

PFA LINED BALL VALVE WITH ROTARY ACTUATOR- SERIES 350

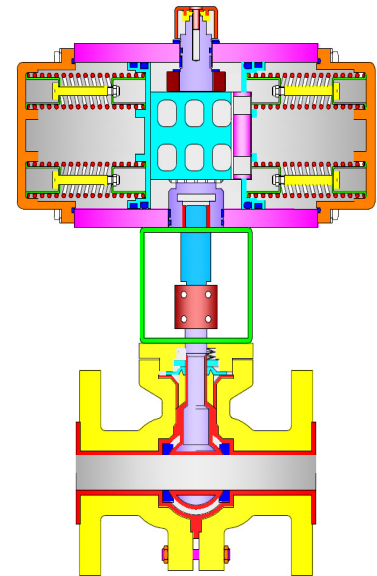
INTRODUCTION

PFA Lined Ball Valve with pneumatic Piston actuator rack and pinion type are specially designed for on-off & Throttling application. It is widely used in control of air, water, oil, gas and steam in Pharma, Textile, Chemical, power generation, paper pulp, petrochemical industries etc.

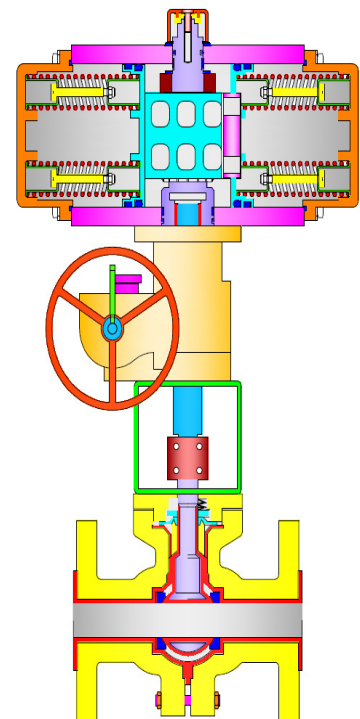
SPECIFICATIONS

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)
MOUNTING PAD	: As per ISO 5211
ACTUATOR TYPE	: Double Piston (Rack & Pinion).
ACTUATOR ACTION	: Single Acting / Double Acting. Single acting air failure Spring Return Type. Double Acting air failure "Stay Put"
ACTUATOR BODY	: Extruded Hardened Aluminum
PINION SHAFT	: EN8 / SS 304 / 316
PISTON RACK	: Hardened Aluminum LM 24
PISTON GUIDES	: 40% BRONZE FILLED PTFE
SPRINGS	: Pre Loaded Spring SNS (LH/RH) Type
SEALING	: Nitrile (Viton or EPDM available on request)
AIR SUPPLY	: 3.5 – 5 Kg/cm ²
AIR CONNECTION	: 1/ 4" NPT.
OPTIONAL ACCESSORIES	: 1) Limit Switch with Honeywell Micro Switch & P&F Sensor 2) 3/2 Way, 5/2 Way Solenoid Valves (220VAC/24VDC) 3) Air Filter Pressure Regulator with Gauge 4) Side Mounted Handwheel] (Worm Gear Quarter Turn)

(Limit Switch & Solenoid Valve available in Weatherproof, Intrinsically Safe & Flameproof Enclosure.)



**BALL VALVE WITH
ROTARY ACTUATOR**



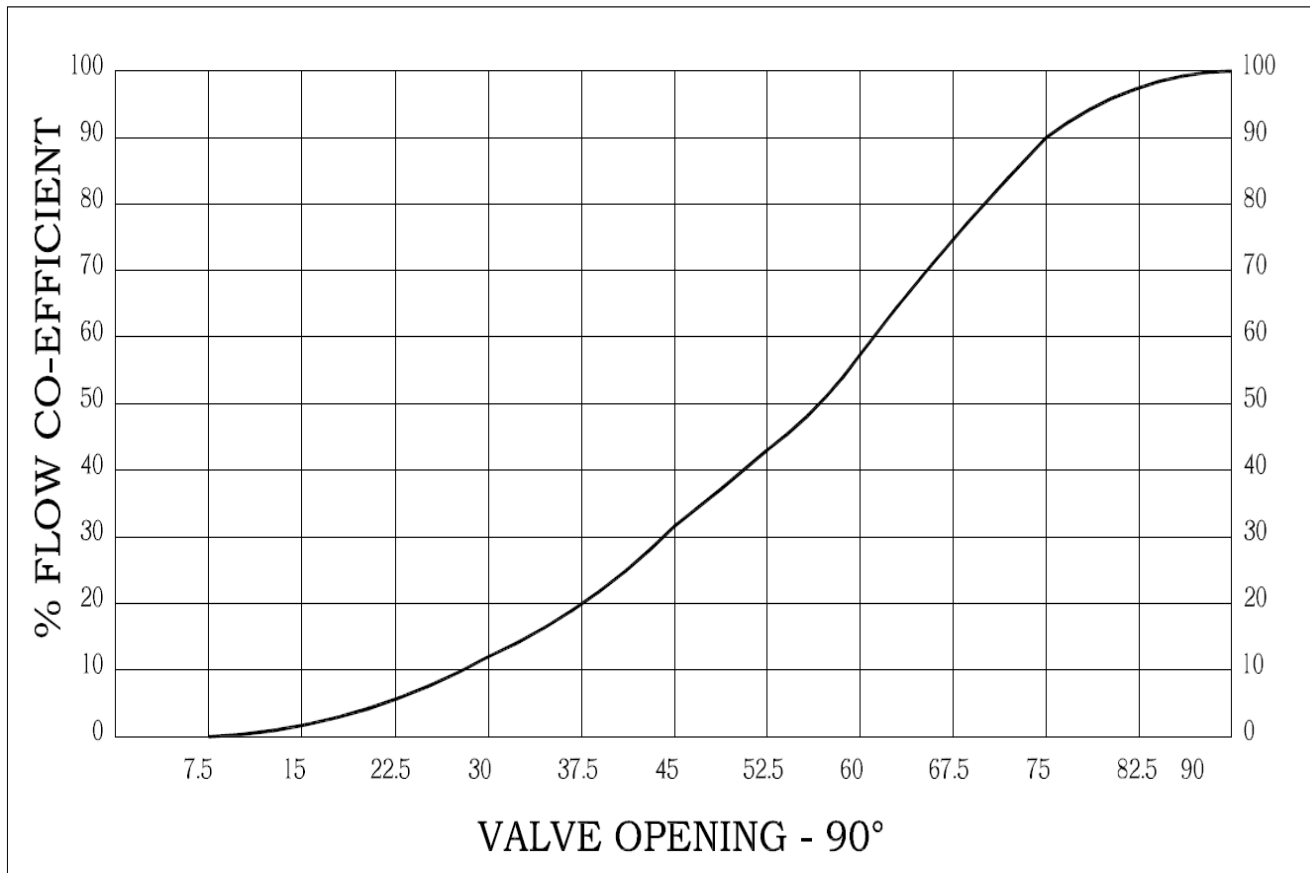
**BALL VALVE WITH
ROTARY ACTUATOR
AND MOR**

BUILT IN RELIABILITY

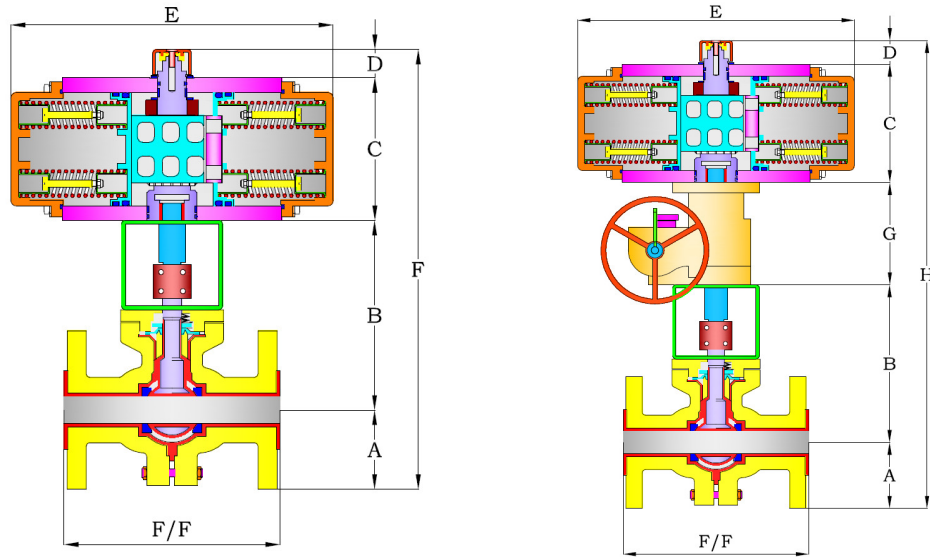
DESIGN FEATURES

- 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.
- “O” Ring used in Piston provides good pressure seals with minimum friction.
- Compact design hence reduced weight and low cost.
- SNS (LH/RH) spring in spring type.
The introduction of Pre Loaded spring cartridges, That removes the danger in the case of disassemble of spring return actuator and that allows easy change of spring number present inside.
- Long life over 100 thousand cycles

DEGREE OF OPENING Vs FLOW CO-EFFICIENT



BUILT IN RELIABILITY



VALVE SIZE mm	ACTUATOR MODEL	MOR	MOUNTING DIMENSION								
			F/F	A	B	C	D	E	F	G	H
15	SA-065	100	140	45	150	88	20	216	303	105	410
20	SA-065	100	140	49	153	88	20	216	310	105	415
25	SA-075	100	140	54	153	98	20	232	325	105	430
40	SA-085	100	165	64	157	109	22	271	350	105	455
50	SA-100	100	178	76	195	126	20	293	417	105	522
65	SA-115	450	203	89	220	141	20	346	470	125	595
80	SA-115	450	203	96	241	153	20	405	510	125	635
100	SA-125	450	228	115	293	187	30	475	625	125	750
150	SA-200	1000	267	140	367	248	30	641	785	125	910
200	SA-200	1000	294	171	450	248	30	641	900	125	1025

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