

Pneumatic / Electric actuator operated ball valve



MATERIALS

PART NAME	MATERIAL OPTION
Body	WCB / CF8 / CF8M / CF3M
End Connector	WCB / CF8 / CF8M / CF3M
Ball	CF8 / CF8M / CF3M
Ball Seat	PTFE / GFT
Stem Pin	AISI S.S. 304 / S.S. 316
Gland with Bush	S.S. 304
Body Seat	PTFE / CFT / GFT / PEEK / TFM
Stem Seat	PTFE / CFT / GFT / PEEK / TFM
Nut	M.S. / S.S.
Stud	M.S. / S.S.
Washer	M.S. / S.S.
Gland Fitting Bolt	S.S.
Actuator	STD

TECHNICAL STANDARDS

- Manufacturing Standard : BS 5351
- Face to Face : ANSI B16.10
- End Connection : Flanged Ends to ANSI B16.5 RF 150#
- Inspection And Testing Standard : BS 6755
- Fire Safe Design as per BS 6755 / API 607

KEY FEATURES

- Compact and simple construction provides ease in maintenance without disturbing insulations and piping.
- Easy Operation even under high pressure.
- Full circular passages.
- Easily replaceable PTFE seats & packing.
- Prolonged successful operation even under high pressure.

TEST PRESSURE 150# / 300#

TESTING	CLASS	BODY	SEAT
Hydraulic	150 #	425 psig	300 psig
Pneumatic	150 #	-----	100 psig
Hydraulic	300 #	1100 psig	800 psig
Pneumatic	300 #	-----	100 psig

DIMENSIONS

(All dimensions are in mm)

MODEL	Valve Size (MM)	Screwed L	Flanged 150#							
			L1	ØT	f	Port	ØR	ØF	ØJ	N K:PCD
PTBV - 15	15	64	108	8	2	13	34.9	90	15.9	4 60.3
PTBV - 20	20	70	117	8.9	2	19	42.9	100	15.9	4 69.9
PTBV - 25	25	88	127	96	2	25	50.8	110	15.9	4 79.4
PTBV - 32	32	105	140	11.2	2	32	63.5	115	15.9	4 88.9
PTBV - 40	40	114	165	12.7	2	38	73	125	15.9	4 98.4
PTBV - 50	50	130	178	14.3	2	49	92.1	150	19.05	4 120.7
PTBV - 65	65	170	190	15.9	2	62	104.8	180	19.05	4 139.7
PTBV - 80	80	200	203	17.5	2	74	127	190	19.05	4 152.4
PTBV - 100	100	210	229	22.3	2	100	157.2	230	19.05	8 190.5
PTBV - 125	125	-	254	22.3	2	125	185.7	255	22.2	8 215.9
PTBV - 150	150	-	267	23.9	2	150	215.9	280	22.2	8 241.3
PTBV - 200	200	-	292	27	2	201	269.9	345	22.2	8 298.5

OPTIONAL ACCESSORY

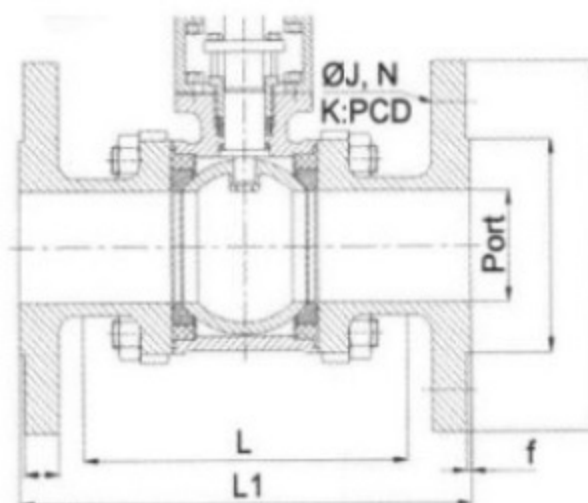
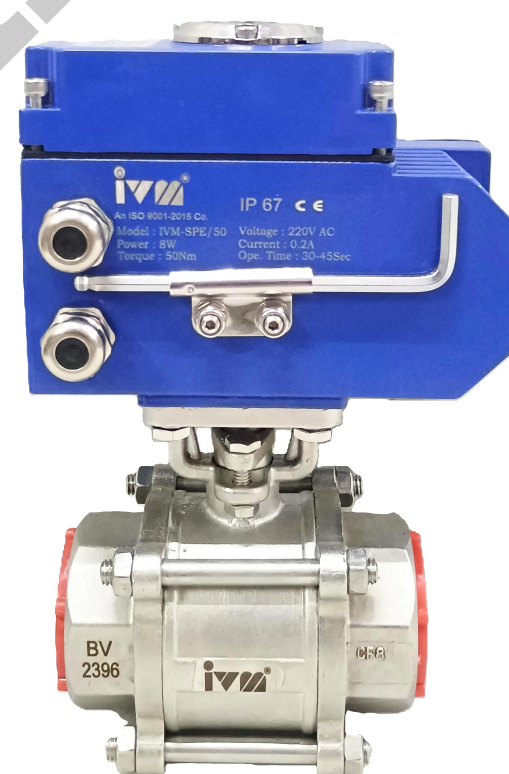
- On / Off Indicator
- Namur standard 5/2 & 3/2 way Solenoid Valve in all standard coil voltage (Flame proof solenoid coil on request)
- Pneumatic & Electro Pneumatic valve positioner.
- Declutchable manual over ride.
- Limit switch for on / off indication at panel board.
- FRL Set with pressure gauge.
- Volume Booster
- Air Lock Valve.
- Quick Exhaust Valve.

PTL MODEL ELECTRIC ACTUATOR

- Type : On / Off type
- Voltage : 24v, 36v, 110v, 220v, 380v, 415v
- Protection : IP 67
- L N Key type manual over ride.
- In Built Position monitor

Options available.

- Hand wheel type manual over ride
- Modulating type with LCD
- Intelligent control for remote/local operation
- Explosion Proof - OHQ series.



DIMENSIONS

(All dimensions are in mm)

MODEL	Valve Size (MM)	Flanged 300#								
		L1	ØT	f	Port	ØR	ØF	ØJ	N	K:PCD
PTBV - 15	15	140	12.7	2	13	34.9	95	15.9	4	66.7
PTBV - 20	20	152	14.3	2	19	42.9	115	19.05	4	82.6
PTBV - 25	25	165	15.9	2	25	50.8	125	19.05	4	88.9
PTBV - 32	32	178	17.5	2	32	63.5	135	19.05	4	98.4
PTBV - 40	40	190	19.1	2	38	73	155	22.2	4	114.3
PTBV - 50	50	216	20.7	2	49	92.1	165	19.05	8	127
PTBV - 65	65	241	23.9	2	62	104.8	190	22.2	8	149.2
PTBV - 80	80	282	27	2	74	127	210	22.2	8	168.3
PTBV - 100	100	305	30.2	2	100	157.2	255	22.2	8	200
PTBV - 125	125	381	33.4	2	125	185.7	280	22.2	8	235
PTBV - 150	150	403	35	2	150	215.9	320	22.2	12	269.9