

JIS

ANSI / ASTM

DIN / ISO

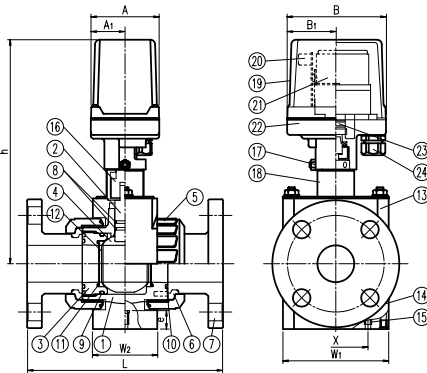
ELECTRIC

ESLON ELECTRIC BALL VALVE TYPE N

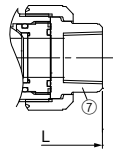


- Light weight and compact of actuator with aluminum die-cast housing.
- Excellent chemical and corrosion resistance.
- Available 2 type of rotation speed by motor, standard type and high speed type for open-close operation.
- Visually confirmable valve action and open-close position, available manual open-close operation.

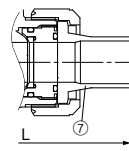
● Flange Type



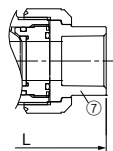
● Thread Type



● Butt Type



● TS Socket Type



■ Parts List

No.	Part Name	Q'ty	Material
①	Body	1	PVC, HT, PP or PVDF
②	Stem	1	PVC, HT, PP or PVDF
③	Ball Stopper	—	PVC, HT, PP or PVDF
④	Ball	1	PVC, HT, PP or PVDF
⑤	Union Nut	2	PVC, HT, PP or PVDF
⑥	Set Ring	2	PVC, HT, PP or PVDF
⑦	Socket	2	PVC, HT, PP or PVDF
⑧	Stem O-Ring	—	EPDM or FKM
⑨	Ball Stopper O-Ring	—	EPDM or FKM
⑩	Union O-Ring	2	EPDM or FKM
⑪	Ball Seat O-Ring	2	EPDM or FKM
⑫	Ball Seat	2	PTFE
⑬	Upper Mount	1	FRP
⑭	Lower Mount	1	FRP
⑮	Insert Nut	2	C3601
⑯	Connector	1	C3604
⑰	Thread	1	SUS304
⑱	Yoke	1	SUS304
⑲	Actuator Cover	1	PC
⑳	Terminal Block	1	—
㉑	Synchronous motor	1	—
㉒	Actuator base	1	ADC-12
㉓	Micro Switch	2	—
㉔	Cable connector	1	PA

⚠ 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.

■ Size

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

Size		L						h		Actuator				Max. Working Pressure at Room Temp (MPa)			Time For Open-Close				Weight (kg/pc)		
A	B	Flange		Thread		TS Socket	Butt	Standard Type	Higher Speed Type	A	A ₁	B	B ₁	W ₁	W ₂	X	Standard Type	Higher Speed Type	Flange	Thread-TS Socket			
		PVC-HT	PP-PVDF	PVC	PVDF	PVC-HT	PVDF														50Hz	60Hz	50Hz
15	1/2	143	143	97	99	109	154	166	193	74	37	107	36	92	50	50	1.0	5.4	4.5	3	2.5	2.0	1.7
20	3/4	172	172	117	116	132	162	168	195	74	37	107	36	92	50	50	1.0	15.5	13	3	2.5	2.2	1.8
25	1	187	187	128	136	143	171	181	208	74	37	107	36	92	50	50	1.0	15.5	13	3	2.5	2.5	2.0
32	1 1/4	190	190	146	148	166	177	228	228	74	37	107	53	98	60	55	1.0	16	13.5	6	5	3.3	2.7
40	1 1/2	212	212	163	169	175	192	244	244	74	37	107	53	117	70	70	1.0	16	13.5	6	5	3.9	3.4
50	2	234	234	188	196	203	206	—	331	160	93	175	105	135	70	85	1.0	—	—	3~4	—	11.0	10.0
65	2 1/2	259	257	227	227	259	—	—	351	160	93	175	105	163	90	115	1.0	—	—	3~4	—	14.0	13.0
80	3	304	301	278	278	304	—	—	377	160	93	175	105	198	110	140	1.0	—	—	6~10	—	18.0	17.0
100	4	372	372	330	330	390	—	—	412	160	93	175	105	240	110	180	1.0	—	—	6~10	—	24.5	24.0

*Stem O-ring material will be FKM+PTFE in case of oil free.

Unit:mm

■ 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

■ Max. Operating Temperature

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

■ Option

No-voltage limit switch

■ Specification of Actuator

Type	Standard Type		Higher Speed Type	
Nominal diameter(A)	15~32A	40A	15~40A	50~100A
Input system	Power switching system			
Contact output	Power supply voltage			
Operating voltage	Single-Phase AC100/110,200/220V (50/60Hz)			
Motor	Type	Inductor type synchronous motor		
	Time rating	15 minutes rating under loading rate 20%		
Protect	Thermal protect inside	Thermal protect inside	Thermistor type	
Power consumption	16VA	19VA	50VA	100VA max.
Manual operation	Release of the screw lock		Drive shaft direct operation	
Connector type	G3/8 wire connector (φ5~φ10.5Cable cable)			
Material	ADC acrylic resin baking finish			
Protection	IP65			
Other	Space Heater			