

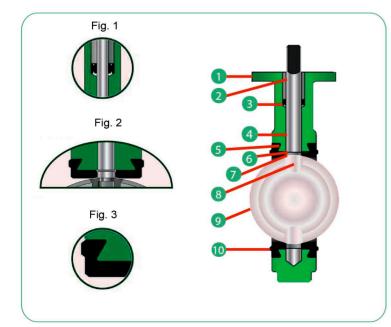
BUTTERFLY VALVE

contact@tfvusao.com www.**tfvusao**.com

1-866-TFV-USAO (838-8726)

TWO PCS RESILIENT SEATED BUTTERFLY VALVE





FEATURES

- 1. Bodies are machined to high tolerances, guaranteed standard dimensions for interchangeability of parts and actuators.
- 2. Top bushing is impact and corrosion resistant material. Protects the stem from side thrust of actuators.
- 3. Special double V-shape of stem seal self-adjusts to protect the stem area for either vacuum or pressure use. View Fig 1
- 4. Stem and body are isolated from line media by the seal created between the arch surface of the disc and the flat surface of the seat.
- 5. The TFV Ring Seal is a molded part of the seat. It is of special design so as to contain an o-ring creating a positive seal around stem as well as between seat and valve body. This positive secondary seal eliminates leakage into the stem journal as well as migration of line media behind seat. Ring seals are located at top and bottom and available in Buna-N. EPDM, Viton or Teflon. View Fig. 2
- The special snap-in Resil-O-Seat design fixes seat in place without banding. The Resil-O-Seat is 100% field replaceable (no special tools required). Resil-O-Seat available in a variety of materials including Teflon. View Fig. 3
- 7. Specially designed disc/stem prevents distortion of disc under high pressure. Thin disc allows for maximum open flow.
- 8. Two-piece body of 9LR Series and one piece disc/stem makes field replacement of seat and disc/stem quick and easy.
- 9. Disc edge is individually processed through machining for a smooth edge, providing a bubble tight shut-off and maximum seal life.
- 10. Molded O-ring in the Resil-O-Seat forms a seal against all standard ANSI flanges. Gasketing requirements are eliminated
- 11. Elastomer covered 17-4 stainless steel disc/stem is for use when abrasive or chemical resistance is required. The encapsulated one-piece disc/stem is isolated from the stream.
- 12. The TFV valves are designed for complete adaptability to utilize various actuators for throttling. They may be used with handles, gear operators, pneumatic or electric operators. As requirements change or the demand arises actuators can be changed without changing the valve



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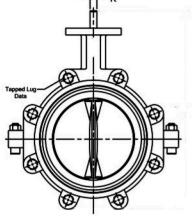
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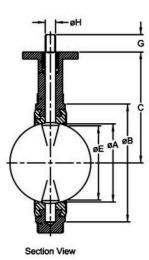
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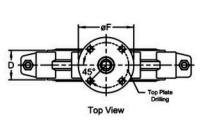
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Flow View





		imensions					Top F	Plate Dr	illing	Та	pped L	UG data	Wei	ght	Torque (IN-LB)						
Size	A	В	С	D	Е	F	G	Н	К	Keyway	Bolt	No	Hole	Bolt	No	Тар	Wafer	Lug	∆P = 50	∆P =	∆P =
			U	U	-	1	9		ĸ	Reyway	Circle	Holes	Dia.	Circle	Holes	Tap	valti	Luy	PSI	100 PSI	150 PSI
2"	2 1/8	4 1/8	3 15/16	1 5/8	1 11/16	4	1 1/4	9/16	3/8		3 1/4	4	7/16	4 3/4	4	5/8-11 UNC	6	7 1/2	230	240	250
2 1/2"	2 9/16	4 7/8	4 1/2	1 3/4	2 1/8	4	1 1/4	9/16	3/8	-	3 1/4	4	7/16	5 1/2	4	5/8-11 UNC	8	9	283	288	302
3"	3 1/8	5 3/8	4 7&8	1 3/4	2 1/8	4	1 1/4	9/16	3/9	-	3 1/4	4	7/16	6	4	5/8-11 UNC	9	11	341	365	379
4"	4 1/8	6 7/8	6	2	3 7/16	4	1 1/4	5/8	7/16	-	3 1/4	4	7/16	7 1/2	8	5/8-11 UNC	11	17	514	542	576
5"	5 3/16	7 5/8	6	2 1/8	5	4	1 1/4	5/8	7/16	-	3 1/4	4	7/16	8 1/2	8	3/4-10 UNC	15	23	706	754	806
6"	6 1/8	8 3/4	6 1/2	2 1/8	6	4	1 1/4	3/4	1/2	-	3 1/4	4	7/16	9 1/2	8	3/4-10 UNC	17	26	1008	1109	1210
8"	8 1/8	11	8 5/16	2 1/2	8	6	1 1/4	7/8	5/8	-	5	4	9/16	11 3/4	8	3/4-10 UNC	29	42	1714	1915	2112
10"	10 1/8	13 3/8	9	2 1/2	10 1/16	6	2	1 1/8		1/4 X 1/8	5	4	9/16	14 1/4	12	7/8-9 UNC	44	65	2621	3226	3372
12	12 3/32	16 1/8	10 9/32	3	11 15/16	6	2	1 1/8		1/4 X 1/8	5	4	9/16	17	12	7/8-9 UNC	85	108	3629	4138	4637

1. The 2 1/2" and 5" sizes are not available with plastic or elastomer liner disc

2. Valves rated from 100 to 150 PSI, determined by disc/stem and seat material.

3. The Series 9RT, cannot be used on a pipe or flange with an inside diameter less than the "E" dimension.

4. Dimension "K" not applicable to 10" or 12" size. The 10" and 12", Series 9RT stem is round with 1/4" x 1/4" keyway

PART NAME	MATERIAL
BODY	CI, CF8M
DISC	BRONZE, 316SS, 316SS+ELASTOMER
STEM	316SS, 17-4PH
RESILIENT SEAT	EPDM, NBR, VITON, NEOPRENE, HYPALON
STEM BUSHING	ACETAL
STEM PACKING	BUNA N





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HOW TO ORDER

VALVE BODY DESIGN (SERIES)			MATERIAL										ENDS		CLASS	SIZE		OPERATION		
	()			BODY		TRIM		DISC LINER		SEAT										
9RT	2 Pc Resilient Seated		3	CF8M	1	Bronze	E	EPDM	E	EPDM		W	WAFER	0	ANSI 150#	02	2"		10 Pos Lever	
JK I	Butterfly Valve		2	WCB CS	3	316SS	В	BUNA N	В	NBR		L	LUG	2	ANSI 300#	02.5	2 1/2"	-	TO FOS Lever	
			6	CI / DI	6	CI / DI	N	NONE	V	VITON				ľ	741401 00011	03	3"	F	ON-OFF Leve	
									N	NEOPRENE						03	3"	Г	ON-OFF Leve	
									H	HYPALON						04	4"	G	Gear	
									P	PTFE						05	5"	G	Operator ⁽¹⁾	
		-							W	PTFE/EPDM	-					06	6"	В	Bare Shaft	
									X	PTFE/NBR						08	8"	Е	Electric	
									Y	PTFE/VITON						10	10"	=	Actuator	
									Z	PTFE/SILICON						12	12"		Draumatia	
																14	14"	Ρ	Pneumatic Actuator	
																16	16"		Actualor	
																18	18"			
																20	20"			
																24	24"			

BUTTERFLY VALVE

Example 2 PCS RESILIENT SEATED BUTTERFLY VALVE, BODY CI, DISC CI, SEAT EPDM, WAFER ANSI 150#, SIZE 6". WITH LEVER 9RT-66NE-W006L

NOTES (1) Mandatory from 14" and larger

