



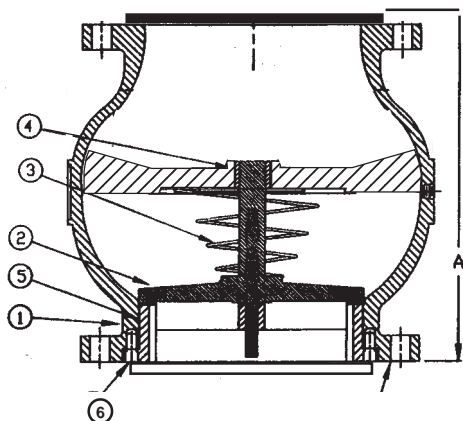
TITAN FLOW CONTROL
LUMBERTON, NC USA

FLANGED, RAISED FACE
SILENT CHECK VALVE
MODEL CV51-CS, CV51-SS

ANSI
150 lbs.

PRESSURE RATING

CV51-CS WOG - 285 PSI @ 100°F
CV51-SS WOG 275 PSI @ 100°F
Not recommended for Steam over 50 PSI



ANSI 150
CLASS FLANGES

BILL OF MATERIALS:

ITEM	NAME	STAINLESS	CARBON
	MODEL	CV51 - SS	CV51 - CS
1	Body	CF8M 316SS	WCB A216
2	Disc*	CF8M 316SS	CF8M 316SS
3	Spring*	A276 302SS	A276 302SS
4	Bushing*	A240 316SS	A240 316SS
5	Seat*	CF8M 316SS	CF8M 316SS
6	Seat Socket Head Bolts	316SS	316SS

*Recommended spare parts

- CS Body Epoxy Coated
 - Soft Seat available
 - All CS bodies are epoxy coated
 - Body material is Ductile Iron with a higher strength of 65,000 lbs/in than Cast Iron's 31,000 lbs/in
 - Ductile Iron Check Valves are rated at 250 PSI WOG, All sizes 2" thru 24"
- Cast Iron Check Valves are rated at 200 PSI WOG, sizes 2" thru 12" and 150 PSI WOG sizes 14" thru 24"

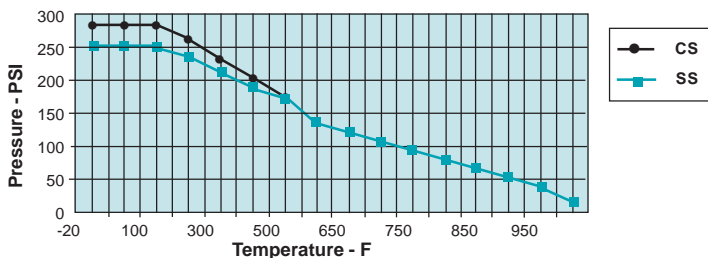
SIZE	in	2	2 1/2	3	4	5	6	8	10	12	14	16
	mm	50	65	80	100	125	150	200	250	300	350	400
A	in	5 1/4	5 1/2	6 1/16	7 3/8	8 1/2	9 3/4	12 5/8	15 5/8	14 1/4	15 3/4	17 5/8
	mm	133	140	168	187	215	248	321	397	362	400	448

Wt	lb	18	24	28	43	55	71	123	183	306	380	501
	kg	9	11	13	20	25	32	56	83	138	171	226

Cv	62	105	150	265	440	620	1150	1700	2500	3250	4100
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Approximate dimensions and weights. Apply for Certified Drawings.

Pressure Vs Temperature
CV 51 CS & CV 51 SS ANSI 150 lbs.



ORDERING CODE

- CV51-CS-S - Stainless Trim
- CV51-SS-S - Stainless Trim

TESTING

Seat Test = 1.1 x WOG PSI
Shell Test = 1.5 x WOG PSI
All Valves Individually Hydrostatically tested

Ordering Code _____
Size _____
Customer/Project _____
Inq./P.O. No. _____
Titan Order No. _____
Certified Correct By _____ Date _____



TITAN FLOW CONTROL, INC.

Silent Check Valve
CV51- CS-SS

Series	Size	Part No.	Material Trim Code	Drawing No.
				CV51-CS-SS

OPERATING PRESSURES/TEMPERATURES

MATERIAL	RATING	SERVICE	TEMP.	PSI
Carbon	150#	W.O.G.	100°F	285
Carbon	300#	W.O.G.	100°F	740
Stainless	150#	W.O.G.	100°F	275
Stainless	300#	W.O.G.	100°F	720

(not recommended for steam service)

METAL SEATS

Flat type seats are individually lapped to assure the best seal possible.

SOFT SEATS

BUNA-N, VITON and TEFLON O-RING seats are available. Consult factory.

SPECIAL SPRINGS

Special design springs can be furnished, which will permit the disc to lift at a predetermined differential pressure.

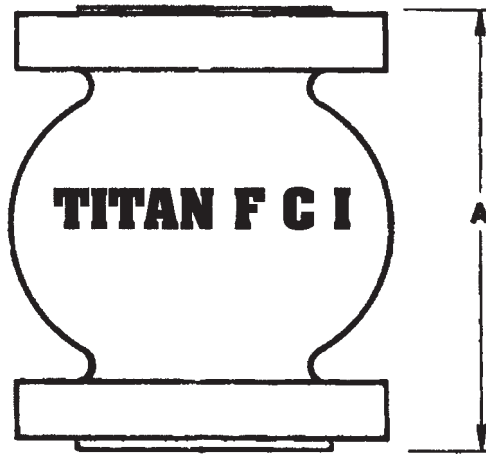
INCONEL springs are available for elevated temperatures.

“SPECIAL FEATURES”

• GUIDED DISC •

“Completely guided, both at top and bottom, makes it impossible to cock the disc regardless of the angle at which the valve is installed”.

Also, • CARBON STEEL IS EPOXY COATED •



OPERATING PRESSURES/TEMPERATURES

2" - 12"	200 psi @ 150°F
14" - 24"	150 psi @ 150°F
(not recommended for steam service)	

SERVICE APPLICATIONS

- Commercial HVAC
- Municipal Water Works
- Irrigation Systems
- Industrial Plant Systems

TESTING

All Valves are Individually, Hydrostatically Tested in accordance with ANSI test specifications.

“SPECIAL FEATURES”

• GUIDED DISC •

“Completely guided, both at top and bottom, makes it impossible to cock the disc regardless of the angle at which the valve is installed”.

and

- DUCTILE IRON at CAST IRON PRICE LEVELS •
- with
- EPOXY COATING •