



**TITAN FLOW CONTROL**

**LUMBERTON, NC USA**

WAFER TYPE

DUAL PLATE CHECK VALVE

MODEL CV47-CS & CV47-SS

**RATING:**

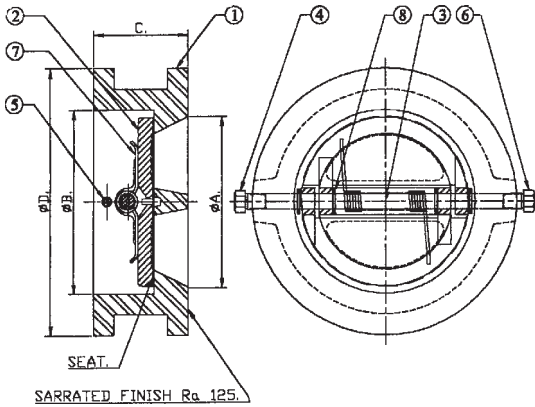
**ANSI #**

**900.**

**BILL OF MATERIALS**

SERIAL NO.	PART NAME	CV 47 - CS		CV 47 - SS	
		MATERIALS	CODE	MATERIALS	CODE
1	BODY	ASTM A-216 Gr. WCB	CS	ASTMA-351 Gr. CF 8M	S
2	DISC	ASTMA-351 Gr. CF 8M	S	ASTMA-351 Gr. CF 8M	S
3	HINGE PIN	AISI 316	S	AISI 316	S
4	NPT PLUG	AISI 316		AISI 316	
5	STOP PIN	AISI 316	S	AISI 316	S
6	NPT PLUG	AISI 316		AISI 316	
7	SPRING	AISI 316	S	INCONEL	R
8	BEARINGS	AISI 316		AISI 316	
9	BODY SEAT	METAL to METAL	5	METAL to METAL	6

\*STANDARD MATERIAL SHOWN  
OTHER OPTIONAL MATERIAL AVAILABLE SEE CATALOG  
ALL CARBON STEEL BODIES ARE EPOXY COATED

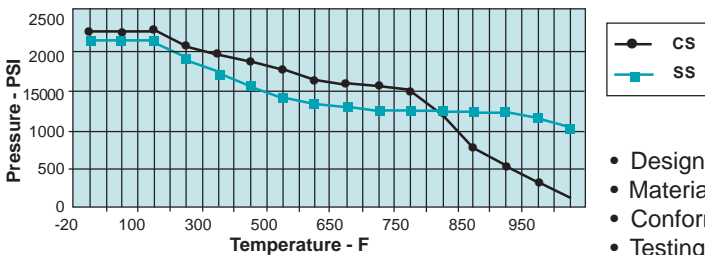


SARRATED FINISH Ra .125

**DIMENSIONS**

SIZE DN in.	2	2.5	3	4	5	6	8	10	12	14	16	18	20	24
SIZE DN mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600
OA in.	2	2.5	3	4	---	6	8	10	12	14	16	18	20	24
OA mm.	50	65	76	100	---	150	200	250	300	350	400	450	500	600
OB in.	2.375	3.000	3.625	4.625	---	6.70	8.62	10.62	12.62	14.62	16.62	18.62	20.75	24.75
OB mm.	60	75	90	115	---	170	215	265	315	365	415	465	520	620
C in.	2.750	3.250	3.250	4.000	---	6.250	8.125	9.500	11.500	14.000	15.125	17.750	17.750	19.500
C mm.	70	83	83	102	---	159	206	241	292	356	384	451	451	495
OD in.	5.625	6.500	6.625	8.125	---	11.375	14.000	17.000	19.625	20.500	22.625	25.125	27.500	33.000
OD mm.	142	165	168	206	---	288	358	434	498	520	574	638	698	838
Wt. in Lbs. ~	17.6	22.0	26.4	39.6	---	132	253	341.2	638	871	1166	1320	1386	2640
Wt. in Kgs. ~	8.0	10.0	12.0	18.0	---	60.0	115.0	196.0	290.0	396.0	530.0	600.0	630.0	1200.0
CV	62	110	175	350	---	850	1500	2400	3700	4500	5500	7500	9200	14000

**Pressure Vs Temperature**  
CV 47 CS & CV 47 SS ANSI 600 lbs.



Temperature limitation of Seat Material			
Seat	Temp. in °C	Temp. in °F	Seat code
BUNA-N	-30 to 120	-10 to 250	1
EPDM	-4 to 150	-20 to 300	2
VITON	-30 to 204	-60 to 400	3
METAL	-267 to 537	-450 to 1000	6

- Design ANSI B16-1, B16-34 & B16-5
- Material Per ASTM / ASME VIII Dev-2
- Conform to API594 & 6D
- Testing API 598

**RATING CS**  
2220 PSI WOG @ 100°F  
SEAT TEST = 1.1 WOG PSI  
SHELL TEST = 1.5 WOG PSI

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



**TITAN FLOW CONTROL, INC.**

**Dual Plate Check Valve  
CV47-CS & CV47-SS**

Series	Size	Part No.	Material Trim Code	Drawing No.
				<b>CV47-CS/SS</b>