

SAMSON

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Control Valves for Aseptic Applications

Type 3349

- Valves for aseptic applications in the life sciences market
- Diaphragm seal prevents contamination of the process
- Easy to clean (suitable for CIP and SIP), cavity-free design
- High-quality materials compliant with FDA and USP Class VI as well as EC Regulation 1935/2004
- High control accuracy with digital positioner
- Easy installation in tight spaces
- Easy maintenance
- Wide range of versions





Technical data

Valve sizes	DN 8 to 100
Pressures	Max. 10 bar
Temperatures	0 to 160 °C
Aseptic connections	Welding ends, aseptic flanges, clamps, threaded ends etc.

Advantages	How?	Why?
Aseptic design	Use of a diaphragm stem seal	No risk of contamination
Easy to clean	Cavity-free design and controlled surface roughness (internal and external), self-draining design (suitable for CIP and SIP)	No risk of contamination
High-quality materials	Use of 1.4435 as standard (delta ferrite content <1 %), all wetted materials approved according to FDA and USP Class VI (121 °C) as well as EC Regulation 1935/2004	No risk of contamination
High control accuracy	Use of plug with engineered characteristic (linear or equal percentage), wide range of K_{VS} coefficients, shape of body optimized for perfect flow control	Optimized processes
Compact design and light weight	DN 25 valve 60 % narrower and 50 % lighter than a solution with a Type 3271 or 3277 Pneumatic Actuator	Easy integration
Easy maintenance	Comprises very few parts. Main wetted parts (plug and diaphragm) easy to replace	Fewer resources required for maintenance