

# STERIVALVE®



## Steridose providing the perfect mix

The Sterivalve range provides high performance flow control for pharmaceutical and biopharmaceutical liquid processes. Using a hydrodynamically optimized design, the Sterivalve combines the best features of a piston valve with the inherent cleanability of a flat diaphragm valve. This combination of features ensures that the Sterivalve offers the unique combination of low flow resistance together with a proven hygienic design. The Sterivalve is made from durable materials with a robust construction, which combined assure a long service life under demanding conditions.

## Hygienic design for biopharmaceutical applications

The Sterivalve has a unique patented design using a configuration in which the valve diaphragm is clamped between the valve body and the actuator. All moving parts in the actuator are completely isolated from contact with the process fluid and tools are not required for disassembly or service for most valve sizes. Both the valve housing and the piping connections are self draining without dead-legs. By specifying the Sterivalve, the total number of valves in a system may be reduced by up to 30% in comparison with traditional flat diaphragm valves. This will result in a reduction in hold up volume of the complete piping system.

## CIP and SIP performance

The Sterivalve has been used and validated in a wide range of clean and sterile processes worldwide. The design of the housing, which features a low residual internal volume, ensures optimal velocity of cleaning agents during the CIP process. The self-draining and open internal structure of the valve housing also ensure safe and reproducible CIP and SIP performance; thus avoiding the risk of bacterial and endotoxin contamination, or undesirable temperature gradients. It is also possible to clean and sterilize both the inlet and outlet pathways of the Sterivalve in the closed position if required. These features enable the process engineer to design an efficient piping system with optimized and risk-free product flow.

## Total quality concept

The manufacturing of Sterivalve is quality assured and certified in accordance with ISO 9001 and benefits from our extensive experience within the pharmaceutical industry.

### General Specifications

Valve housing	316L, other material on request
Surface Finish	Ra 0,4µm, electropolished
Valve size	0.5" to 3"
Outlet connections	Butt weld (BW), TC- ends
Standards	ASTM, other standards on request
Option	Steam port, CIP/SIP satellite valve
Actuator	Manual or pneumatic, Stainless steel or plastic, Inductive or microswitch actuator indicators. Option Atex indicators
Diaphragms	Silicone, EPDM and PTFE, USP <88> Class VI

