

PFA LINED BALL VALVE WITH SCOTCH ACTUATOR- SERIES 350

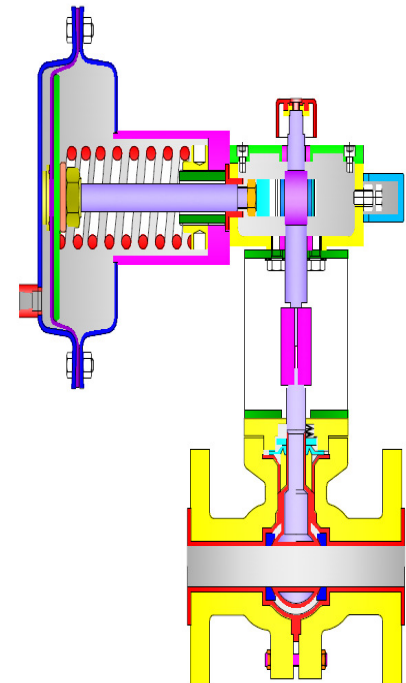
INTRODUCTION

This PFA Lined Ball 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.

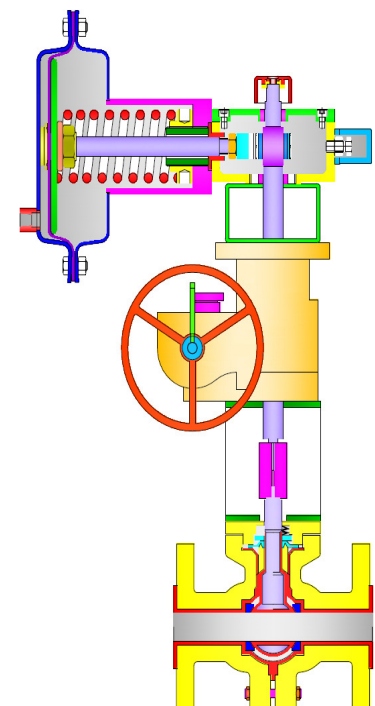
The PFA Lined Ball Valve is a light weight, lower cost, heavy duty & maintenance free solution to high pressure application and suitable for flow control of Acids, Alkaline, Caustic, Chlorine & highly corrosive fluids.

SPECIFICATIONS

DESIGN STANDARD	: BS EN ISO 17292:2004 (Formerly BS 5351)
DRILLING	: ASA 150# / DIN 2632/2633 / BS 10 Table D,E or F / Customer Specified.
FACE TO FACE	: ANSI B 16.10
LINING THICKNESS	: 3 to 5 mm.
TESTING STANDARD	: BS EN 12266-1&2 (2003)
HYDRAULIC TEST	: Body (Shell) - 20Kg/Cm ²
PNEUMATIC TEST	: Seat - 3.5 Kg/Cm ²
SPARK TEST	: 15 K.V.D.C
BODY TYPE	: 2 – piece design
VALVE SIZE	: 15 to 200 mm (1/2” to 8”)
RATING	: ANSI 150
END CONNECTION	: Flanged – 15 to 200 mm (1/2” to 8”)
BODY MATERIALS	: CS / SS 304 / SS 316 + PFA Lined
BALL MATERIALS	: CS / SS 304 / SS 316 + PFA Lined
LINING MATERIAL	: PFA, FEP, ETFE & PVDF
SEAT MATERIAL	: PTFE, Glass Filled PTFE & PEEK.
OPTIONAL DESIGN	: Antistatic Clip, Pneumatic Actuator & Gear Box
TRIM DESIGNS	: Anti Blow Out.
CHARACTERISTICS	: On / Off & Throttling.
SEAT LEAKAGE	: Class VI-Soft Seating - Bubble Tight (Zero Leakage)
ACTUATOR TYPE	: Scotch
DIAPHRAGM	: Nitrile / Neoprene
SPRING RANGE	: 3 – 15 Psig (0.2 – 1.0 Kg/cm ²) : 6 – 30 Psig (0.4 – 2.0 Kg/cm ²)
AIR SUPPLY	: 20-35 Psig (1.4-2.5 Kg/Cm ²)
AIR CONNECTION	: 1/ 4” NPT.
OPTIONAL ACCESSORIES	: Valve Positioner-Pneumatic, Electro Pneumatic & Smart. Airset, Solenoid Valve, Position Transmitter, Limit & Proximity Switches With Enclosure Etc. Top Or Side Mounted Handwheel.



**BALL VALVE WITH
SCOTCH**



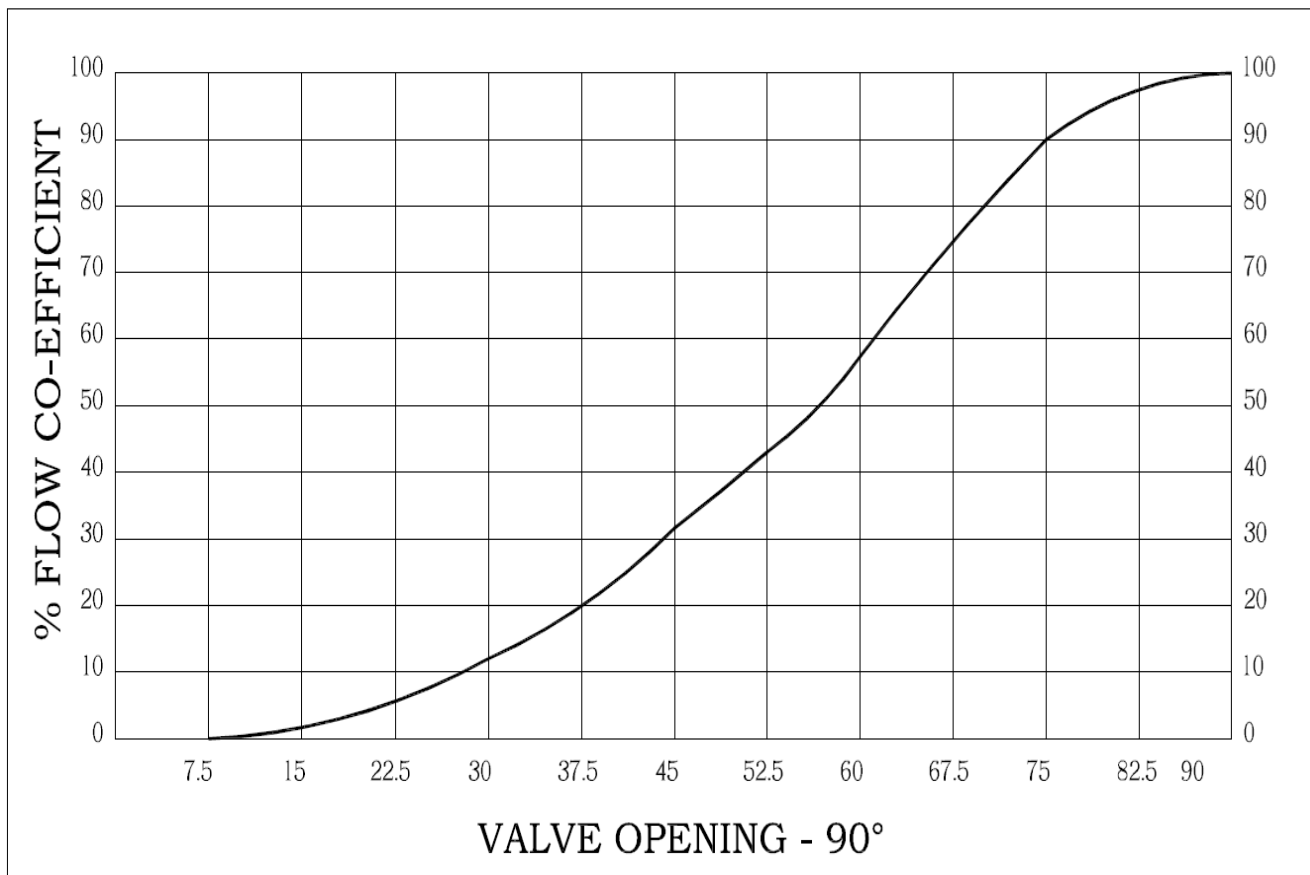
**BALL VALVE WITH
SCOTCH ACTUATOR
AND MOR**

BUILT IN RELIABILITY

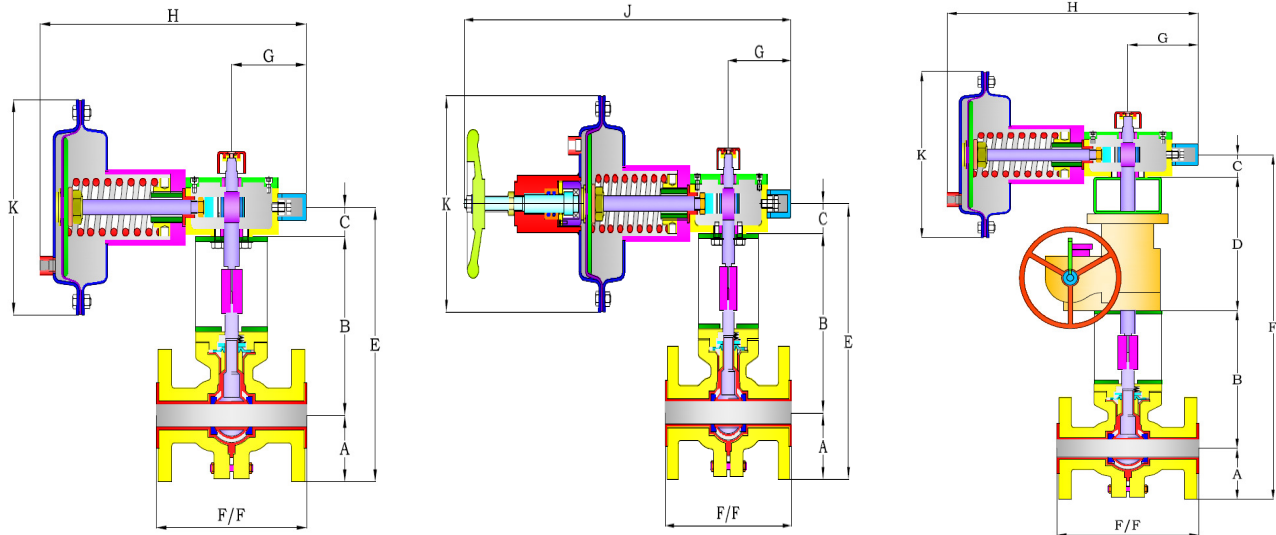
DESIGN FEATURES

- Maintenance Free Glandless live Load Design.
- One Piece Integral Ball Stem Combination.
- Minimum Cavity & Full Flow Efficient.
- No Backlash in Stem & Ball even after Prolonged service.
- Exceptionally Low Torque as compared to Plug Valve.
- Simple construction provides ease in maintenance Without disturbing insulations and piping connections.
- Low hysteresis as no sealing 'O' ring required.
- Scotch Actuator with long life alloy steel spring..
- Comprehensively, tested at factory to ensure specified performance for its intended control application at site.
- 'Scotch yoke' are designed to provide extremely reliable and accurate operation of the valve .

DEGREE OF OPENING Vs FLOW CO-EFFICIENT



BUILT IN RELIABILITY



*** DIMENSION OF PFA LINED BALL VALVE (SERIES-350)**

VALVE SIZE	ACTUATOR MODEL	MOR	F / F	A	B	C	D	E	F	G	H	J	K
1/2"	PDS-030	100	140	45	150	30	165	225	390	95	333	488	220
3/4"	PDS-030	100	140	49	153	30	165	232	397	95	333	488	220
1"	PDS-030	100	140	54	153	30	165	237	402	95	333	488	220
1.1/2"	PDS-055	450	165	64	157	32	185	253	438	108	439	647	288
2"	PDS-055	450	178	76	195	32	185	303	488	108	439	647	288
2.1/2"	PDS-095	450	203	89	220	32	185	341	526	108	471	678	371
3"	PDS-095	450	203	96	241	32	185	369	554	108	471	678	371
4"	PDS-140	450	228	115	293	45	185	453	638	175	672	958	443
6"	PMS-140	750	267	140	367	45	185	552	737	175	767	1053	443
8"	PDS-300	1000	294	171	450	54	185	675	860	232	936	-	616

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