

Peri-Star™

High performance digital peristaltic pumps at an affordable price!



PUMPS, FLUID HANDLING

Peri-Star™ pumps are high precision peristaltic pumps with minimal pulsation and low noise. These pumps can deliver fluids flow at rates of 0.1 to 300-mL per minute. A unique planetary gear design with eight actively driven rollers (four rollers for higher flow rate model), together with independent tubing compression fine adjustment, greatly reduces tubing wear and prolongs tubing life. Eight precision stainless steel rollers provide high pressure with minimal pulsation. The pumping head is supplied with dual tubing channels or four channels. Both have an easy tubing loading mechanism with overflow protection in case of tubing rupture. A high-speed priming button allows a quick prime that removes the air without affecting the normal operating speed setting.

A controller with a four-digit LCD digital display and a simple membrane keypad layout provides easy operation. The digitally controlled stepping motor provides accurate and reproducible operation with 0.1% resolution. Peri-Star pumps operate both forward and in reverse and can be remotely controlled using TTL input and 4-20mA control signal accessed via a DB-9 connector on the rear panel.

500291	Peri-Star™ Peristaltic Pump, 2 channel (110V), 0.1-80mL/min
500304	Peri-Star™ Peristaltic Pump, 2 channel (220V), 0.1-80mL/min
500333	Peri-Star™ Peristaltic Pump, 2 channel (110V), 0.1-300mL/min
500334	Peri-Star™ Peristaltic Pump, 2 channel (220V), 0.1-300mL/min
500328	Peri-Star™ Peristaltic Pump, 4 channel (110V), 0.1-80mL/min
500875	Peri-Star™ Peristaltic Pump, 4 channel (220V), 0.1-80mL/min
500320	Silicone Tubing, 1m length, 1.6mm I.D., 1.6mm wall thickness

PERI-STAR™ SPECIFICATIONS

	500291	500333	500328
NUMBER OF ROLLERS	8	4	8
NUMBER OF CHANNELS	2	2	4
ROTOR SPEED RANGE	0.5 -100 rpm	0.5 -100 rpm	0.5 -100 rpm
FLUID FLOW RANGE	0.1 - 80 mL/min	0.1 - 300 mL/min	0.1 - 80 mL/min
TUBING RANGE	0.2-3 mm ID 0.8-1.5 mm wall thickness	3-6 mm ID 0.8-1.5 mm wall thickness	0.2-3 mm ID 0.8-1.5 mm wall thickness
WORKING ENVIRONMENT	0 ~ 45 OC, Humidity < 80%	0 ~ 45 OC, Humidity < 80%	0 ~ 45 OC, Humidity < 80%
POWER	*30W, 110 V or 220 V AC. 50 - 60 HZ.	*30W, 110 V or 220 V AC. 50 - 60 HZ.	*30W, 110 V or 220 V AC. 50 - 60 HZ.
DIMENSIONS	176 x 150 x 258 mm	176 x 150 x 258 mm	176 x 150 x 258 mm
SHIPPING WEIGHT	11 lb / 5 kg	11 lb / 5 kg	11 lb / 5 kg