

JIS

ANSI/ASTM

DIN/ISO

ELECTRIC

ESLON ELECTRIC DIAPHRAGM VALVE TYPE KS



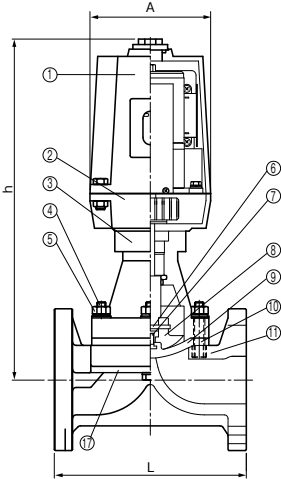
- Excellent chemical and corrosion resistance with Epoxy resin coated aluminum actuator.
- Compact and high durability motor onboard.
- Easy flow control and water hammer prevention by slow action.
- Visual position indicator on actuator.
- Manual open-close operation is available by attached box wrench.

Parts List

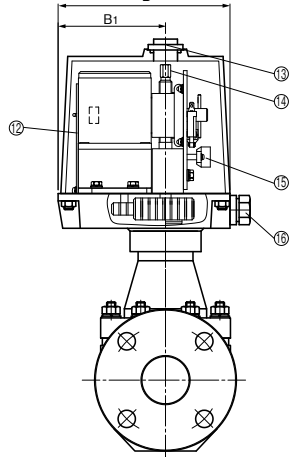
No.	Part Name	Q'ty	Material
①	Cover	1	AC-4/Painted by Epoxy Resin
②	Actuator base	1	AC-3/Painted by Epoxy Resin
③	Bonnet	1	AC-7/Painted by Epoxy Resin
④	Bolt	-	SUS304
⑤	Nut	-	SUS304
⑥	Spring Pin	1	SUS304
⑦	Stud bolt	1	SUS304
⑧	Compressor	1	GF-PP
⑨	Diaphragm	1	EPDM or PTFE
⑩	Stud Bolt	-	SUS304
⑪	Body	1	PVC, HT, PP or PVDF
⑫	Indicator	1	-
⑬	Open-Close Plug	1	PP
⑭	Open-Close Stem	1	SUS304
⑮	Terminal Block	1	Phenol Resin
⑯	Conduit gland	1	G1/2
⑰	Supporting Plate	2	50A以下 SUS304 65A以上 SS400 Painted by Epoxy Resin
⑱	Union Nut	2	PVC, HT or PVDF
⑲	O-ring	2	EPDM or FKM
⑳	Connections	2	PVC, HT or PVDF

●Quantity of ④, ⑤, and ⑩ differ depending on size of valve.

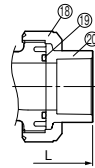
● Flange Type



● Thread Type



● TS Socket Type



■ Size

Flange Type · Thread Type · TS Socket 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	A		B	B1	EPDM	PTFE	50Hz	60Hz		
15	1/2	110	133	144	185	266	112	150	93	0.7	0.5	12	10	5.0	
20	3/4	120	158	172	200	277	112	150	93	0.7	0.5	14	12	5.5	
25	1	130	181	187	212	285	112	150	93	0.7	0.5	15	13	6.0	
32	1 1/4	142	188	210	210	285	112	150	93	0.7	0.5	15	13	6.3	
40	1 1/2	180	248	262	273	349	132	188	118	0.7	0.5	11	9	9.5	
50	2	210	280	298	300	387	132	188	118	0.7	0.5	20	17	10.5	
65	2 1/2	250	-	-	-	435	132	188	118	0.7	0.5	36	30	12.5	
80	3	280	-	-	-	511	200	237	154	0.5	0.3	38	32	22.0	
100	4	340	-	-	-	562	200	237	154	0.5	0.3	50	45	27.5	
125	5	410	-	-	-	595	200	238	154	0.5	0.2	72	61	35.0	
150	6	480	-	-	-	601	200	238	154	0.5	0.2	90	72	43.0	

Unit:mm

●Dimension D and H2 of PP and PVDF may differ from the dimension table. Please refer to the approval drawing.

■ 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
Thread	DIN/ISO	DIN8063
	JIS	JIS B 0203(Rc)
	ANSI	ANSI B1.20.1(NPT)
Butt	DIN/ISO	DIN2999(Rc, Rp)
	DIN/ISO	DIN8077 (PP) ISO10931 (PVDF)

●For flange, dimension of bolt holes conforming the standards

■ Max. Operating Temperature

Material	Max. (°C)
PVC	TS Socket, Thread 50
	Flange 60
HT	90
PP	90
PVDF	Thread, Butt 100
	Flange 120

■ Option

No-voltage limit switch
Space heater

■ Specification of Actuator

Nominal diameter(A)	15~32A	40~65A	80A	100A	125~150A	
Input system	Power switching system					
Contact output	Power supply voltage					
Operating voltage	Single-phase AC100,200V(50/60Hz)					
Motor	Type	Reversible motor				
	Time rating	30 minutes rating				
Protect	15~32A: impedance protect inside					
	40~150A: Thermal protect inside					
Rated current	100V	0.3A	0.8A	1.0A	1.4A	2.0A
	200V	0.15A	0.4A	0.5A	0.7A	1.0A
Manual operation	Drive shaft direct operation					
Connector type	G1/2Conduit connector (max.φ10.5 Cabtire cable)					
Material	AC-4 Epoxy coating					
Protection	IP63					

▲ Important Notes

Fluid containing slurry, solid, sediment, or crystallized fluid might disable sealing.

