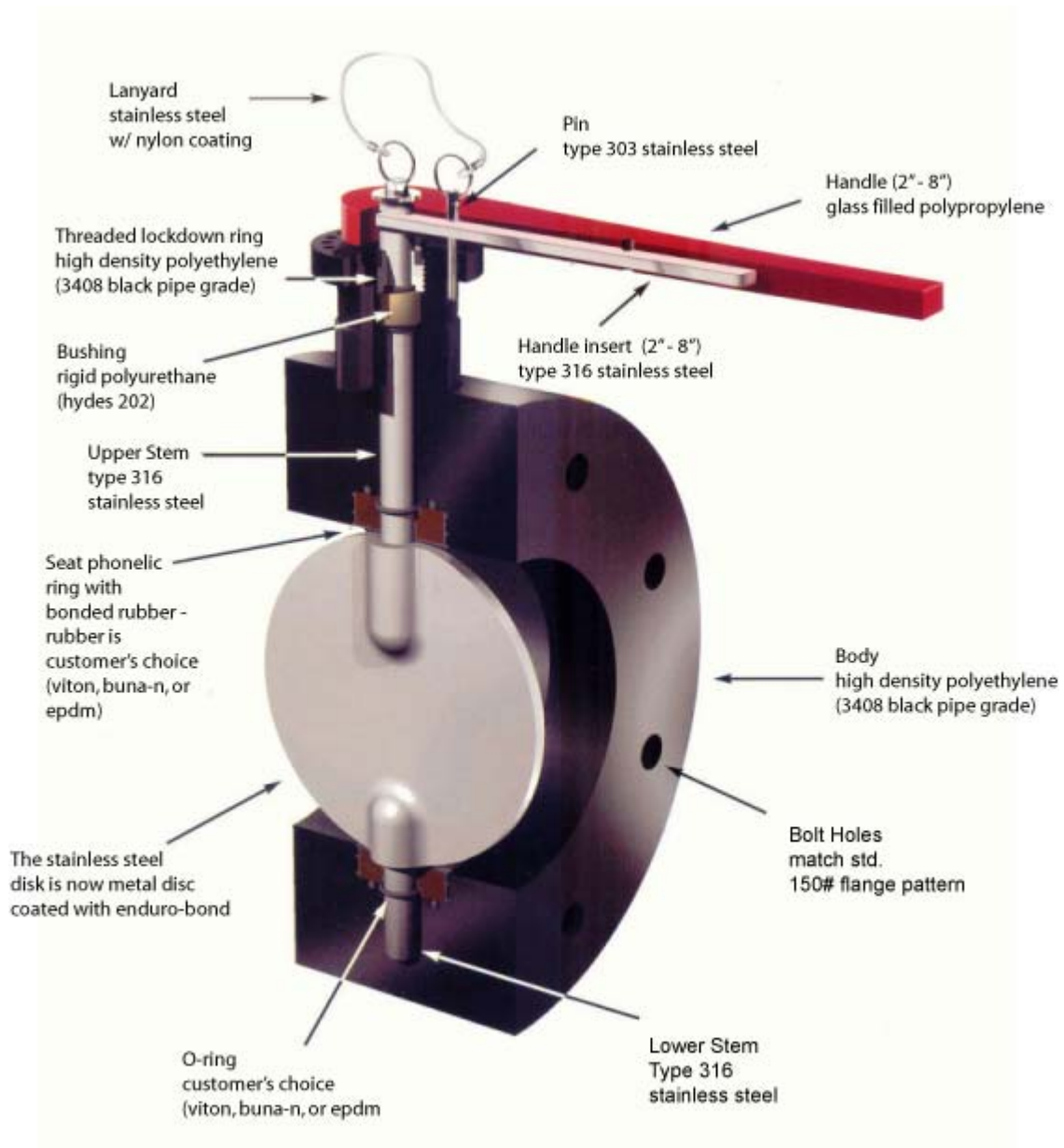


TIME SAVER™ BUTTERFLY WAFER VALVE



TIME SAVER™ BUTTERFLY WAFER VALVE DATA

Full Port

Size IPS**	Body OD (Inches)	Disc OD (Inches)	Cv@ 90°	Δ P psi Valve @ 10 Ft./Sec	Equiv Lg. SDR11 Pipe•Ft.****	Wafer Body Length (Inches)	Height (Inches)	Weight (Lbs)	Bolt Circle (Inches)	Bolt Qty.	Bolt Size (Inches)	Bolt Torq Ft.-Lbs***
2	5.00	2.27	145	0.40	5.3	4.38	9.00	4	4.75	4	5/8	80-90
3	6.37	3.31	325	0.40	7.7	4.50	10.50	10	6.00	4	5/8	80-90
4	8.40	4.17	590	0.30	8.6	4.50	12.50	12	7.50	8	5/8	80-90
6	10.35	6.06	1950	0.20	5.7	5.75	15.00	20	9.50	8	3/4	140-150
8	15.00	7.85	3250	0.20	8.0	6.50	20.00	45	11.75	8	3/4	140-150
10	17.75	9.77	5000	0.13	10.6	7.75	23.00	65	14.25	12	7/8	190-200
12	20.58	11.81	7500	0.12	11.3	9.00	26.00	85	17.00	12	7/8	190-200
14	22.50	13.20	10000	0.10	10.3	10.25	*37.42	105	18.75	12	1	190-200
16	26.50	15.24	13600	0.10	11.0	11.50	*42.38	174	21.25	16	1	190-200
18	30.20	17.15	18000	0.084	11.88	13.00	46.13	335	22.75	16	11/8	190-200

Cv values are estimated.
* Includes gear operator and 18" handwheel

**DIPS sizes are available

*** Use cross pattern tightening procedure

****Number of feet of pipe with the same pressure drop as experienced across the valve at 10 ft./sec.

SIZES AVAILABLE FROM 18" - 24" ON SPECIAL ORDER

Reduced Port

Size IPS**	Body OD (Inches)	Disc OD (Inches)	Cv@ 90°	Δ P psi Valve @ 10 Ft./Sec	Equiv Lg. SDR11 Pipe•Ft.****	Wafer Body Length (Inches)	Height (Inches)	Weight (Lbs)	Bolt Circle (Inches)	Bolt Qty.	Bolt Size (Inches)	Bolt Torq Ft.-Lbs***
3	5.00	2.27	145	1.90	38.8	4.38	9.00	4	xxx	xxx	xxx	80-90
4	6.37	3.31	325	1.00	28.2	4.50	10.50	10	xxx	xxx	xxx	80-90
6	8.40	4.17	590	1.40	62.7	4.50	12.50	12	xxx	xxx	xxx	140-150
8	10.35	6.06	1950	0.40	22.4	5.75	15.00	20	9.50	8	3/4	140-150
10	15.00	7.85	3250	0.30	25.0	6.50	20.00	45	11.75	8	7/8	190-200
12	17.75	9.77	5000	0.30	25.5	7.75	23.00	65	14.25	12	7/8	190-200
14	20.58	11.81	7500	0.20	18.3	9.00	26.00	85	17.00	12		190-200
16	22.50	13.20	10000	0.20	20.5	10.25	*37.42	105	18.75	12	1	190-200
18	26.50	15.24	13600	0.15	20.3	11.50	*42.38	174	21.25	16	1 1/8	190-200
20	30.00	17.15	18000	0.128	20.46	13.00	46.13	335	25.00	20	1 1/8	190-200

Cv values are estimated.
* Includes gear operator and 18" handwheel

** DIPS sizes are available

***Use cross pattern tightening procedure

**** Number of feet of pipe with the same pressure drop as experienced across the valve at 10 ft./sec.

XXX These are drop in valves that mate to correspond flange adapters

SIZES AVAILABLE FROM 20" - 24" ON SPECIAL ORDER

• Body: High Density Polyethylene	Cell Class PE345444C - ASTM D 3350 1600psi HDB at 73° F - ASTM D 2837 ESCR > 10000 hours - ASTM D 1693 Tensile Strength = 3500 psi - ASTM D 638
• Handle:	10" - 12", forged type 316 stainless steel. 14" & up, gear operated with hand wheel.
• Disk: Stainless Steel Type 316	Yield Strength > 30,000psi
• Stem: Stainless Steel Type 316	Yield Strength > 30,000psi
• Seats:	EPDM - Standard Buna N - Optional Viton - Optional Other materials on special request
• Pressure Rating: All Sizes	160psi Maximum Non-Shock Service @ 73°F Seating to bubble tight shut-off
• Tests:	Every valve is performance tested per MSS SP-67 Type I (no leak allowed) requirements and leakage tested per AWWA C 504 @ 160psi and 73°F