

## PFA LINED WAFER TYPE BUTTERFLY VALVE WITH ROTARY ACTUATOR (SERIES 260)

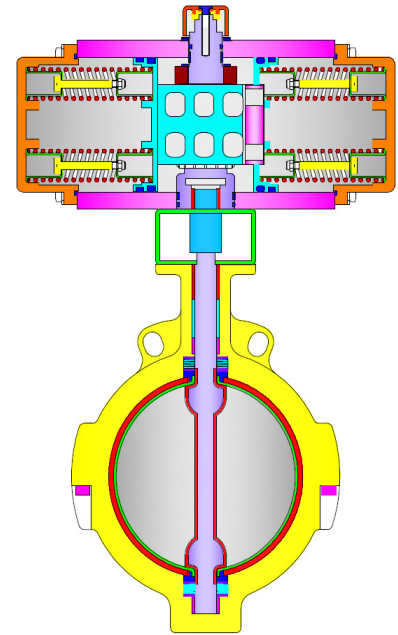
### INTRODUCTION

This Butterfly Valve is lined with PTFE / PFA material at all the surface contact areas for resistance against high corrosive media attacks. The seal on seam of the disc automatically closes.

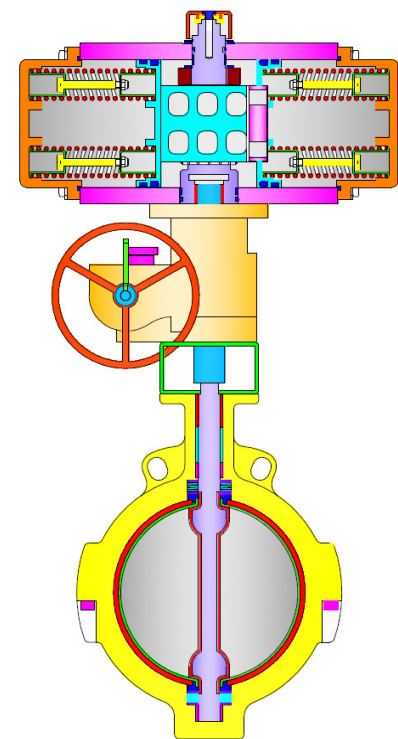
The PTFE Butterfly Valve is a light weight, lower cost, heavy duty & maintenance free solution to high pressure application and suitable for flow control of Acids, Alkaline, Caustic, Chlorine & highly corrosive fluids.

### SPECIFICATIONS

<b>DESIGN STANDARD</b>	: BS EN 593:2004 (Formerly BS 5155)
<b>DRILLING</b>	: ANSI B16.5 / DIN PN10 / 16
<b>FACE TO FACE</b>	: API 609 / DIN 3202 K1 / BS 5155 / ISO 5752 / BS EN 558-1/2
<b>MEDIA TEMPERATURE</b>	: -20°C to 180°C
<b>LINING THICKNESS</b>	: 3 to 5 mm.
<b>TESTING STANDARD</b>	: BS EN 12266-1&2 (2003)
<b>PNEUMATIC TEST</b>	: 3.5 Kg/Cm <sup>2</sup>
<b>SPARK TEST</b>	: 15 K.V.D.C
<b>DESIGN</b>	: Wafer
<b>BODY TYPE</b>	: PFA LINED
<b>VALVE SIZE</b>	: 50 to 400 mm (2" to 16")
<b>RATING</b>	: ANSI 150#
<b>BODY / DISC MATERIAL</b>	: CS / CF8(S.S.304 / CF8M (S.S 316).
<b>LINING MATERIAL</b>	: PTFE, PFA, FEP, ETFE & PVDF
<b>OPTIONAL DESIGN</b>	: Antistatic Clip, Gear Box / Actuator, Unlined Disc - ASTM A351 Gr.CF8 / CF3M, Extended Stem Design & Lug Type Design.
<b>CHARACTERISTIC</b>	: Throttling / On-Off .
<b>MOUNTING PAD</b>	: As per ISO 5211
<b>ACTUATOR TYPE</b>	: Double Piston (Rack & Pinion).
<b>ACTUATOR ACTION</b>	: Single Acting - Air failure Spring Return Type. Double Acting - Air failure "Stay Put"
<b>ACTUATOR BODY</b>	: Extruded Hardened Aluminum
<b>PINION SHAFT</b>	: EN8 / SS 304 / 316
<b>PISTON RACK</b>	: Hardened Aluminum LM 24
<b>PISTON GUIDES</b>	: 40% BRONZE FILLED PTFE
<b>SPRINGS</b>	: Pre Loaded Spring SNS (LH/RH) Type
<b>SEALING</b>	: Nitrile (Viton or EPDM available on request)
<b>AIR SUPPLY</b>	: 3.5 – 5 Kg/cm <sup>2</sup>
<b>AIR CONNECTION</b>	: 1/ 4" NPT.
<b>OPTIONAL ACCESSORIES</b>	: 1) Valve Positioner - Pneumatic , Electro Pneumatic, Smart Positioner 2) Air Filter Pressure Regulator 3) Limit Switch with Honeywell Micro Switch / P&F Sensor 4) 3/2 / 5/2 Way Solenoid Valve (220VAC/24VDC) 5) Manual Override (Worm Gear Quarter Turn) <b>(Limit Switch Enclosure &amp; Solenoid Valve available in Weatherproof, Intrinsically Safe &amp; Flameproof Enclosure.)</b>



**PFA LINED BUTTERFLY VALVE WITH  
ROTARY ACTUATOR**



**PFA LINED BUTTERFLY VALVE WITH ROTARY ACTUATOR  
AND MOR**

***BUILT IN RELIABILITY***

## DESIGN FEATURES

- Maintenance Free High Performance Design.
- Bubble tight closer provides process efficiency
- Dynamic Live Loaded Seal Design give super safe operation.
- Intact Performance in severe conditions of corrosion, abrasion and temperature fluctuation.
- Compact & simple design, low cost and maintenance free.
- Very high Cv to body size ratio.
- Reliable smooth operation and flow control with assured product quality.
- Bubble tight shut off, leakage Class – VI.
- Rangeability of 33:1 in the control range.
- Flow characteristic throttling for modulating duty.
- Choice of Replaceable Linear/Moulded Lining.

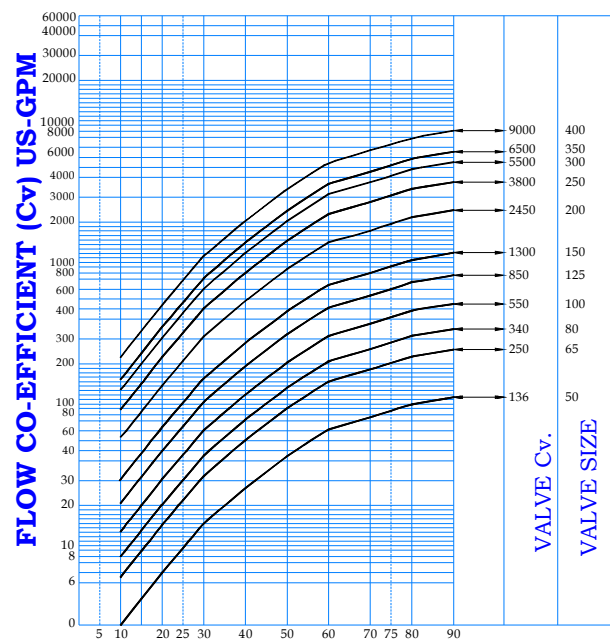
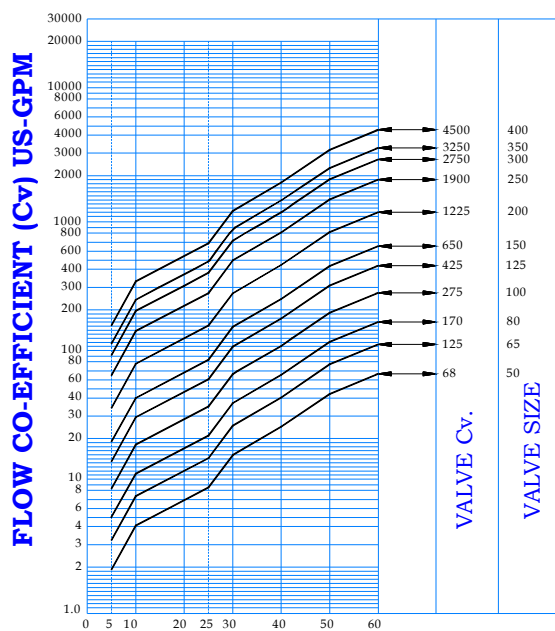
## QUALITY AND PERFORMANCE GUARANTEE

- Produced with Quality Systems accredited to ISO 9001: 2008 by Bureau Veritas.
- Full material certification available for all major component Parts.
- Full guarantee on design and Performance.
- All testing are performed to the requirements of ANSI B16.34.

### VALVE SIZING CO-EFFICIENT Cv RATING (Series 260)

SIZE (mm)	50	65	80	100	125	150	200	250	300	350	400	
<b>Cv AT FULL BORE</b>	<b>60°</b>	68	125	170	275	425	650	1225	1900	2750	3250	4500
	<b>90°</b>	136	250	340	550	850	1300	2450	3800	5500	6500	9000

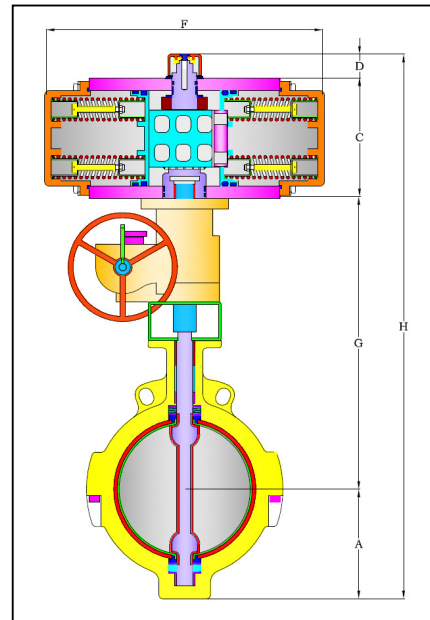
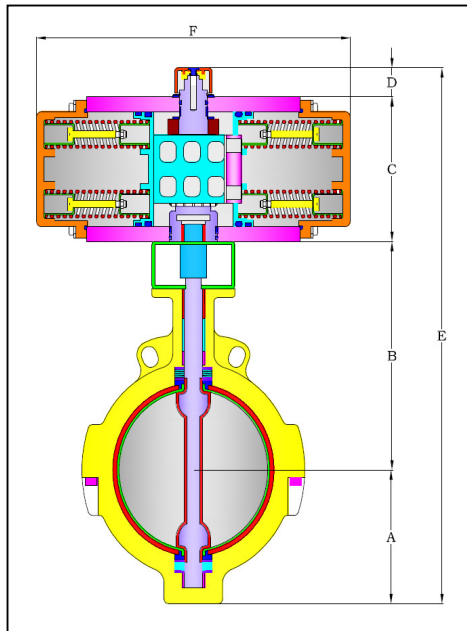
### DEGREE OF OPENING Vs FLOW CO-EFFICIENT



**VALVE OPENING-60°**

**VALVE OPENING-90°**

***BUILT IN RELIABILITY***



VALVE SIZE mm	ACTUATOR MODEL	MOR	MOUNTING DIMENSION								
			F/F	A	B	C	D	E	F	G	H
50	SA-075	100	43	67	190	98	20	375	232	295	480
65	SA-085	100	46	65	205	109	20	399	271	310	504
80	SA-100	100	46	80	210	126	20	436	293	315	541
100	SA-125	450	52	95	258	153	20	526	405	383	651
150	SA-150	450	58	120	290	187	30	627	475	415	752
200	SA-150	450	64	162	320	187	30	699	475	445	824
250	SA-175	750	70	200	375	215	30	820	521	500	945
300	SA-175	750	80	232	395	215	30	872	521	520	997
350	SA-200	1000	92	255	425	248	30	958	641	550	1083
400	DA-200	1000	102	290	450	248	30	1018	641	575	1143

The Company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice.



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***BUILT IN RELIABILITY***

