

JIS

ANSI/ASTM

DIN/ISO

# ESLON ELECTRIC YP BALL VALVE

ELECTRIC



- Unique flow channel design of the ball enable precise flowrate control.
- Automatic open/close control with 4- 20mA signal input.
- Excellent chemical and corrosion resistance with epoxy resin coated aluminum actuator.
- Compact and high durability motor onboard.
- Visual position indicator built in the actuator.

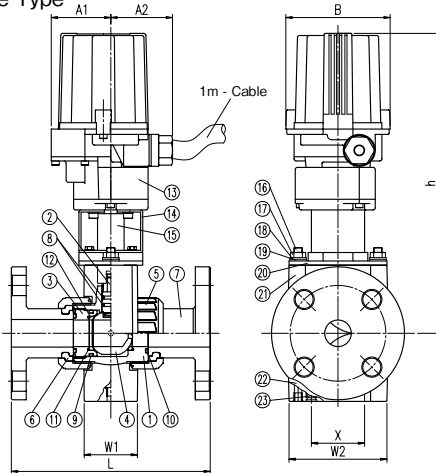
## Parts List

No.	Part Name	Q'ty	Material
①	Body	1	PVC
②	Stem	1	PVC
③	Ball Stopper	1	PVC
④	Ball	1	PVC
⑤	Union Nut	2	PVC
⑥	Set Ring	2	PVC
⑦	Socket	2	PVC
⑧	Stem O-Ring	15-32A: 1 40, 50A: 2	EPDM or FKM
⑨	Ball Stopper O-Ring	1	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	Electric Actuator	1	—
⑭	Yoke	1	SUS304
⑮	Joint	1	SUS303
⑯	Stud Bolt	2	SUS304
⑰	Nut	2	SUS304
⑱	Spring Washer	2	SUS304
⑲	Washer	2	SUS304
⑳	Yoke	1	FRP
㉑	Upper Mount	1	FRP
㉒	Lower Mount	1	FRP
㉓	Insert Nut	2	C3601

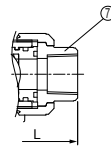
\*Stem O-ring material will be FKM+PTFE in case of oil free.

Unit:mm

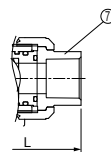
## Flange Type



## Thread Type



## TS Socket Type



## Size

Flange Type · Thread Type · TS Socket 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		A1	A2	B						Flange	Thread/TS Socket
15	1/2	143	97	109	267	63	58	98	93	53	50	1.0	10	3.5	3.1
20	3/4	172	117	132	270	63	58	98	93	53	50	1.0	10	4.0	3.5
25	1	187	128	143	282	63	58	98	93	53	50	1.0	10	4.5	4.0
32	1 1/4	190	146	166	286	63	58	98	98	61	55	1.0	10	5.0	4.5
40	1 1/2	212	163	175	336	56	118	110	117	70	70	1.0	13	6.0	5.5
50	2	234	188	203	343	56	118	110	135	70	85	1.0	13	7.0	6.4

## Max. Operating Temperature

Material	Max. (°C)
PVC	50

## Specification of Actuator

Nominal diameter(A)	15~32A	40-50A
Operating voltage	DC24V	
Power consumption	14.4W	
Motor type	Synchronous motor	
Protective function	·Overload (lock) protection function ·Re-starting limit timer	
Opening detection	Potentiometer	
Input signal	DC4-20mA (Input resistance250Ω)	
Output signal	DC1~5V (Allowable load resistance 5kΩ or more)	
Resolution	1/1000	
Manual operation	None.	Drive shaft operation
Connector type	G1/2 female screw with 1m-cable	
Material	ADC	
Protection class	IP55	

## 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
	ASTM	ASTM D2467
Thread	DIN/ISO	DIN8063
	JIS	JIS B 0203(Rc)
	ANSI	ANSI B1.20.1(NPT)
	DIN/ISO	DIN2999(Rc,Rp)

\*For flange, dimension of bolt holes conforming the standards

## Important Notes

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.