

# SISTO-C Diaphragm valves for sterile applications



### Applications:

Hygienic and sterile handling of fluids in the food, beverage and pharmaceutical industries

### Further information:

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



SISTO-CM511



SISTO-CT



SISTO-CM1200

Your contact:

# SISTO-C Diaphragm valves for sterile applications



- Maximum service life and pressure limit (PN16)**  
 thanks to enclosed and spiral-supported diaphragm;  
 operating pressure up to 20bar
- Simplified installation and control of the drain angle**  
 Self-drained; drain angle indicated by laser marking
- Optimum conditions for fluid purity**  
 due to valve hydraulics without dead volume
- High energy efficiency**  
 Lower pressure losses thanks to optimized flow profile

- Excellent functional reliability**  
 The floating diaphragm suspension prevents damages of  
 the diaphragm
- Reliable operation**  
 The stem and all internal operating elements are not in  
 contact with the fluid
- Reliable sealing to atmosphere and absolutely tight shut-off**  
 The diaphragm provides hermetic sealing

## Materials

Body	1.4435 ; 1.4539 and different Hastelloy qualities
Bonnet	1.4409
Diaphragm	EPDM, TFM-bonded, TFM/EPDM 2-pieces

SISTO-C Kvs values			DIN 11866 series A	DIN 11866 series B	DIN 11866 series C
DN	NPS	MD	Kvs-value m <sup>3</sup> /h	Kvs-value m <sup>3</sup> /h	Kvs-value m <sup>3</sup> /h
6	1/4"	30	1,1	1,5	0,6
8	5/16"	30	1,8	2,2	–
10	3/8"	30	2,1	–	1,7
15	1/2"	30	–	–	2,1
10	3/8"	40	–	4,5	–
15	1/2"	40	5	5,2	2,6
20	3/4"	40	–	–	4,9
20	3/4"	65	11,8	14,7	–
25	1"	65	16,5	17,5	13,8
32	1 1/4"	92	34	43	–
40	1 1/2"	92	42,5	45,5	39
50	2"	115	65	69	62
65	2 1/2"	115	–	–	71
65	2 1/2"	168	137	149	–
80	3"	168	156	161	151
100	4"	202	245	255	237



USP



SISTO Armaturen S. A. • 18, rue Martin Maas • 6468 Echternach / Luxembourg  
 Tel. +352 325085-1 • Fax +352 328956 • Email: info@sisto-aseptic.com • www.sisto-aseptic.com

A KSB Company • KSB