



# CVS10M Maintainable Sanitary Check Valve

## Description

The CVS10M Maintainable Sanitary Check Valve is a non-slam spring-assisted check valve designed to prevent flow reversal in industries with strict cleanliness codes.

To accommodate various piping arrangements, the CVS10M check valve is available for both vertical installation and horizontal installation when self draining is not required.

The CVS10M Check Valve, with a 316L stainless steel body and seat, is fastened with a quick release clamp and elastomeric gasket body seal to permit fast and easy access to the internals for maintenance. The disc and seat are lapped to provide excellent shutoff.



Vertical option shown

## Features

- Meets 3A Standard 58-01
- Spring-assisted silent closing
- Horizontal or vertical installation
- Sizes ½" thru 4"
- 150 CWP, 108 ANSI Pressure Class
- 316L body and seat (A351 CF3M)
- 316 disc, spring and guide assembly
- Edge-guided disc: ½" thru 2"
- Edge/center-guided disc 2½", 3", 4"
- Lapped "metal" seat and disc
- Springs:
  - Low cracking pressures
  - .16 psig to .66 psig
  - Conical design
  - Electropolished finish
- Standard gasket body seal:
  - EPDM (300°F max temperature)
- Optional gasket body seal:
  - Tuf-Flex® <sup>(1)</sup> (300°F maximum temperature)
  - Viton® (400°F max temperature)
- CIP (Clean in Place)
- Clamped ends
- Seat leakage per MSS SP-61
- Options:
  - 15 Ra Internal Finish

## Pressure/temperature rating

Temperature (°F)	Pressure	Material Temperature Limit
100	150	
200	125	
300	115	EPDM, TuffFlex® <sup>(1)</sup>
400	105	Viton®

## Note:

<sup>(1)</sup> PTFE grafted to an EPDM rubber inner core. Good for steam applications. Meets USDA, FDA and 3A Sanitary Standards and U.S. Pharmacopeia Class VI Certification.

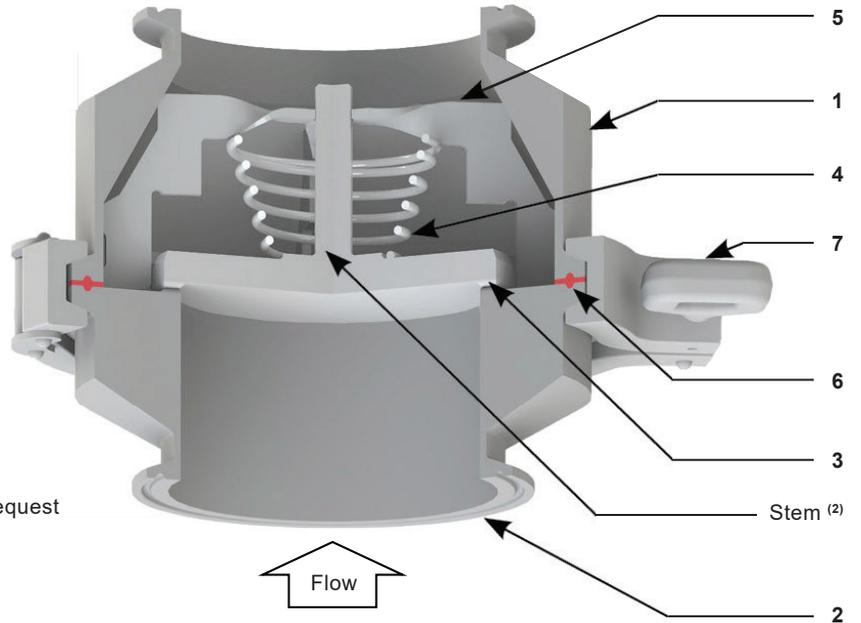
## Materials

No.	Part	
1	Body	A351 CF3M
2	Seat	A351 CF3M
3	Disc	316 SS
4	Spring	316 SS (electropolished)
5	Guide assembly	316 SS
6	Gasket body seal	EPDM (-75 °F to 300 °F)**
7	Clamp	304 SS

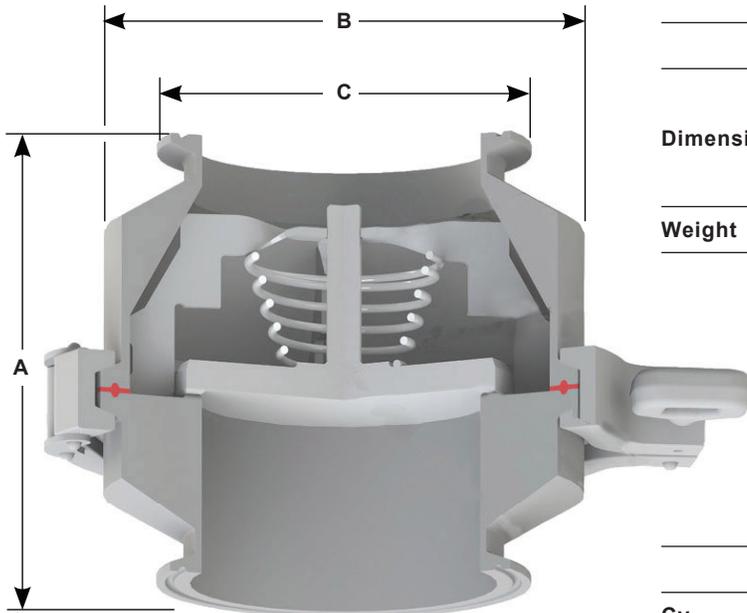
### Notes

\*\* Other gasket body seal materials available upon request

(2) Sizes 2½", 3", 4"



## Dimensions/weight (approximate) in inches and lbs



	½"	¾"	1"	1½"	2"	2½"	3"	4"
<b>Dimensions A</b>	2.50	2.25	2.92	3.29	4.03	5.56	4.38	5.50
<b>Dimensions B</b>	0.98	0.98	2.00	2.50	3.00	4.00	4.00	6.00
<b>Dimensions C</b>	0.98	0.98	1.98	1.98	2.52	3.05	3.58	4.68
<b>Weight</b>	1.4	1.3	2.3	2.8	3.9	9.9	6.1	14.9

\* Edge/Center Guided Disc

	½"	¾"	1"	1½"	2"	2½"	3"	4"
<b>Cv</b>	2.4	7	18	38	53	81	109	174
<b>CP Flow Down</b>	0.26	0.26	0.31	0.23	0.16	0.42	0.42	0.40
<b>Flow Up</b>	0.33	0.33	0.41	0.33	0.31	0.66	0.66	0.60

## Available spares

**Repair kit** (includes spring, EPDM body seal, disc and disc guide)