (no reverse switch):

- * Unidirectional
- * Speed Control: +/- 10%
- * Combination single-turn potentiometer and On/Off switch
- * 1/20 hp motor, 50/60 HZ, 90 to 130 VAC, .7 Amps
- * Dimensions: 9 1/8 x 8 5/8 x 5 3/8"
- * Compact, rugged, stackable design
- * 6' cord with U.S. standard plug

PART NO.	DESCRIPTION
J004-065B	MASTERFLEX FIXED SPEED DRIVE (60 RPM)
J004-068B	MASTERFLEX VARIABLE SPEED DRIVE FOR SINGLE PUMP HEAD(50-600 RPM)
J004-067B	MASTERFLEX VARIABLE SPEED DRIVE FOR UP TO 2 PUMP HEADS (10-120RPM)



Masterflex Variable Speed Drive (#J004-069B)

MASTERFLEX VARIABLE SPEED DRIVE WITH REVERSE SWITCH

Single-turn potentiometer with separate Forward/Off/Reverse switch lets you maintain your flow rate setting when you turn the pump off. Soft-start and feed-back control features promote good flow control and long service life.

SPECIFICATIONS:

- * 1/10 hp, 90-130 VAC, 50/60 Hz, 1.5 amps
- * Dimensions: 11 x 7 x 7"
- * Compact, stackable design
- * 6' cord with U.S. standard plug

PART NO.	DESCRIPTION
J004-069B	MASTERFLEX VARIABLE SPEED DRIVE for up to 2 pump heads (6-600 rpm)
J004-070B	MASTERFLEX VARIABLE SPEED DRIVE for up to 4 pump heads (1-100 rpm)

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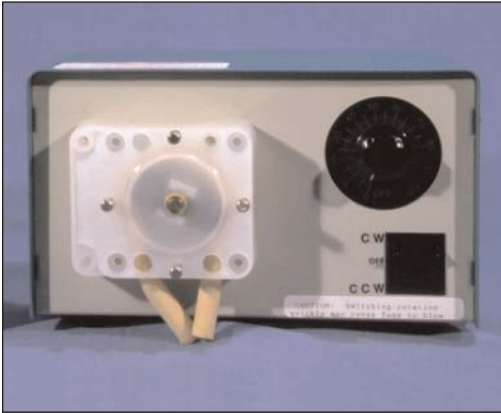


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CON-TROL-CURE®

PERISTALTIC PUMPS



COMPACT PERISTALTIC PUMPS

The Compact Peristaltic is a positive displacement pump designed for ease of transporting inks, coatings, solvents and other liquids from drums, pails and containers to application or mixing equipment. Advantages of using CON-TROL-CURE's Compact Peristaltic Pump are ease of clean-up, minimum maintenance, simple non-technical operation and affordability.

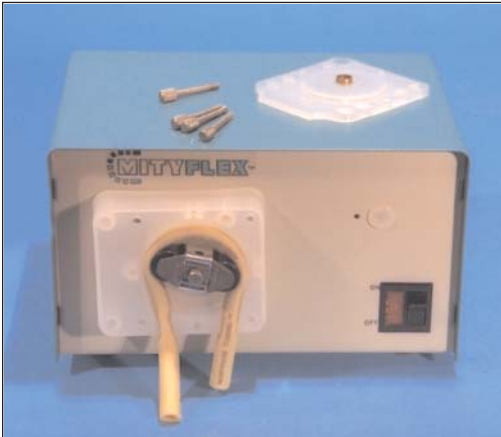
The peristaltic principle is based on the use of flexible tubing, which is mechanically squeezed to produce pumping action. While the Compact Peristaltic pump uses rollers to produce this action, cams are also used.

While other pumps require long, tedious clean-up especially when changing colors or type of ink, the Compact Peristaltic also offers easy cleaning and a 2-minute tubing changeover. Since the only contact of material being dispensed is the tubing, cleaning the pump is done by pumping a cleaning solution through the tube, or by taking out the contaminated tube from the pumphead and replacing it. Secured by four wingnuts, the pump head may be disassembled quickly with no tools.

To reduce downtime further, keep one extra pump on-hand for each color for immediate changeover for most applications.

The Compact Peristaltic has no check valves or other components in the fluid/air stream. This means less maintenance due to fewer movable parts. Since the roller completely closes the tube, the roller acts as a valve when it stops which also establishes a non-siphoning pump action. Fully self-priming up to 28 feet, the Compact also delivers highly accurate metering capability.

The working pressure range of the Compact Peristaltic is 0 to 20 psi. Maximum operating pressure is 25 to 35 psi. Since most metering applications are open-ended, pressure is not a usual requirement.



BENEFITS:

- * Low cost
- * Easy to operate
- * Simple clean up
- * Minimum maintenance
- * Chemical and Corrosion Resistant
- * Smooth and stable pump flow
- * Versatile for use in many applications
- * Quick product changeover reduces down time



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PERISTALTIC PUMPS

COMPACT PERISTALTIC PUMPS cont.

The Compact Peristaltic Pump lends itself to computer control with proven success in many applications. In chemical dispensing, sampling, and Original Equipment Manufacturers (OEM), applications include the following:

- * UV inks and coatings
- * Screen print inks
- * Solder flux pump
- * Mixing photo chemicals
- * Circuit board process solutions
- * Phenol solutions
- * Polymer solutions and slurries
- * Transfer meter concentrated dye solution
- * Pump discharge of excess coating material
- * Filter plating solutions
- * Aqueous film coating
- * Photographic solutions
- * Latex
- * Emulsions
- * Catalyst pump
- * Litho plater
- * Circulation of aqueous

IMPORTANT NOTE: COMPACT PERISTALTIC PUMPS SHOULD ONLY BE USED WITH NON-FLAMMABLE MATERIALS.

The Compact Peristaltic Pump is available in three models

1. Variable Speed Model
2. Fixed Speed Model
3. OEM (Original Equipment Manufacturers) Model

GENERAL PUMP SPECIFICATIONS:

- | | |
|-------------------------|---|
| * Flow rate range: | From .3 ml/min to 1000 ml/min |
| * Complete components: | Drive and Pumphead |
| * Tubing size: | 1/4" (Inside Dimension) |
| * Working pressure: | Minimum of 0-20 PSI (Continuous)
Maximum of 25-35 PSI (Intermittent) |
| * Viscosity: | Handles up to 2000 centipois |
| * Max. operating temp.: | 175 degrees Fahrenheit |
| * Options: | Dual Pump Head |

VARIABLE SPEED COMPACT PERISTALTIC PUMP

The variable speed model is ideal for use with varying job requirements and may be standardized for sampling or testing. Its changeable speed makes it highly versatile for most applications. It features the convenience of a reversing switch which when activated, reverses the flow of the ink or material back from where it was being transferred.

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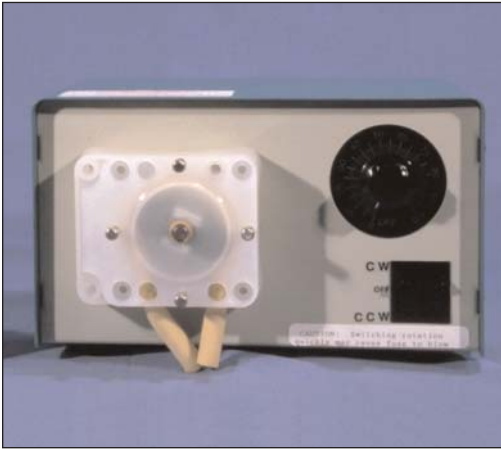
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CON-TROL-CURE®

PERISTALTIC PUMPS



Variable Speed Compact Peristaltic Pump (#J432-001)

VARIABLE SPEED COMPACT PERISTALTIC PUMP cont.

SPECIFICATIONS:

- * Special Design: Solid state speed control
- * Special feature: Reverse flow capability
- * Enclosure: Rugged metal housing
Polyurethane painted steel
Scuff resistant finish
- * Flow Range: 65 to 870 ml/min
- * Pump Head: Single
- * Voltage: 115/60 Hz
- * Weight: 7 lbs.
- * Dimensions: 4-3/8" x 6-1/8" x 6-1/8"
- * Options: Dual Pump Heads

PART NO.

J432-001
J004-074C

DESCRIPTION

VARIABLE SPEED COMPACT PERISTALTIC PUMP
UV GRADE REPLACEMENT TUBING
Inside Dimension: 1/4"



OEM Compact Peristaltic Pump (#J432-003)

OEM COMPACT PERISTALTIC PUMP

The OEM model is offered to add to your full production line. It's compact design is flexible for adapting into nearly any 3rd party system.

SPECIFICATIONS:

- * Components: Drive and pump head
- * Special Design: Lightweight. Reversible. In-line capability
- * Enclosure: Equipped with 18 gauge. CRS zinc plated.
mounting plate
- * Flow Range: 3.0 to 1000 ml/min
- * Voltage: 12 or 24 VDC
- * Weight: 3.5 lbs.
- * Dimensions: 5 x 3-3/4" (w x l) mounting plate
- * Tubing Size: 1/4" (Inside Dimension)
- * Operating Pressure: Minimum of 0-20 PSI (Continuous)
Maximum of 25-35 PSI (Intermittent)
- * Viscosity: Handles up to 2000 centipois
- * Max. Operating Temp: 175 degrees Fahrenheit
- * Optional: Dual Pump head

PART NO.

J432-003
J004-074C

DESCRIPTION

OEM COMPACT PERISTALTIC PUMP
UV GRADE REPLACEMENT TUBING
Inside Dimension: 1/4"

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CON-TROL-CURE[®]

PERISTALTIC PUMPS



Mini Peristaltic Pump (#J004-002)

MINI PERISTALTIC PUMP

This CON-TROL-CURE™ Peristaltic Pump is ideal for small volume applications of medium viscosity inks and coatings. It provides a sure method of pumping materials without contamination. Materials are squeezed through the tubing at a flow rate of 2 gallons per minute. The pump is self-priming, with 1/2" ID hose connections. Lightweight and portable, weighs only 19 lbs.

FEATURES:

- * Excellent chemical resistance
- * Pumps a wide variety of chemicals.
- * Tubing and nylon fittings are the only parts of the unit in contact with materials being pumped.
- * Self priming up to 15 feet.

SPECIFICATIONS:

- * Electric motor: 1/4 HP, 115 volt, 60 cycle, drip proof, resilient mounted, 48 NEMA frame, close-coupled to pump
- * Approximate weight: 19 lbs
- * Chemically resistant vinyl tubing conveys material being pumped.
- * Abrasion resistant nylon tube fittings for 1/2 inch I.D., external connections.
- * Equipped with handle for easy carrying

PART NO.	DESCRIPTION
J004-002	MINI PERISTALTIC PUMP

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