

## SISTO-C

### Investment Cast Diaphragm Valves



**SISTO Armaturen S.A.**



USP



- Pharmaceutical industry
- Process engineering
- Biotechnology

- Life Science
- Chemical industry
- Food industry

- Beverage industry
- Water treatment
- Homogenisation



SISTO-C



SISTO-C additive

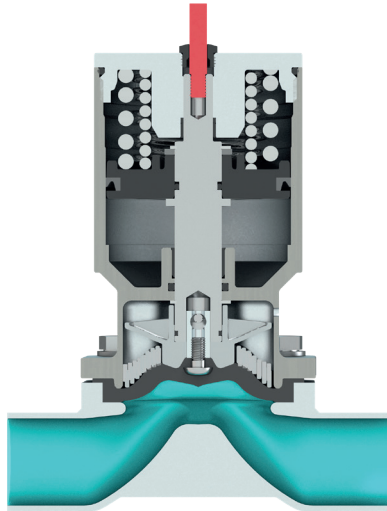


SISTO-C BAV-F

More information  
[www.sisto-aseptic.com](http://www.sisto-aseptic.com)



# SISTO-C Investment Cast Diaphragm Valves



## 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.
- **Energy savings by efficient hydraulic design**
  - Minimal pressure loss < 0.15 bar at 3 m/s enables optimised processes.
- **Light-weight design for easy handling**
  - Up to 50 % of weight saved compared to forged valve bodies
- **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.
- **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 self-drain angle is marked in the marking area.
- **High operating reliability**
  - The stem and all internal operating elements are not in contact with the fluid, enabling durable and reliable handling.
- **Surface finish**
  - Surfaces to ASME BPE, SF table (2.2-1 and 2.2.-2)

## Technical data

### Operating properties

Characteristic	Value
Nominal pressure	PN 16
Nominal size <sup>1)</sup>	DN 8 - 50 ISO ½" - 2 ½" OD
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
Bonnet	1.4409
Diaphragm	SISTOaseptiXX EPDM SISTOaseptiXX TFM/EPDM, bonded SISTOaseptiXX TFM/EPDM, 2-piece



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