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Watson-Marlow's Pumpsil-D brings accurate and precise dispensing tubing to the market

Driven by increased demand for accurate dispensing, Watson-Marlow, a leader in peristaltic technology, has developed Pumpsil-D, a revolutionary new platinum-cured silicone tubing offering unrivalled dispensing accuracy and precision. The tubing is already being widely used within the pharmaceutical industry.

The nature of the tube offers superior resistance to fatigue stress and improved restitution after compression during the pumping action. For example, the restitution in a normal platinum-cured Silicone tube deteriorates at a much higher rate over a period of time compared to Pumpsil-D which is incredibly resistant to permanent deterioration, delivering accurate and precise dispensing.

Pumpsil-D is a unique material developed through careful selection of raw materials, close monitoring of the extrusion process and post-curing of the extruded tubing. The post-curing process allows cross-linking between the silicone molecules, resulting in tighter bonds, which maximise resistance to flexing stress.

Martin Johnston, Product Manager, Watson-Marlow said: "Pumpsil-D is the result of over two years research and development, including a six-month testing period of trialling the product both internally and at customer sites. Over 80% of customers involved in the trial are now using it as a selected product in their facilities.

In addition to the improvements in accuracy, Pumpsil-D also offers an ultra-smooth bore, helping to reduce protein binding and bacterial growth, making it ideal for clean, accurate environments."

Watson-Marlow is a leader in peristaltic technology, supplying pumps for a range of environments from the pharmaceutical industry to heavy industrial plants. The company has invested heavily in a £1.4 million tubing extrusion plant which offers a state of the art Class J10,000 clean room based at its Falmouth site, Cornwall.

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Notes to editors

Watson-Marlow Bredel is the largest manufacturer of tube and hose pumps in the world, with over one million pumps sold.

Watson-Marlow Bredel pumps have no valves, seals or glands, and the fluid contacts only the bore of an elastomeric hose or tube. Because they are simple to install, easy to operate and quick to maintain, they are the world's fastest-growing pump type for flows from microlitres to 80 cubic metres an hour and pressures up to 16 bar.

Watson-Marlow Alitea, adds further competencies in the area of high precision, low-flow pumps for OEM applications.

Part of the Spirax-Sarco Engineering Group, Watson-Marlow Bredel Pumps is an international operation based in Falmouth, Cornwall, UK. Watson-Marlow Pumps has offices in Belgium, Brazil, China, France, Germany, Italy, Korea, Malaysia, the Netherlands, South Africa, Sweden and the USA.