

## 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](http://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 confined 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 confined 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 <sup>1)</sup>	DN 6 - 200
Max. permissible pressure [bar]	16
Min. permissible temperature [°C] <sup>2)</sup>	≥ -20
Max. permissible temperature [°C] <sup>2)</sup>	≤ +160
Control fluid	Compressed air <sup>3)</sup> (min. 5.5 bar) (max. 7.0 bar)

<sup>1)</sup>Smaller and larger nominal sizes available on request

<sup>2)</sup>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