

SISTO-C

Diaphragm Valves for Aseptic Applications



SISTO Armaturen S.A.



USP



- Pharmaceutical industry
- Process engineering
- Biotechnology

- Life Science
- Chemical industry
- Food industry

- Beverage industry
- Water treatment
- Homogenisation



SISTO-C investment cast



SISTO-C additive

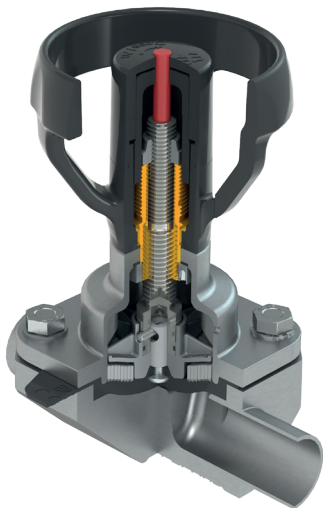


SISTO-C BAV-F

More information
www.sisto-aseptic.com



SISTO-C Diaphragm Valves for Aseptic Applications



Benefits

- **Hygienic design for high-purity fluids**
 - The valve's geometry without dead volume ensures optimum conditions for high-purity fluids, making it the ideal choice for sensitive applications.
- **Reliable sealing to atmosphere and absolutely tight**
 - The specially enclosed diaphragm provides absolutely tight shut-off as well as hermetic sealing to atmosphere and of all operating elements, ensuring maximum safety during operation.
- **Maximum service life, pressure limit and reliability**
 - The diaphragm is enclosed and spiral-supported for maximum diaphragm life and pressure limit. While the standard pressure limit is PN16, a pressure limit of up to 20 bar is also possible.
- **High functional reliability**
 - Balanced suspension of the diaphragm prevents mechanical damage and increases the valve's functional reliability.
- **Straightforward installation and easy identification of drain angle**
 - The self-draining design enables straightforward installation. The drain angle is easily identifiable thanks to high-precision laser marking.
- **High operating reliability**
 - The stem and all internal operating elements are not in contact with the fluid, enabling durable and reliable handling.
- **Energy-efficient due to optimised design**
 - Improved hydraulic profile reduces pressure losses and increases energy efficiency during operation.

Technical data

Operating properties

Characteristic	Value
Nominal pressure	PN 16
Nominal size ¹⁾	DN 6 - 200
Max. permissible pressure [bar]	16
Min. permissible temperature [°C] ²⁾	≥ -20
Max. permissible temperature [°C] ²⁾	≤ +160
Control fluid	Compressed air ³⁾ (min. 5.5 bar) (max. 7.0 bar)

¹⁾Smaller and larger nominal sizes available on request

²⁾The temperatures indicated are for orientation only; they are not valid for all operating conditions.

Materials

Component	Material
Body	1.4435/ 316L; 1.4539/ 904L and various Hastelloy grades
Bonnet	1.4409
Diaphragm	SISTOAseptiXX EPDM SISTOAseptiXX TFM/EPDM, bonded SISTOAseptiXX TFM/EPDM, 2-piece

