

CASE STUDY

Versatile Valve Offering
Improves Chemical Subsystem
in Semiconductor Fab

FURON®

Pure Performance

www.processsystems.saint-gobain.com

The Challenge

A Saint-Gobain customer works very closely with one of the largest chip manufacturer's integrator. The role of this company is to service a subsystem of a tool that was installed some years ago and controls pressure and flow in a polishing system. Because the subsystem utilized a variety of parts of different brands, the integrator was challenged by inconsistent mounting patterns as well as product availability.

Saint-Gobain Solution Combines a Premium Product and Custom Service

A collaboration between the integrator and Saint-Gobain engineers determined the need to create a kit solely of Saint-Gobain parts. Featured in this new kit would be the Furon® Q-Valve, which offers tremendous versatility in both installation and availability.

To ensure no disruption in production, the customer needed three kits to be installed immediately. The kits consisted of valves (Furon® HPVM and Q-Valve), check-valves (Furon® Large Check Valve) and pressure regulators (Furon® UPRP).

In order to prove the performance of the Furon® Q-Valve, the integrator was provided with Saint-Gobain's robust test data, which included cycling and performance testing. All other components were already being used by the end user on another application and consequently were pre-approved.

In parallel, the customer partnered with Saint-Gobain's production team to develop a schedule, ensuring product availability to meet the customer's stringent lead time requirements.

As a result of Saint-Gobain's collaboration and custom service solutions, the end user's repair downtime has been reduced for its polishing system; the integrator can rely on a premium product line for consistent safety and availability; and the Furon® Q-Valve has been specified in a new capacity at one of the most demanding chip manufacturer in the world.

Customer Experience

Not only did Furon® valves, pressure regulators and fittings enable our customer to produce a tool that utilized a single manufacturer and met stringent part lead time, but Saint-Gobain's solution worked so well during its trial at the end user's facility its use has now been expanded to another facility.



Furon® Q-Valve - Pneumatic



Furon® UPRP Pressure Regulator