

Sterile Valve Clusters: The RWS SVC

Design

Furnish

Install

Control

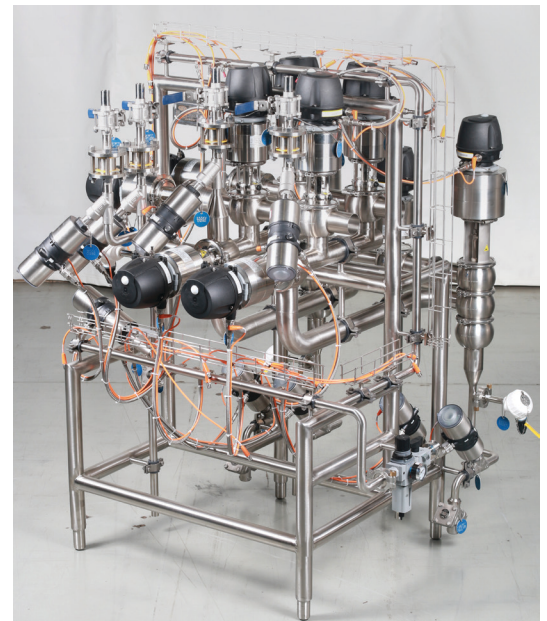
Equipment, Systems & Control for Safe & Sterile Transfer of Product & Other Mediums Between Storage & Packaging

At RWS Design & Controls, our mission is to be recognized as your trusted source for reliable sanitary processing, with our specialty being aseptic and ESL technology. Our years of experience in this discipline have resulted in superior designs for all of your sterile storage and transfer of UHT treated product. We understand the magnitude of PMO, 3A and all regulatory guidelines and design our systems accordingly. We are experts in providing the right solutions for your sterile processing. RWS sterile valve manifolds are available as stand-alone units in many configurations, or as an add-on to enhance an existing system. The RWS sterile valve clusters also complement our large selection of sterile surge tanks and processing systems. The RWS sterile valve cluster is a key component in a superior aseptic process design. With numerous configurations available, let RWS demonstrate our expertise in managing the transfer of all fluids involved in your process.

The RWS Sterile Valve Cluster

RWS designs, engineers, furnishes, installs, integrates, and automates Sterile Valve Clusters (SVC) that:

- Offer numerous configurations specific for your application.
- Include the right selection of valve for maintaining the exact conditions you require. RWS designs and manufactures our sterile valve cluster using industry leading technology from select vendors, designed precisely to your requirements.
- Depending on process complexity and required level of safety, RWS clusters offer single, or multi-level sterile steam barriers.
- All RWS designs maintain adherence to strict PMO and other regulatory guidelines and are designed to maximize efficiency and minimize down time.
- Multi-zone designs for routing flexibility between multiple surge tanks and fillers, or between single or multiple UHT processors and surge tanks.
- Offer double block and bleed protection.
- Include complete isolation between CIP, sterilization and production.
- Lifting of product valve seats during CIP.
- Numerous smart-top valve positioning and feedback options available for every cluster.





Principles of Operation

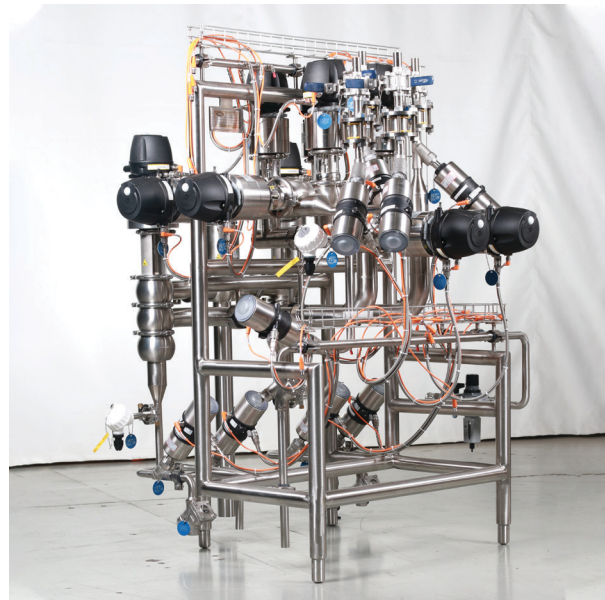
The RWS sterile valve cluster is used in several applications and locations throughout a typical dairy, beverage, or similar aseptic process. Utilizing state-of-the-art technologies and industry leading principles of design, the RWS sterile valve cluster separates sterile storage from sterile filling, while monitoring critical control points constantly. This provides ultimate flexibility to meet production needs while maintaining superior product integrity. The RWS SVC also allows for complete CIP cycles during normal production.

Automation & Control

As experts in automation, process instrumentation and control, all RWS valve clusters are fabricated with a variety of leading control and feedback architecture. Our systems are available as retrofit design for existing applications or designed specific for your new product line. Standard RWS designs utilize industry leading OEM technology such as Ignition™, Factory Talk™ and Wonderware™, or we are pleased to fabricate with any of your preferred automation platforms.

Typical Installations & Benefit of Factory-Built Skidded Designs

Our valve manifold skids are installed in hundreds of installations throughout the USA. They are found throughout dairy, beverage and many other sanitary processing industries. Our satisfied customers have benefited from the RWS designed valve cluster in many ways, including reduction in downtime, cleaning, increased sterility, longer run time and a more sterile environment. At RWS we design the modular process skids within our family of products with superior OEM equipment. Our skidded products offer fast lead times compared to site built systems, enhanced quality measures from in-house fabrication and cost savings that can amount to significant value for our customers. Our equipment can also be tested at our factory for added assurance.



About RWS Design & Controls

The sanitary processing experts at RWS are at your disposal to design, furnish, install, integrate, and automate your processing solutions. From concept to completion, we are well equipped to meet your complete project needs utilizing the latest technologies, while adhering to all regulatory requirements. Our dedicated team of experts and professionals welcome the opportunity to demonstrate our capabilities and solve your existing processing needs. We invite you to join the list of many delighted customers who realize that RWS Design & Controls can really make a difference.