

# 3-Way Ball Valve Type 23 (Electric actuated Type T) 15mm-100mm (1/2 inch-4 inch)

**Body Material**

PVC  
C-PVC  
PP  
PVDF

**O-ring Material**

EPDM  
FKM

**Connection Standard**

Socket End JIS  
Socket End ASTM SCH80  
Socket End DIN  
Threaded End Rc  
Threaded End NPT  
Threaded End Rp  
Flanged End JIS10K  
Flanged End ANSI CLASS150  
Flanged End DIN PN10

**Power Source**

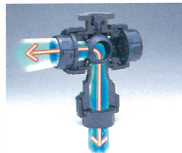
Single-Phase  
AC100V/110V  
AC200V/220V

**Equipment**

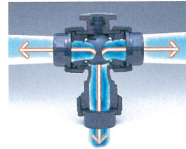
<AOC-00>  
Manual Operation Mechanism  
Output Contact Limit Switches  
Indicator  
<AOC-0>  
Manual Operation Mechanism  
Space Heater  
Output Contact Limit Switches  
Indicator

**Option**

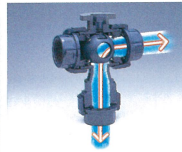
<AOC-00>  
Space Heater  
<AOC-0>  
Intermediate Limit Switch(no-volt)  
Space Heater  
Potentiometer  
E-E Positioner



Left Side Open



Middle Position



Right Side Open

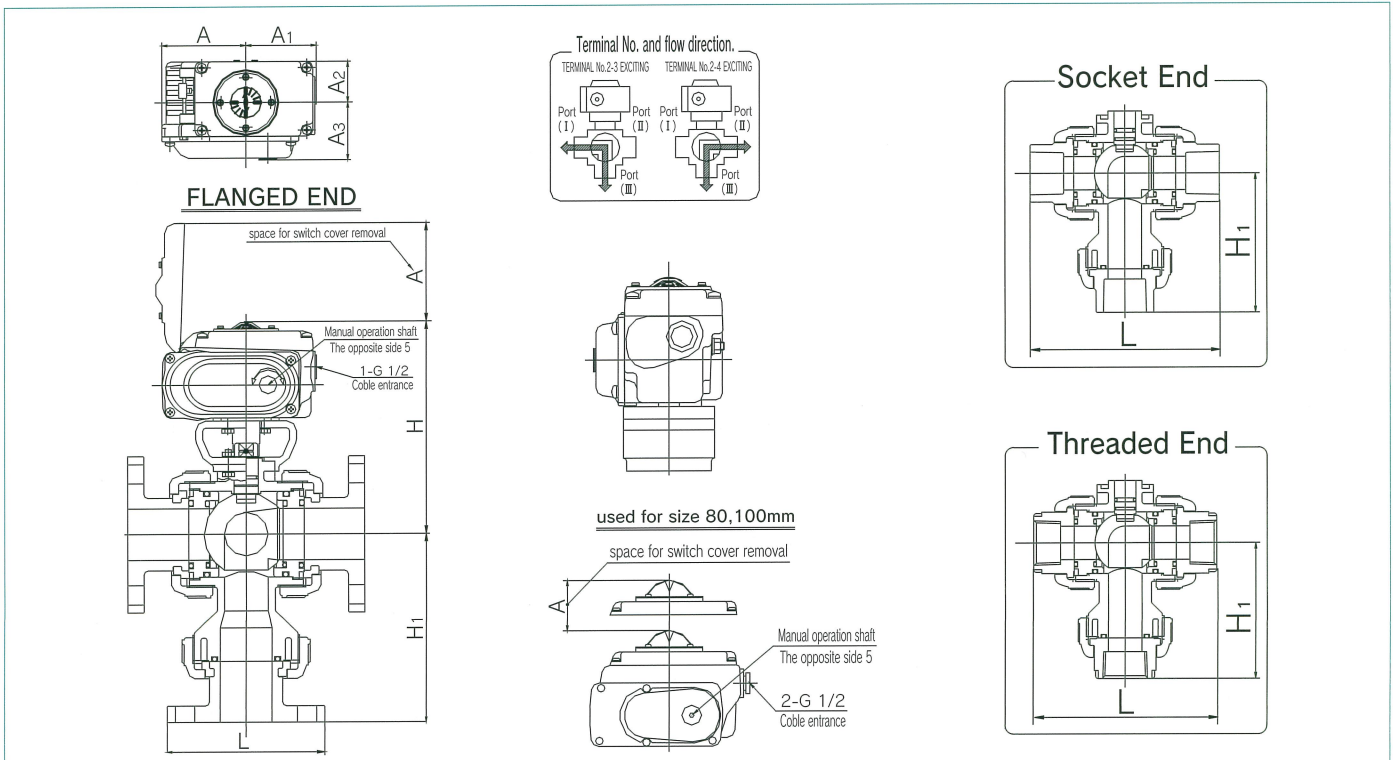
**FEATURES**

- Motor is built into the body. Light-Weight and Compact with high Torque.
- Stopper enables adjustment of an angle of  $\pm 5$  degree at Full-Right Open or Full Left Open position on right/left side.
- Opening Indicator is easy to read.

**ACTUATOR SPECIFICATION**

Nominal Size mm(inch)	15 - 50 (1/2inch - 2inch)	80 - 100 (3inch - 4inch)	
Actuator Type	AOC-00	AOC-0	
Cycle Time 50/60Hz(seconds)	10/8	25/20	
Motor Output(W)	8	8	
Motor Starting Current(A) 50/60Hz	100V	0.8/0.8	1.2/1.2
	110V	1.0/1.0	1.4/1.4
	200V	0.5/0.5	0.5/0.5
	220V	0.7/0.7	0.7/0.7
Motor Rated Current(A) 50/60Hz	100V	0.4/0.4	0.5/0.5
	110V	0.5/0.5	0.6/0.6
	200V	0.25/0.25	0.25/0.25
	220V	0.30/0.30	0.39/0.40
Number of Revolutions of Manual Operating Handle	7.5	10	
Limit Switch Capacity	AC 250V 5A	AC 250V 10A	
Protective Structure	JIS C 0920 Waterjet proof type (IP65)		
Cable Connector Nominal Size	G1/2		
Motor Pole(P)	4		
Motor Insulation	E Class		
Motor Time Rating(minute)	30		

**DIMENSIONS FIGURE**

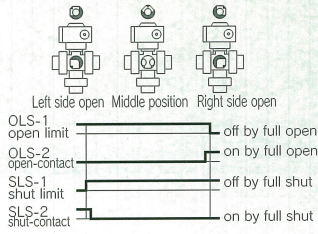


**SCHEMATIC DIAGRAM**

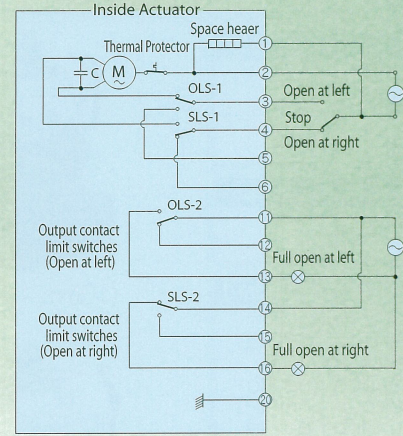
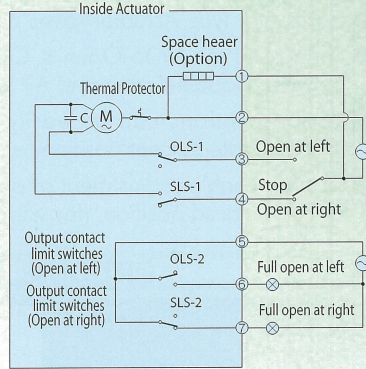
**WIRING DIAGRAM**

15mm-50mm

Switching Chart



80mm · 100mm



**DIMENSIONS TABLE**

JIS, ANSI, DIN

Unit:mm(inch)

Nominal Size			15 (1/2)	20 (3/4)	25 (1)	40 (1 1/2)	50 (2)	80 (3)	100 (4)	
Flanged End	L	Common	JIS	143 (5.63)	172 (6.77)	187 (7.36)	212 (8.35)	234 (9.21)	304 (11.97)	372 (14.65)
			DIN	130 (5.12)	150 (5.91)	160 (6.3)	200 (7.87)	230 (9.06)	310 (12.2)	350 (13.78)
			ANSI	143 (5.63)	172 (6.77)	187 (7.36)	212 (8.35)	234 (9.21)	304 (11.97)	372 (14.65)
	H <sub>1</sub>	Common	JIS	94 (3.7)	115 (4.53)	133 (5.24)	165 (6.5)	187 (7.36)	256 (10.08)	305 (12.01)
			DIN	88 (3.46)	104 (4.09)	120 (4.72)	159 (6.26)	185 (7.28)	259 (10.2)	305 (12.01)
			ANSI	94 (3.7)	114 (4.5)	133 (5.24)	165 (6.5)	186 (7.34)	256 (10.06)	305 (12.01)
Threaded End	L	Common	JIS	102 (4.02)	120 (4.72)	131 (5.16)	163 (6.42)	197 (7.76)	264 (10.39)	360 (14.17)
			DIN	102 (4.02)	120 (4.72)	131 (5.16)	163 (6.42)	197 (7.76)	264 (10.39)	338 (13.31)
			ANSI	102 (4.02)	120 (4.72)	131 (5.16)	163 (6.42)	197 (7.76)	264 (10.39)	360 (14.17)
	H <sub>1</sub>	Common	JIS	74 (2.91)	89 (3.5)	105 (4.13)	141 (5.55)	168 (6.61)	235 (9.25)	299 (11.77)
			DIN	74 (2.91)	89 (3.5)	105 (4.13)	141 (5.55)	168 (6.61)	235 (9.25)	299 (11.77)
			ANSI	73 (2.89)	88 (3.48)	105 (4.13)	140 (5.53)	168 (6.61)	235 (9.25)	299 (11.77)
Socket End	L	PVC, C-PVC	JIS	108 (4.25)	128 (5.04)	145 (5.71)	189 (7.44)	220 (8.66)	316 (12.44)	418 (16.46)
			DIN	102 (4.02)	120 (4.72)	131 (5.16)	163 (6.42)	197 (7.76)	282 (11.1)	349 (13.74)
			ANSI	113 (4.45)	129 (5.08)	146 (5.75)	184 (7.24)	209 (8.23)	282 (11.1)	- ( - )
		PP	JIS	108 (4.25)	124 (4.88)	139 (5.47)	171 (6.73)	196 (7.72)	260 (10.24)	332 (13.07)
			DIN	99 (3.9)	114 (4.49)	123 (4.84)	148 (5.83)	176 (6.93)	251 (9.88)	310 (12.2)
			ANSI	113 (4.45)	129 (5.08)	146 (5.75)	184 (7.24)	209 (8.23)	282 (11.1)	365 (14.37)
	PVDF	DIN	99 (3.9)	114 (4.49)	123 (4.84)	148 (5.83)	176 (6.93)	251 (9.88)	310 (12.2)	
		ANSI	113 (4.45)	129 (5.08)	146 (5.75)	184 (7.24)	209 (8.23)	282 (11.1)	365 (14.37)	
		H <sub>1</sub>	PVC, C-PVC	JIS	77 (3.03)	90 (3.54)	110 (4.33)	145 (5.71)	169 (6.65)	244 (9.61)
	DIN			72 (2.83)	85 (3.35)	104 (4.09)	142 (5.59)	170 (6.69)	245 (9.65)	305 (12.01)
	ANSI			78 (3.07)	129 (5.08)	146 (5.75)	184 (7.24)	209 (8.23)	282 (11.1)	- ( - )
	PP		JIS	77 (3.03)	92 (3.62)	110 (4.33)	145 (5.71)	166 (6.54)	232 (9.13)	289 (11.38)
DIN			71 (2.80)	83 (3.27)	100 (3.94)	131 (5.16)	154 (6.06)	224 (8.82)	279 (10.98)	
ANSI			78 (3.07)	92 (3.62)	111 (4.37)	149 (5.87)	172 (6.77)	282 (11.10)	365 (14.37)	
PVDF	DIN	71 (2.80)	83 (3.27)	100 (3.94)	131 (5.16)	154 (6.06)	224 (8.82)	279 (10.98)		
	ANSI	78 (3.07)	92 (3.62)	111 (4.37)	149 (5.87)	172 (6.77)	282 (11.10)	365 (14.37)		
	Common	H		169.5 (6.67)	176 (6.93)	183 (7.21)	200.5 (7.89)	212 (8.35)	289 (11.38)	327 (12.88)
W			154.5 (6.08)	154.5 (6.08)	154.5 (6.08)	154.5 (6.08)	154.5 (6.08)	202 (7.95)	202 (7.95)	
P			99 (3.90)	99 (3.90)	99 (3.90)	99 (3.90)	99 (3.90)	138.8 (5.47)	138.8 (5.47)	
A			100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)	

**WORKING PRESSURE VS. TEMPERATURE**

