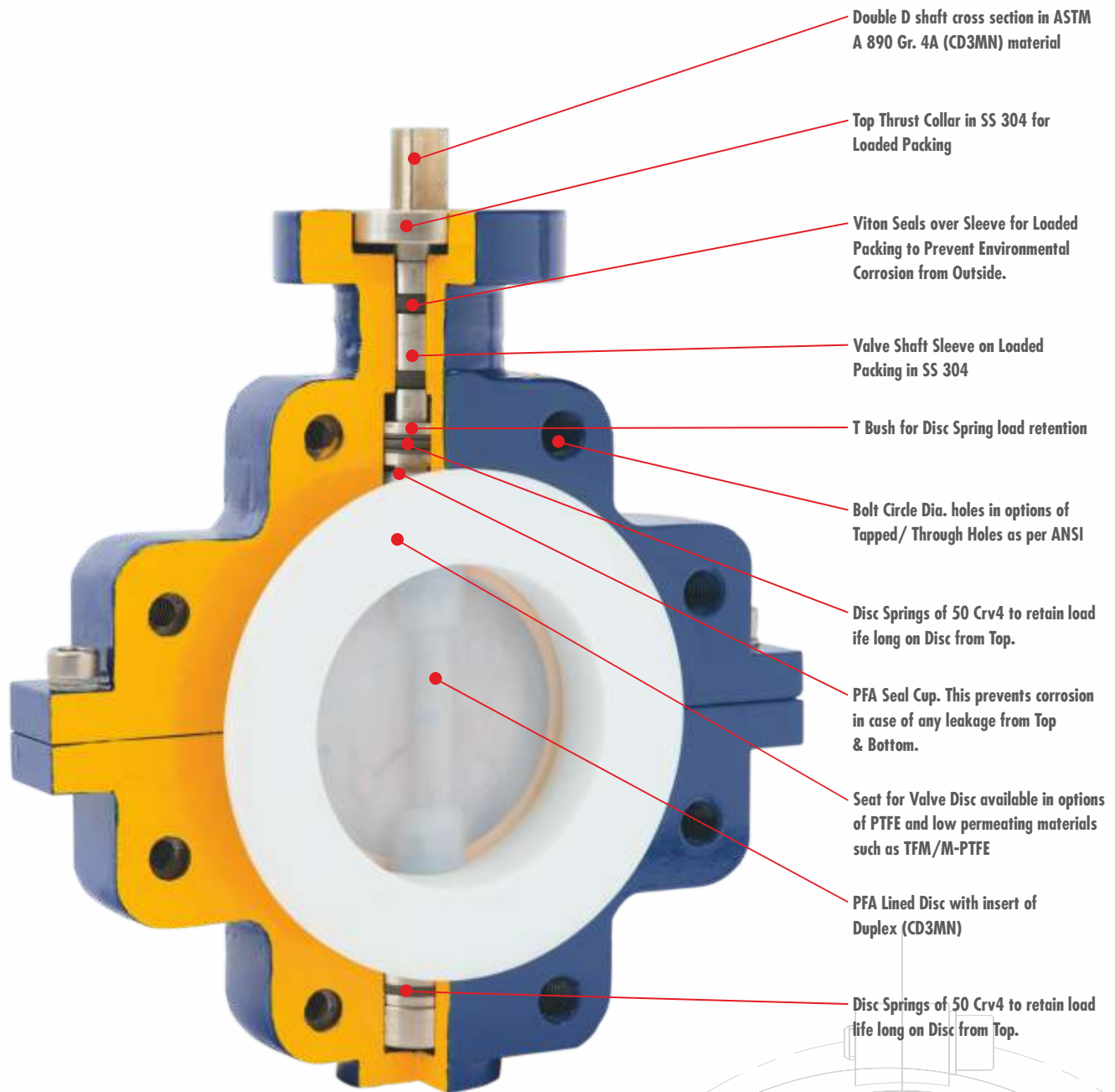


VALVE FEATURES



Double D shaft cross section in ASTM A 890 Gr. 4A (CD3MN) material

Top Thrust Collar in SS 304 for Loaded Packing

Viton Seals over Sleeve for Loaded Packing to Prevent Environmental Corrosion from Outside.

Valve Shaft Sleeve on Loaded Packing in SS 304

T Bush for Disc Spring load retention

Bolt Circle Dia. holes in options of Tapped/ Through Holes as per ANSI

Disc Springs of 50 Crv4 to retain load life long on Disc from Top.

PFA Seal Cup. This prevents corrosion in case of any leakage from Top & Bottom.

Seat for Valve Disc available in options of PTFE and low permeating materials such as TFM/M-PTFE

PFA Lined Disc with insert of Duplex (CD3MN)

Disc Springs of 50 Crv4 to retain load life long on Disc from Top.



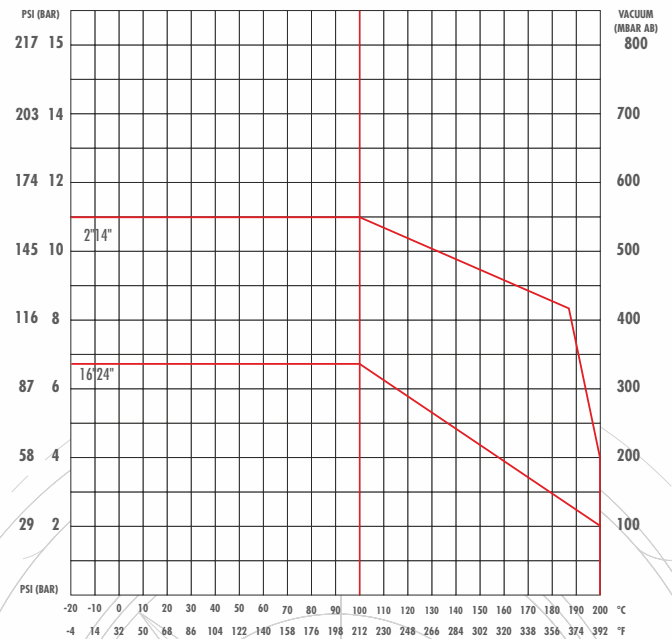
C_v VALUES FOR BUTTERFLY VALVE AT DIFFERENT POSITIONS

SIZE	20°	30°	40°	50°	60°	70°	80°	90°
2"	5.8	13	28	49	74	107	137	155
2.5"	9.3	22	47	81	125	180	232	263
3"	17	38	83	145	220	313	388	455
4"	23	56	110	188	296	447	563	678
5"	44	95	191	296	528	748	945	1177
6"	70	151	273	458	748	1108	1415	1734
8"	110	267	539	922	1369	2105	2796	3538
10"	203	406	824	1346	1867	2807	4234	5232
12"	307	605	1154	1995	3091	4599	6914	8363
14"	406	765	1369	2088	3341	5278	8329	10161
16"	591	1142	1717	2842	4907	7598	10730	13166
18"	771	1456	2587	4466	7250	10672	14210	17284
20"	1032	1879	3456	6206	9454	13688	18050	20880
24"	1125	2494	4849	8607	13166	19082	24592	28420

BREAK TORQUE VALUES FOR BUTTERFLY VALVES

SIZE	TORQUE IN Nm	TORQUE IN LB INCH
2"	30	265
2.5"	30	265
3"	30	265
4"	60	530
5"	110	972
6"	125	1105
8"	180	1591
10"	360	3183
12"	480	4243
14"	800	7072
16"	1200	10608
18"	2018	17840
20"	2460	21746
24"	3075	27183

PRESSURE - TEMPERATURE GRAPH FOR WCB+ PFA / PTFE LINED BUTTERFLY VALVES





WEIGHT / VALVE

SIZE	KGS.		LBS.	
	INCHES	WAFER	FULLLUG	WAFER
2"	5.00	6.50	11	14.30
2.5"	6.00	7.50	13	16.50
3"	7.00	8.60	15	19.00
4"	9.00	13.40	20	16.08
5"	20.00	23.00	44	50.60
6"	23.00	25.50	51	56.10
8"	26.00	30.50	57	67.10
10"	45.00	51.00	112	112.20
12"	62.00	75.00	136	165.00
14"	66.00	80.00	145	176.00
16"	112.00	135.00	246	297.00
18"	157.00	189.00	346	415.80
20"	288.00	346.00	634	761.20
24"	420.00	504.00	924	1109.00

CODE USED

TYPE OF VALVE	CODE
WAFER TYPE BUTTERFLY	BFWR
FULL LUG BUTTERFLY	BFFL

BODY CASTINGS	CODE
ASTM A 216 GR. WCB	C1
ASTM A 351 GR. CF8	C2
ASTM A 351 GR. CF8M	C3
ALLOY 20	C4
ASTM A 890 GR. 4A(CD3MN)	C5

TRIM INSERTS	CODE
ALLOY 20	T4
ASTM A 890 GR. 4A(CD3MN)	T5
SUPER DUPLEX	T6

OPERATION	CODE
LEVER	L
GEAR	G
BARE STEM	B

CODE USED

LINING MATERIAL	CODE
PFA	L1
FEP	L2
PVDF	L3
ETFE	L4
ANTISTATIC PFA	L7

SEAT WITH BACKING PADS	CODE
PTFE WITH SILICON	PS
PTFE WITH VITON	PV
TFM WITH SILICON	TS
TFM WITH VITON	TV

FASTNERS	CODE
SS 304	F2
SS 316	F3
HIGH TENSILE	F4
ASTM A 193 GR. B7	F5

LOCKING	CODE
PROVIDED	Y
NOT PROVIDED	N

SIZE													
2"	2.5"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
CODE													
02	2H	03	04	05	06	08	10	12	14	16	18	20	24

HOW TO READ

CODE	BFFLC1T5L1PSF5GN08	
VALVE TYPE	BUTTERFLY FULL LUG	BFFL
CASTING	ASTM A 216 GR. WCB	C1
TRIM INSERT	ASTMA 890 GR. 4A(CD3MN)	T5
LINING MATERIAL	PFA	L1
SEAT/LINER	PTFE WITH SILICON BACKING PADS	PS
FASTNERS	ASTM A 193 GR. B7	F5
OPERATION	GEAR	G
LOCKING	NO	N
SIZE	8"	08