Twin Power Solenoid Valve Technology

The Type 6624 microfluidic valve from Burkert Life Science combines the industry-proven rocker principle of Burkert's Type 127 valve with a highly innovative new actuator. Known as the Twin Power, this dual-solenoid design allows the use of a smaller valve with lower power consumption and improved reliability, without sacrificing performance.
Smaller, faster, stronger. The Type 6624 is a 10mm wide, fluid-separated rocker valve with a 1.6mm orifice and a pressure resistance of up to 2bar (30psi), providing the same flow and pressure resistance as a traditional 16mm valve, while taking up 54 percent less space.

In addition to size reduction, another innovative feature of the Twin Power design is integrated power-reducing ("hit and hold") electronics. This decreases energy consumption by 75 percent, which reduces the risk of heat transfer between the coil and the media.

Further benefits of the new Twin Power rocker valves include a more robust separating diaphragm and a low dead volume fluid cavity, resulting in less carryover, better flushability, and better cleanability. By offering high performance wetted materials, such as PEEK, FFKM (Simrez and Kalrez), FKM, and EPDM, the Type 6624 valve can handle most aggressive fluids without deterioration or loss of performance.

Available in both 2-way and 3-way versions, the Type 6624 microfluidic valve with Twin Power technology is a 10mm valve that can replace virtually any 16mm valve in the marketplace, reducing space and power consumption without sacrificing reliability or performance.

Burkert Life Science systemhaus, located in Charlotte, NC, is an ISO 9001 certified

supplier of microfluidic products, subassemblies, and complete system solutions. Capabilities include engineering and design consultation, flow simulation, CNC manifold machining, fabrication of sheet metal brackets and enclosures, welding, electronic integration, rapid prototyping, reliability testing, automated assembly and testing, and support for lean manufacturing through KanBan and JIT delivery systems. www.burkert-usa.com [1]

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