



FITTINGS, TUBING & VALVES

Supplying Sanitary Distributors who Service
the Beverage, Dairy, Food, Brewery, Bakery,
Cosmetic, and Nutraceutical Industries

Sanitary BUTTERFLY VALVES



www.WaylandIndustries.com

1-888-798-2653



FEATURES:

- 100% hydraulic tested / 100% inspected
- Field serviceable (no special tools required)
- Vacuum rating: 0.4 inches Hg at 68°F
- Low resistance to flow
- Bi-directional flow
- Polyacetal bushings for the valve disc for reduced friction and increased life cycle
- All wetted surfaces are $\leq 32R_a$
- Lockout/Tagout handle (trigger handle only)

OPTIONS:

- **Material:** 304 or 316L forged stainless steel body and disc
- **Seat:**
 - » EPDM (standard)
 - » Silicone
 - » FKM
 - » All seats are FDA approved
- **Handle:**
 - » 12-position stainless steel trigger handle
 - » 12-position black plastic trigger handle
 - » 4-position pull handle
- **Connection:**
 - » Stocked in clamp and butt weld ends
 - » Other connections available upon request



SPECIFICATIONS

Information below based on water media at 68°F/20°C

SIZE	BREAK TORQUE (in. lbs.)*			PRESSURE RATING (PSI)	FLOW COEFFICIENT (C_v)	WEIGHT (lbs.)		
	SILICONE	EPDM	FKM			STEEL TRIGGER	PLASTIC TRIGGER	PULL HANDLE
1/2"	15	35	25	150	8	3.13	N/A	2.40
3/4"	18	45	35	150	20	3.04	N/A	2.31
1"	20	75	70	160	23	3.57	3.02	3.06
1-1/2"	40	130	125	160	80	3.45	2.90	2.90
2"	55	165	175	160	230	4.23	3.66	3.65
2-1/2"	70	210	220	140	264	4.71	4.12	4.14
3"	165	350	310	140	372	5.50	4.95	4.99
4"	350	540	450	140	800	8.04	7.48	7.82
6"	700	1550	750	110	1200	17.20	N/A	16.54
8"	520	680	550	110	2110	N/A	N/A	28.40

* Torque required to fully open and close valve

TEMPERATURE RATING

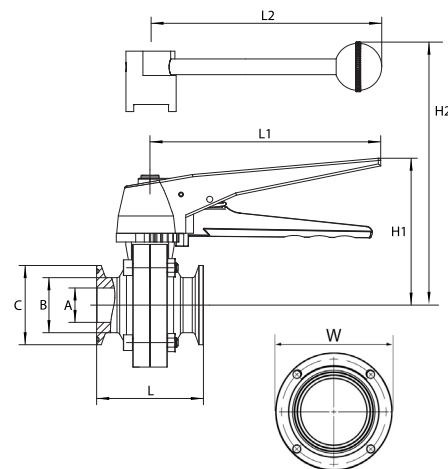
SEAT MATERIAL	MIN. MAX TEMPERATURE	RECOMMENDED OPERATING RANGE
EPDM	-40° - 266°F	-4° - 230°F
FKM	-4° - 392°F	-4° - 302°F
SILICONE	-76° - 392°F	-13° - 284°F



DIMENSIONS (inches)

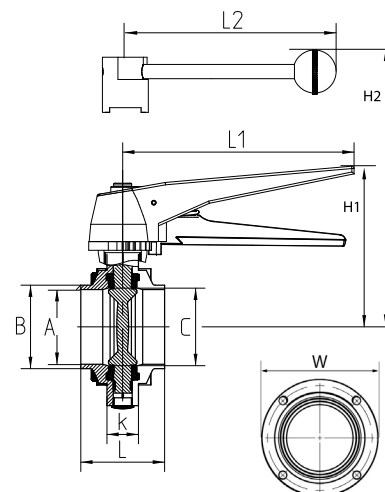
BUTTERFLY VALVE CLAMP ENDS

SIZE	A	B	C	L	L1	L2	H1	H2	W
1/2"	0.37	0.50	0.98	2.76	6.30	5.12	2.81	2.96	3.11
3/4"	0.62	0.75	0.98	2.76	6.30	5.12	2.81	2.96	3.11
1"	0.87	1.00	1.99	2.68	6.30	5.12	3.58	3.03	3.11
1-1/2"	1.37	1.50	1.99	2.76	6.30	5.12	3.78	3.15	3.35
2"	1.87	2.00	2.52	2.99	6.30	5.12	3.86	3.46	3.94
2-1/2"	2.37	2.50	3.05	3.30	6.30	5.90	4.21	3.74	4.33
3"	2.87	3.00	3.58	3.30	6.30	5.90	4.53	4.02	4.92
4"	3.83	4.00	4.68	3.62	6.30	6.30	4.92	4.68	6.10
6"	5.78	6.00	6.57	4.33	8.27	8.46	6.30	6.30	8.46
8"	7.78	8.00	8.56	3.54	11.18	11.18	7.03	7.03	11.09



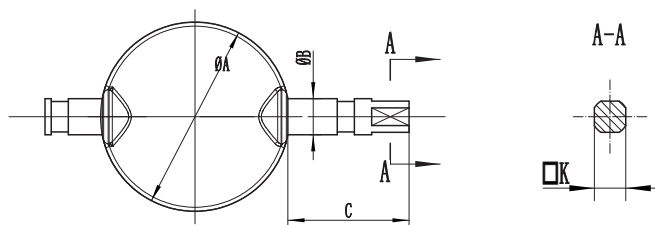
BUTTERFLY VALVE BUTTWELD ENDS

SIZE	A	B	C	K	L	L1	L2	H1	H2	W
1"	0.87	1	0.91	0.87	1.97	6.30	5.51	3.58	3.03	3.11
1-1/2"	1.37	1.5	1.38	0.87	1.97	6.30	5.51	3.78	3.15	3.35
2"	1.87	2	1.90	0.87	2.05	6.30	5.51	3.86	3.46	3.94
2-1/2"	2.37	2.5	2.36	0.87	2.20	6.30	5.91	4.21	3.74	4.33
3"	2.87	3	2.83	0.87	2.20	6.30	5.91	4.53	4.02	4.92
4"	3.83	4	3.94	0.87	2.36	6.30	6.30	4.92	4.68	6.10
6"	5.78	6	5.91	1.02	3.54	7.48	8.46	6.30	6.30	8.46



BUTTERFLY VALVE DISC & STEM DIMENSIONS

SIZE	K	ØA	ØB	C
1/2"	0.31	0.81	0.39	1.46
3/4"	0.31	0.81	0.39	1.46
1"	0.31	0.91	0.39	1.57
1-1/2"	0.31	1.38	0.39	1.45
2"	0.31	1.89	0.39	1.53
2-1/2"	0.39	2.36	0.47	1.46
3"	0.39	2.83	0.47	1.57
4"	0.39	3.94	0.47	1.57
6"	0.55	5.91	0.67	2.16
8"	0.63	7.87	0.79	2.05



CLAMP END BUTTERFLY VALVES

CLAMP END BUTTERFLY VALVE WITH 12 POSITION STAINLESS STEEL TRIGGER HANDLE BFVTC-TS



SIZE	EPDM SEATS *		SILICONE SEATS		FKM SEATS	
	304	316L*	304	316L	304	316L
1/2"	–	W6BFVTC-E-.50-TS	–	W6BFVTC-S-.50-TS	–	W6BFVTC-V-.50-TS
3/4"	–	W6BFVTC-E-.75-TS	–	W6BFVTC-S-.75-TS	–	W6BFVTC-V-.75-TS
1"	W4BFVTC-E-1-TS	W6BFVTC-E-1-TS	W4BFVTC-S-1-TS	W6BFVTC-S-1-TS	W4BFVTC-V-1-TS	W6BFVTC-V-1-TS
1-1/2"	W4BFVTC-E-15-TS	W6BFVTC-E-15-TS	W4BFVTC-S-15-TS	W6BFVTC-S-15-TS	W4BFVTC-V-15-TS	W6BFVTC-V-15-TS
2"	W4BFVTC-E-2-TS	W6BFVTC-E-2-TS	W4BFVTC-S-2-TS	W6BFVTC-S-2-TS	W4BFVTC-V-2-TS	W6BFVTC-V-2-TS
2-1/2"	W4BFVTC-E-25-TS	W6BFVTC-E-25-TS	W4BFVTC-S-25-TS	W6BFVTC-S-25-TS	W4BFVTC-V-25-TS	W6BFVTC-V-25-TS
3"	W4BFVTC-E-3-TS	W6BFVTC-E-3-TS	W4BFVTC-S-3-TS	W6BFVTC-S-3-TS	W4BFVTC-V-3-TS	W6BFVTC-V-3-TS
4"	W4BFVTC-E-4-TS	W6BFVTC-E-4-TS	W4BFVTC-S-4-TS	W6BFVTC-S-4-TS	W4BFVTC-V-4-TS	W6BFVTC-V-4-TS
6"	–	W6BFVTC-E-6-TS	–	W6BFVTC-S-6-TS	–	W6BFVTC-V-6-TS

* 12 position stainless steel trigger handle valve comes standard with EPDM seat and 316L body

CLAMP END BUTTERFLY VALVE WITH 12 POSITION PLASTIC TRIGGER HANDLE BFVTC-TP



SIZE	EPDM SEATS *		SILICONE SEATS		FKM SEATS	
	304*	316L	304	316L	304	316L
1"	W4BFVTC-E-1-TP	W6BFVTC-E-1-TP	W4BFVTC-S-1-TP	W6BFVTC-S-1-TP	W4BFVTC-V-1-TP	W6BFVTC-V-1-TP
1-1/2"	W4BFVTC-E-15-TP	W6BFVTC-E-15-TP	W4BFVTC-S-15-TP	W6BFVTC-S-15-TP	W4BFVTC-V-15-TP	W6BFVTC-V-15-TP
2"	W4BFVTC-E-2-TP	W6BFVTC-E-2-TP	W4BFVTC-S-2-TP	W6BFVTC-S-2-TP	W4BFVTC-V-2-TP	W6BFVTC-V-2-TP
2-1/2"	W4BFVTC-E-25-TP	W6BFVTC-E-25-TP	W4BFVTC-S-25-TP	W6BFVTC-S-25-TP	W4BFVTC-V-25-TP	W6BFVTC-V-25-TP
3"	W4BFVTC-E-3-TP	W6BFVTC-E-3-TP	W4BFVTC-S-3-TP	W6BFVTC-S-3-TP	W4BFVTC-V-3-TP	W6BFVTC-V-3-TP
4"	W4BFVTC-E-4-TP	W6BFVTC-E-4-TP	W4BFVTC-S-4-TP	W6BFVTC-S-4-TP	W4BFVTC-V-4-TP	W6BFVTC-V-4-TP

* 12 position plastic trigger handle valve comes standard with EPDM seat and 304 body

CLAMP END BUTTERFLY VALVE WITH 4-POSITION PULL HANDLE BFVTC-PH



SIZE	EPDM SEATS *		SILICONE SEATS		FKM SEATS	
	304	316L	304	316L	304	316L
1/2"	–	W6BFVTC-E-.50-PH	–	W6BFVTC-S-.50-PH	–	W6BFVTC-V-.50-PH
3/4"	–	W6BFVTC-E-.75-PH	–	W6BFVTC-S-.75-PH	–	W6BFVTC-V-.75-PH
1"	W4BFVTC-E-1-PH	W6BFVTC-E-1-PH	W4BFVTC-S-1-PH	W6BFVTC-S-1-PH	W4BFVTC-V-1-PH	W6BFVTC-V-1-PH
1-1/2"	W4BFVTC-E-15-PH	W6BFVTC-E-15-PH	W4BFVTC-S-15-PH	W6BFVTC-S-15-PH	W4BFVTC-V-15-PH	W6BFVTC-V-15-PH
2"	W4BFVTC-E-2-PH	W6BFVTC-E-2-PH	W4BFVTC-S-2-PH	W6BFVTC-S-2-PH	W4BFVTC-V-2-PH	W6BFVTC-V-2-PH
2-1/2"	W4BFVTC-E-25-PH	W6BFVTC-E-25-PH	W4BFVTC-S-25-PH	W6BFVTC-S-25-PH	W4BFVTC-V-25-PH	W6BFVTC-V-25-PH
3"	W4BFVTC-E-3-PH	W6BFVTC-E-3-PH	W4BFVTC-S-3-PH	W6BFVTC-S-3-PH	W4BFVTC-V-3-PH	W6BFVTC-V-3-PH
4"	W4BFVTC-E-4-PH	W6BFVTC-E-4-PH	W4BFVTC-S-4-PH	W6BFVTC-S-4-PH	W4BFVTC-V-4-PH	W6BFVTC-V-4-PH
6"	–	W6BFVTC-E-6-PH	–	W6BFVTC-S-6-PH	–	W6BFVTC-V-6-PH
8"	–	W6BFVTC-E-8-PH	–	W6BFVTC-S-8-PH	–	W6BFVTC-V-8-PH

* 4 position pull handle valve comes standard with EPDM seat

BUTTWELD BUTTERFLY VALVES



BUTT WELD BUTTERFLY VALVE WITH 12 POSITION STAINLESS STEEL TRIGGER HANDLE

BFVBW-TS

NEW!

SIZE	EPDM SEATS *	SILICONE SEATS	FKM SEATS
	316L	316L	316L
1"	W6BFVBW-E-1-TS	W6BFVBW-S-1-TS	W6BFVBW-V-1-TS
1-1/2"	W6BFVBW-E-15-TS	W6BFVBW-S-15-TS	W6BFVBW-V-15-TS
2"	W6BFVBW-E-2-TS	W6BFVBW-S-2-TS	W6BFVBW-V-2-TS
2-1/2"	W6BFVBW-E-25-TS	W6BFVBW-S-25-TS	W6BFVBW-V-25-TS
3"	W6BFVBW-E-3-TS	W6BFVBW-S-3-TS	W6BFVBW-V-3-TS
4"	W6BFVBW-E-4-TS	W6BFVBW-S-4-TS	W6BFVBW-V-4-TS
6"	W6BFVBW-E-6-TS	W6BFVBW-S-6-TS	W6BFVBW-V-6-TS

* Valve comes standard with EPDM seat



BUTT WELD BUTTERFLY VALVE WITH 12 POSITION PLASTIC TRIGGER HANDLE

BFVBW-TP

NEW!

SIZE	EPDM SEATS *	SILICONE SEATS	FKM SEATS
	316L	316L	316L
1"	W6BFVBW-E-1-TP	W6BFVBW-S-1-TP	W6BFVBW-V-1-TP
1-1/2"	W6BFVBW-E-15-TP	W6BFVBW-S-15-TP	W6BFVBW-V-15-TP
2"	W6BFVBW-E-2-TP	W6BFVBW-S-2-TP	W6BFVBW-V-2-TP
2-1/2"	W6BFVBW-E-25-TP	W6BFVBW-S-25-TP	W6BFVBW-V-25-TP
3"	W6BFVBW-E-3-TP	W6BFVBW-S-3-TP	W6BFVBW-V-3-TP
4"	W6BFVBW-E-4-TP	W6BFVBW-S-4-TP	W6BFVBW-V-4-TP
6"	W6BFVBW-E-6-TP	W6BFVBW-S-6-TP	W6BFVBW-V-6-TP

* Valve comes standard with EPDM seat



BUTT WELD BUTTERFLY VALVE WITH 4 POSITION PULL HANDLE

BFVBW-PH

NEW!

SIZE	EPDM SEATS *	SILICONE SEATS	FKM SEATS
	316L	316L	316L
1"	W6BFVBW-E-1-PH	W6BFVBW-S-1-PH	W6BFVBW-V-1-PH
1-1/2"	W6BFVBW-E-15-PH	W6BFVBW-S-15-PH	W6BFVBW-V-15-PH
2"	W6BFVBW-E-2-PH	W6BFVBW-S-2-PH	W6BFVBW-V-2-PH
2-1/2"	W6BFVBW-E-25-PH	W6BFVBW-S-25-PH	W6BFVBW-V-25-PH
3"	W6BFVBW-E-3-PH	W6BFVBW-S-3-PH	W6BFVBW-V-3-PH
4"	W6BFVBW-E-4-PH	W6BFVBW-S-4-PH	W6BFVBW-V-4-PH
6"	W6BFVBW-E-6-PH	W6BFVBW-S-6-PH	W6BFVBW-V-6-PH

* Valve comes standard with EPDM seat



HOW TO ORDER

W + Alloy + Product Code + Ends - Seat - Size (in.)

Alloy: 4 = 304, 6 = 316L
 Product Code: BFV=Butterfly Valve
 Ends: TC = Tri-Clamp
 Seat: E=EPDM, S=Silicone, V=FKM
 Size (in.): 1, 1.5, 2, 3, 4, 6, 8

Handle

TS=Stainless Steel Trigger
 TP=Plastic Trigger
 PH=Pull Handle
 SRO= Spring Return Open
 SRC= Spring Return Closed
 DA = Double Acting

Example:

W + 6 + BFV + TC - E - 3 + TS

(W6BFVTC-E-3-TS)



ITEM	DESCRIPTION	MATERIAL
01	Valve Body	304/316L
02	Seat	Silicone / EPDM / FKM
03	Disc	304 / 316L
04	Bushing*	Plastic
05	Nut	304
06	Bolt	304
07	Handle Plate	304
08	Handle	Plastic / 304
09	Plastic Plug	Plastic
10	Bolt	304

Repair Kit Contains:

(1) Disc
 (1) Seat
 (2) Bushings

*Replacement bushing kit available:

1"-2" BFV-B-1/15/2-KIT

2.5"-4" BFV-B-25/3/4-KIT

BUTTERFLY VALVE REPAIR KITS* AND REPLACEMENT SEATS

SIZE	EPDM (BLACK)		SILICONE (RED)		FKM (BROWN)	
	REPAIR KIT	REPLACEMENT SEAT	REPAIR KIT	REPLACEMENT SEAT	REPAIR KIT	REPLACEMENT SEAT
1/2"	W6BFV-RK-E-.50	WBFV-ST-E-.50	W6BFV-RK-S-.50	WBFV-ST-S-.50	W6BFV-RK-V-.50	WBFV-ST-V-.50
3/4"	W6BFV-RK-E-.75	WBFV-ST-E-.75	W6BFV-RK-S-.75	WBFV-ST-S-.75	W6BFV-RK-V-.75	WBFV-ST-V-.75
1"	W6BFV-RK-E-1	WBFV-ST-E-1	W6BFV-RK-S-1	WBFV-ST-S-1	W6BFV-RK-V-1	WBFV-ST-V-1
1-1/2"	W6BFV-RK-E-1.5	WBFV-ST-E-1.5	W6BFV-RK-S-1.5	WBFV-ST-S-1.5	W6BFV-RK-V-1.5	WBFV-ST-V-1.5
2"	W6BFV-RK-E-2	WBFV-ST-E-2	W6BFV-RK-S-2	WBFV-ST-S-2	W6BFV-RK-V-2	WBFV-ST-V-2
2-1/2"	W6BFV-RK-E-2.5	WBFV-ST-E-2.5	W6BFV-RK-S-2.5	WBFV-ST-S-2.5	W6BFV-RK-V-2.5	WBFV-ST-V-2.5
3"	W6BFV-RK-E-3	WBFV-ST-E-3	W6BFV-RK-S-3	WBFV-ST-S-3	W6BFV-RK-V-3	WBFV-ST-V-3
4"	W6BFV-RK-E-4	WBFV-ST-E-4	W6BFV-RK-S-4	WBFV-ST-S-4	W6BFV-RK-V-4	WBFV-ST-V-4
6"	W6BFV-RK-E-6	WBFV-ST-E-6	W6BFV-RK-S-6	WBFV-ST-S-6	W6BFV-RK-V-6	WBFV-ST-V-6
8"	W6BFV-RK-E-8	WBFV-ST-E-8	W6BFV-RK-S-8	WBFV-ST-S-8	W6BFV-RK-V-8	WBFV-ST-V-8

*Repair kits contain 316L discs. Compatible with 304 valves.

BUTTERFLY VALVE HANDLE REPLACEMENTS

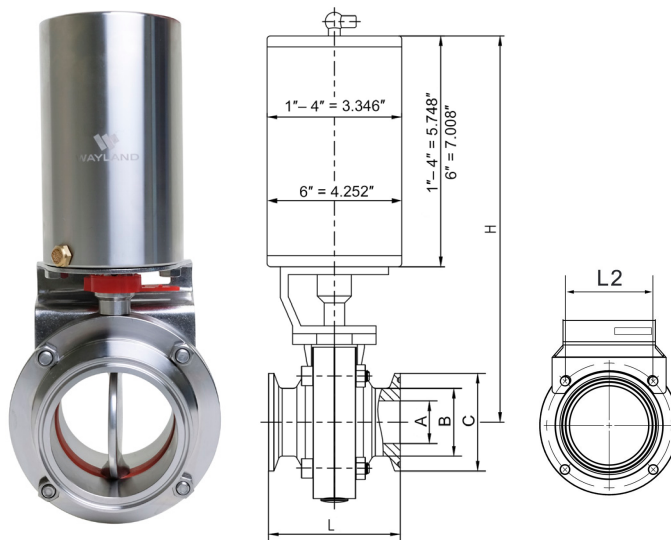
SIZE	304 STAINLESS 12-POSITION TRIGGER HANDLE	BLACK PLASTIC 12-POSITION TRIGGER HANDLE	4 POSITION PULL HANDLE
1/2"	WBFV-TS-.50/.75	N/A	WBFV-PH-.50/.75
3/4"			
1"	WBFV-TS-1/15/2	WBFV-TP-1/15/2	WBFV-PH-1/15/2
1-1/2"			
2"	WBFV-TS-25/3/4	WBFV-TP-25/3/4	WBFV-PH-25/3
2-1/2"			
3"	WBFV-TS-6	N/A	WBFV-PH-4
4"			
6"	N/A	N/A	WBFV-PH-6
8"			WBFV-PH-8



ACTUATED BUTTERFLY VALVES

FEATURES:

- | | Actuator | Valve Body |
|--|--|---------------|
| • Material: | T304 Stainless Steel | T304 or T316L |
| • Field Serviceable | | |
| • All wetted surfaces are $\leq 32R_a$ | | |
| • Air Supply Pressure: | 80 – 100 PSI | |
| • Weight (actuator only): | 1" - 4" = 5.95 lbs.
6" = 11.12 lbs. | |
| • Air Fitting Ports: | 1/8" FNPT tap | |
| • Air Hose Size: | 1/4" | |
| • Can be mounted on | 1" through 6" butterfly valves | |
| • Available in | "Normally Open", "Normally Closed" & "Double Acting" actuation | |



ACTUATED BUTTERFLY VALVES

SIZE	DIMENSIONS						PART NUMBERS*		
	A	B	C	L	H	L2	SPRING RETURN OPEN	SPRING RETURN CLOSED	DUAL ACTING
1"	0.87	1.00	1.99	2.68	8.94	1.85	W6BFVTC-E-1-SRO	W6BFVTC-E-1-SRC	W6BFVTC-E-1-DA
1-1/2"	1.37	1.50	1.99	2.76	9.09	2.05	W6BFVTC-E-15-SRO	W6BFVTC-E-15-SRC	W6BFVTC-E-15-DA
2"	1.87	2.00	2.52	2.99	9.33	2.36	W6BFVTC-E-2-SRO	W6BFVTC-E-2-SRC	W6BFVTC-E-2-DA
2-1/2"	2.37	2.50	3.05	3.31	9.53	2.76	W6BFVTC-E-25-SRO	W6BFVTC-E-25-SRC	W6BFVTC-E-25-DA
3"	2.87	3.00	3.58	3.31	11.14	3.05	W6BFVTC-E-3-SRO	W6BFVTC-E-3-SRC	W6BFVTC-E-3-DA
4"	3.83	4.00	4.68	3.62	11.61	3.86	W6BFVTC-E-4-SRO	W6BFVTC-E-4-SRC	W6BFVTC-E-4-DA
6"	5.83	6.00	6.57	4.33	12.83	3.90	W6BFVTC-E-6-SRO	W6BFVTC-E-6-SRC	W6BFVTC-E-6-DA

* REPLACE E (EPDM) WITH S (SILICONE) OR V (FKM) FOR SEAT PREFERENCE

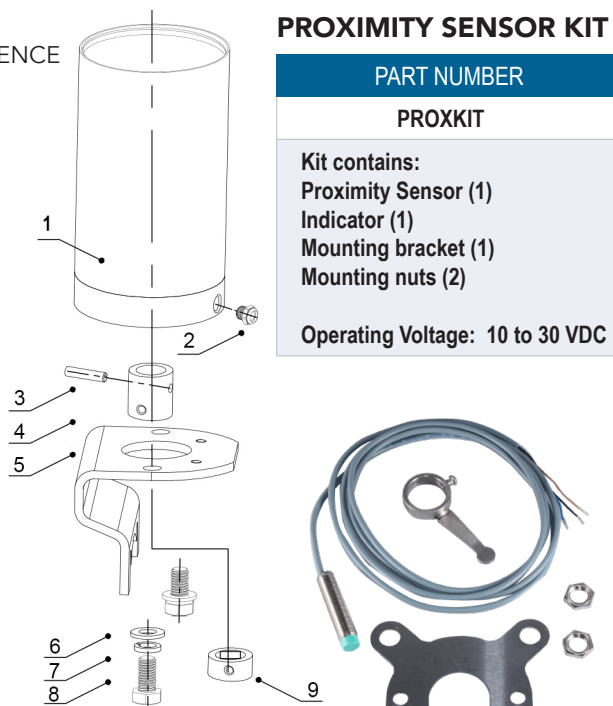
* REPLACE W6 (316L) WITH W4 (304) FOR ALLOY PREFERENCE

* REPLACE TC (TRI CLAMP) WITH BW (BUTT WELD) FOR END PREFERENCE

INDIVIDUAL VERTICAL CANISTER ACTUATOR PART NUMBERS

SPRING RETURN	DUAL ACTING
W4CVA-SR-(size)	W4CVA-DA-(size)

ITEM	DESCRIPTION	MATERIAL	QNTY
1	Actuator Body	304	1
2	Muffler	H62	1
3	Connecting Pin	304	1
4	Shaft Coupler	304	1
5	Support Bracket	304	1
6	Washer	65Mn	2
7	Washer	304	2
8	Hexagon Bolt	304	2
9	Position Indicator	Plastic / 304	1



PROXIMITY SENSOR KIT

PART NUMBER

PROXKIT

Kit contains:
Proximity Sensor (1)
Indicator (1)
Mounting bracket (1)
Mounting nuts (2)

Operating Voltage: 10 to 30 VDC

