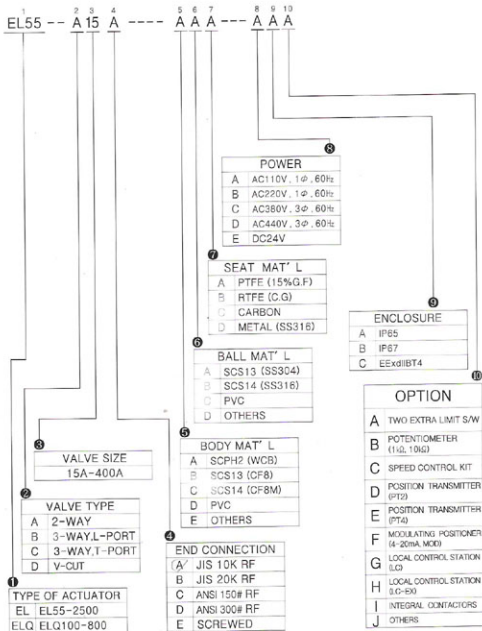


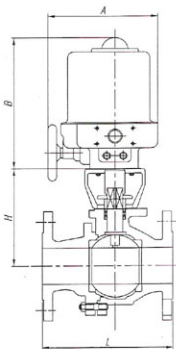
# ELECTRIC BALL VALVE

(ORDERING INFORMATION)



# ELECTRIC ACTUATOR & VALVE

## 2-WAY FLANGED BALL VALVE



### SPECIFICATIONS

Enclosure	IP-68 (IP-67 optional or explosion-proof in EC and EFTA)	Materials	steel, aluminum alloy & bronze
Temperature	standard: 0°C to +70°C	Finish	one coated, hot-dip Galvan
Connections	by 1/2 point internal terminal strip	Life	max. 50,000 operations
		Material	stainless
			10 shut

MODEL	EL-55	EL-100	EL-150	EL-200
Horizontal rotation	90°	90°	90°	90°
Adjustment - wings	0°-150°	0°-110°	0°-110°	0°-110°
Adjustment - switches	0°-150°	0°-110°	0°-110°	0°-110°
Voltage	24VDC	24VDC	24VDC	24VDC
	110/120VAC-50Hz	110/120VAC-50Hz	110/120VAC-50Hz	110/120VAC-50Hz
	230/240VAC-50Hz	230/240VAC-50Hz	230/240VAC-50Hz	230/240VAC-50Hz
Manual override	Handwheel	Handwheel	Handwheel	Handwheel
Visual indication	Full-sized window	Full-sized window	Full-sized window	Full-sized window
Indication switches	2xWAGO 15A	2x15A	2x15A	2x15A
Torque switches	SPDT	SPDT	SPDT	SPDT
Wiring rating	30%	30%	30%	30%
Fail protection	Motor Thermalist	Motor Thermalist	Motor Thermalist	Motor Thermalist

ORDERING INFORMATION (please order by description not code)  
 ACTUATORS : EL100V500 = X3      = EL150 actuator in 24VDC voltage with two sets normal built-in  
 ALL OPTIONS : 300V-100      = two extra torque switches for EL-150 actuator

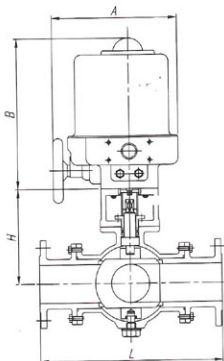
PART NAME	MATERIAL
BODY	SCS 13
DISC	SCS 13
STEM	SUS 304
SEAT	PTFE
CONNECTION	JIS 10K RF

### \*\* DIMENSION / STANDARD MODEL

MODEL	SIZE	H	B	L	A
EL 55	15A	120	255	108	190
	20A	126	255	117	190
	25A	134	255	127	190
EL 55	32A	152	255	140	190
EL 100	40A	162	292	165	217
	50A	185	292	178	217
EL 150	65A	190	217	190	217
EL 200	80A	241	315	203	279
EL 350	100A	259	315	229	279
EL 500	125A	337	318	356	323
EL 800	150A	362	356	394	323
EL 1600	200A	433	378	457	391

# ELECTRIC ACTUATOR & VALVE

## 3-WAY FLANGED BALL VALVE



### SPECIFICATIONS

Stroke : 90° (or 45° optional)  
 maximum speed to 1.5m/s (174  
 standard) 20°C to + 50°C  
 Temperature  
 conditions : by 12 point interval limited step

Material : steel, aluminum alloy & bronze  
 Finish : zinc plated, two-part epoxy  
 Life : min. 50,000 operations  
 Torque : 10 Nm

MODEL	EL-55	EL-100	EL-150	EL-200
Maximal rotation	90°	90°	90°	90°
Adjustment valve	—	—	—	—
→ stroke	9-020°	0-200°/100°	0-110°	0-110°
Stroke	120VAC 110/120VAC-1Ph 200/240VAC-1Ph 200/240VAC-3Ph	240VAC 110/120VAC-1Ph 230/240VAC-1Ph 230/240VAC-3Ph	240VAC 110/120VAC-1Ph 230/240VAC-1Ph 230/240VAC-3Ph	240VAC 110/120VAC-1Ph 230/240VAC-1Ph 230/240VAC-3Ph
stroke switch	—	Hand reset	Hand reset (EL-150: distributed) Hand reset (EL-150: ball valve)	Hand reset (distributed) Hand reset (distributed)
Visual indicator	—	Fail closed window	closed arrow (EL-150: ball valve)	Ball window
Indication switches (at 110/120VAC)	2xSA SPDT	2xSA/10A SPDT	2xSA SPDT	2xSA SPDT
Torque switches	—	—	2xSA SPDT	2xSA SPDT
Delay timing	3-5s	3-5s	3-5s	3-5s
Ball position	Motor Thermostat	Motor Thermostat	Motor Thermostat + Torque switches	Torque switches

### -Valve Material

PART NAME	MATERIAL
BODY	SCS 13
DISC	SCS 13
STEM	SUS 304
SEAT	PTFE
CONNECTION	JIS 10K RF

### \* : DIMENSION / STANDARD MODEL

MODEL	SIZE	H	B	L	A
EL 55	15A	138	255	180	190
EL 55	20A	145	255	190	190
EL 55	25A	155	255	200	190
EL 100	40A	180	292	240	217
EL 100	50A	205	292	260	217
EL 150	65A	228	292	320	217
EL 200	80A	279	315	360	279
EL 350	100A	326	315	430	279
EL 500	125A	394	318	520	323
EL 800	150A	424	356	560	323
EL 1600	200A	501	378	660	391

ORDERING INFORMATION (please order by description and code)  
 ACTUATORS : EL-100VAC + XS = EL-100 actuator in 24VDC voltage with 100 sets parameter  
 KIT OPTIONS : XS1-100 = two extra torque switches for EL-100 actuator