

ESLON ELECTRIC BALL VALVE TYPE K



- Light weight and compact of actuator with aluminum die-cast housing.
- Excellent chemical and corrosion resistance.
- Visual position indicator on actuator.
- Easy flow control and water hammer prevention by slow action.
- Suitable for frequent operation with constant rating type of motor onboard.
- Conformity with CE.

Parts List

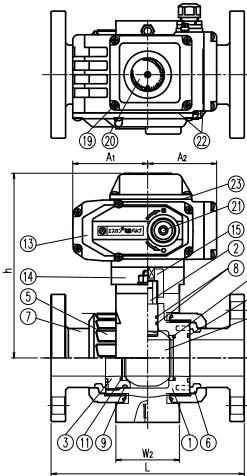
No.	Part Name	Q'ty	Material	No.	Part Name	Q'ty	Material
①	Body	1	PVC, HT, PP or PVDF	⑭	Yoke	1	AC4A
②	Stem	1	PVC, HT, PP or PVDF	⑮	Connector	1	ZDC2
③	Ball Stopper	—	PVC, HT, PP or PVDF	⑯	Upper Mount	1	FRP
④	Ball	1	PVC, HT, PP or PVDF	⑰	Lower Mount	1	FRP
⑤	Union Nut	2	PVC, HT, PP or PVDF	⑱	Insert Nut	2	C3601
⑥	Set Ring	2	PVC, HT, PP or PVDF	⑲	Thread	14	SUS304
⑦	Socket	2	PVC, HT, PP or PVDF	⑳	Indicator	1	Toughened glass
⑧	Stem O-Ring	—	EPDM or FKM	㉑	Manual handle pivot	1	S45C
⑨	Ball Stopper O-Ring	—	EPDM or FKM	㉒	Gasket	2	NBR
⑩	Union O-ring	2	EPDM or FKM	㉓	Gasket	1	NBR
⑪	Ball Seat O-Ring	2	EPDM or FKM	㉔	Rubber Cap	1	NBR
⑫	Ball Seat	2	PTFE	㉕	Cable gland	1	PA, G1/2
⑬	Actuator	1	ADC12	㉖	Ground terminal	1	SS400/Nickel plate

* Ground terminal is only for AC200/220V.
 * Stem O-ring material will be FKM+PTFE in case of oil free.

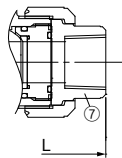
Important Notes

- Gasifying, volatile, or evaporating fluid such as hydrogen peroxide and sodium hypochlorite might rise inner pressure of valve and burst the valve. Please contact us concerning such risk. Gas relief type of customized ball valve which has relief orifice on the ball is available.
- Do not use for the fluid containing slurry, solid, sediment, or crystallized fluid. Or for those kinds of fluid, strainer should be used in upstream.

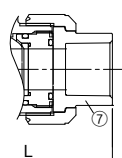
Flange Type



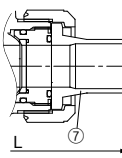
Thread Type



TS Socket Type



Butt Type



Size

Flange Type · Thread Type · TS Socket Type · Butt Type

Size		L							h	Actuator				W1	W2	X	Max. Working Pressure at Room Temp (MPa)	Time For Open/Close		Weight (kg/pc)	
A	B	Flange		Thread		TS Socket	Butt	A1		A2	B1	B2	50Hz					60Hz	Flange	Thread/TS Socket	
15	1/2	143	143	97	99	109	154	178	82.5	76	63.5	78	92	50	50	1.0	4	3.3	3.5	3.3	
20	3/4	172	172	117	116	132	162	180	82.5	76	63.5	78	92	50	50	1.0	4	3.3	3.8	3.4	
25	1	187	187	128	136	143	171	193	82.5	76	63.5	78	92	50	50	1.0	4	3.3	4.2	3.6	
32	1 1/4	190	190	146	148	166	177	197	82.5	76	63.5	78	98	60	55	1.0	15	12.5	4.7	4.0	
40	1 1/2	212	212	163	169	175	192	204	82.5	76	63.5	78	117	70	70	1.0	15	12.5	5.5	4.9	
50	2	234	234	188	196	203	206	211	82.5	76	63.5	78	135	70	85	1.0	15	12.5	6.5	5.5	
65	2 1/2	259	257	227	227	259	—	239	82.5	76	63.5	78	163	90	115	1.0	15	12.5	8.5	7.3	
80	3	304	301	278	278	304	—	295	97.5	109	67	80.5	198	110	140	1.0	30	25	14.9	13.8	
100	4	372	372	330	330	390	—	325	97.5	109	67	80.5	240	110	180	1.0	30	25	20.8	19.8	

Unit:mm

Option

No-voltage limit switch	Potentiometer
Space heater	

Max. Operating Temperature

Material	Max. (°C)
PVC	50
HT	90
PP	80
PVDF	100

Conforming Standard

Connection	Standard	Classification
Flange	JIS10K	JIS B 2220
	ANSI	ASME / ANSI B16.5
	DIN/ISO	DIN EN 1092-1 PN-10
Socket	JIS	JIS K 6743, AS21(65A)
	ASTM	ASTM D2467
	DIN/ISO	DIN8063
Thread	JIS	JIS B 0203(Rc)
	ANSI	ANSI B1.20.1(NPT)
	DIN/ISO	DIN2999(Rc,Rp)
Butt	DIN/ISO	DIN8077 (PP)
		ISO10931 (PVDF)

*For flange, dimension of bolt holes conforming the standards

Specification of Actuator

Nominal diameter(A)	15~65A	80~100A	
Input system	Power switching system		
Contact output	Power supply voltage		
Operating voltage	Single-phase AC100,200V(50/60Hz)		
Motor	Type	Reversible motor	
	Time rating	Continuous rating	
Protect	Thermal protect inside Adjustable mechanical stopper for open and close-side		
Rated current	100/110V	0.7/0.9A	0.65/0.70A
	200/220V	0.4/0.5A	0.35/0.40A
Manual operation	Drive shaft direct operation		
Connector type	G1/2 Conduit(t Cable OD φ9-11)		
Material	ADC12 Epoxy coating		
Protection	IP66		