

Peristaltic Pump for Catheter Washing and Cooling



The 400/RX1 peristaltic pump is ideal for catheter washing and cooling applications requiring pressures to 100 psi or flow rates up to 80 ml/min, featuring ergonomic and error-free tube loading and unloading, a clear guard for full view of pump operation and guard-open safety switch. The pump is available to medical device OEMs as a complete plug-and-play cased pump or as a panel mount unit.

With no seals or valves, Watson-Marlow peristaltic pumps offer contamination-free pumping and are easy to use. The peristaltic pumps are available with custom configurations for fast delivery and lean manufacturing in applications including irrigation, washing and cooling, vacuum and aspiration, and reagent dilution and sampling.

The 400/RX1 peristaltic pump achieves high pressure by using precision machined components and a spring loaded track to maintain occlusion of the tubing under high pressure. All fluid being pumped is completely contained within the tubing, so cleaning the pump is as simple as replacing a disposable tube-set. The pump has a unique cover/loading lever that lifts the track when opened to facilitate loading of the disposable tubing. The tube loading procedure is intuitive and fool-proof, and there are no extensive tools, adjustments, or training required. The cover comes with an integrated switch that can be wired to turn the pump off when the cover is opened. When closed, the clear cover gives a full view of the pump operation, and verification that the tube is loaded correctly.

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The pump accepts tube sizes from 1/6 to 3/16 in. ID, and has four stainless steel rollers for low pulsation of the flow stream. The rollers use low-friction ball bearings for optimum tube life at high pressures.

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