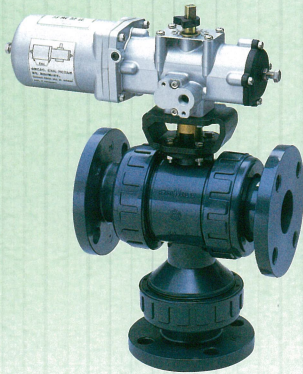


3-Way Ball Valve Type 23 (Pneumatic actuated Type TA) 15mm-100mm (1/2inch-4inch)

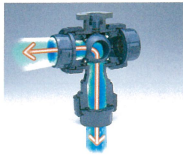
- Body Material**
PVC
C-PVC
PP
PVDF
- O-ring Material**
EPDM
FKM
- Connection Standard**
Flanged End (JIS, ANSI, DIN)
Threaded End
Socket End
- Action**
Double Acting
Air to Open
Air to Close
- Equipment**
Opening Adjustment Stopper (± 5 degree)
Indicator
- Option**
· Filter Regulator
· Solenoid Valve
· Limit Switch
· Speed Controller
· Full Opening Adjustment Mechanism
· Positioner



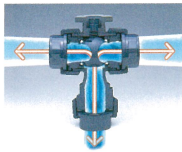
Air to Open, Air to Close



Double Acting



Left Side Open



Middle Position



Right Side Open

FEATURES

- Horizontal Type Actuator saves piping space.
- Spring unit for Air to Open & Close is detachable so that change-over between Double-Acting and Air to Open & Close can be done easily.
- Various options can be easily installed or removed and can be mounted later(except positioners).
- Stopper enables adjustment of angle of ±5 degree at fully-Opened or Fully-Closed position.

OPTIONAL EQUIPMENT

Combination No.	1	2	3	4	5	6	7	8	9
Solenoid Valve ※	○	—	—	○	○	—	○	—	—
Filter Regulator	—	—	—	○	—	—	—	—	○
Speed Controller	◎	○	—	◎	◎	○	◎	—	—
Limit Switch	—	—	○	—	○	○	○	—	—
Positioner (Electric-Air, Air-Air)	—	—	—	—	—	—	—	○	○

◎Indicates specialized for Solenoid Valve.

※With built-in speed controller and bypass valve.

* for the actuator with lubricant free valves consult near Asahi dealer.

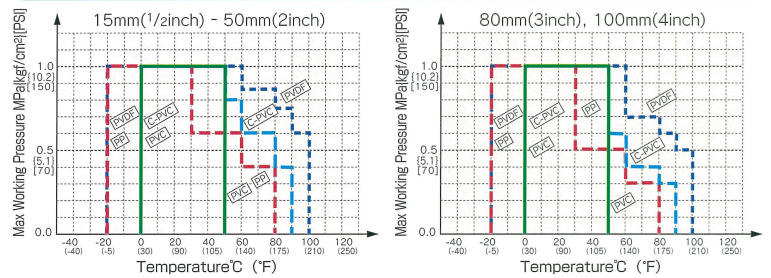
ACTUATOR SPECIFICATION [Double Acting]

Nominal Size mm(inch)	15 - 25 (1/2inch - 1inch)	40-50 (1 1/2inch-2inch)	80(3inch)	100(4inch)
Actuator Type	TA2A-0402D	TA2A-050D	TA2A-063D	TA2A-080D
Operating Pressure Mpa{kgf/cm ² }	0.4{4.1} - 0.7{7.1}			
Air Consumption NI /Open & Close (at operating pressure 0.4NPa)	0.5	0.9	1.7	3.2
Air Supply Bore	Rc 1/8	Rc 1/4		

ACTUATOR SPECIFICATION [Air to Open,Air to Close]

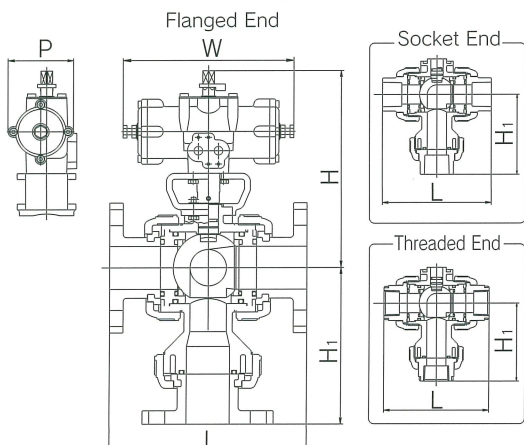
Nominal Size mm(inch)	15 - 25 (1/2inch - 1inch)	40-50 (1 1/2inch-2inch)	80(3inch)	100(4inch)
Actuator Type	TA2A-0402R	TA2A-050R	TA2A-063R	TA2A-080R
Operating Pressure Mpa{kgf/cm ² }	0.4{4.1} - 0.7{7.1}			
Air Consumption NI /Open & Close (at operating pressure 0.4NPa)	0.8	1.7	3.3	6.1
Air Supply Bore	Rc 1/4			

WORKING PRESSURE VS. TEMPERATURE

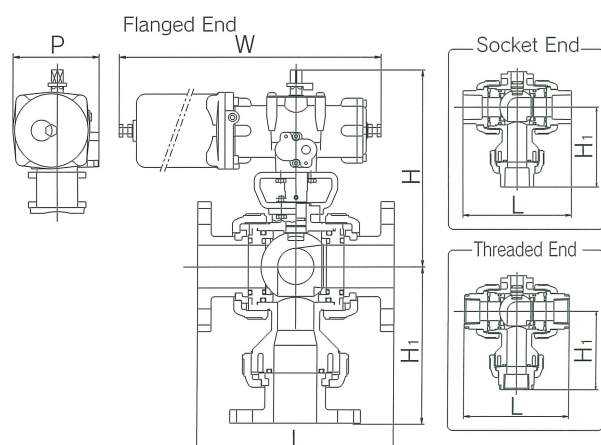


DIMENSIONS FIGURE

Double Acting



Air to Open, Air to Close



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 ₁		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 ₁		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)	126 (4.96)	141 (5.55)	171 (6.73)	192 (7.56)	258 (10.16)	340 (13.39)
			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 ₁	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		JIS	78 (3.07)	90 (3.54)	108 (4.25)	142 (5.59)	166 (6.54)	233 (9.17)	285 (11.22)
			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	159.5 (6.28)	166 (6.54)	173 (6.81)	224 (8.82)	235.5 (9.27)	277 (10.91)	348 (13.7)	
Double Acting	W	110 (4.33)	110 (4.33)	110 (4.33)	210 (8.27)	210 (8.27)	250 (9.84)	292 (11.5)		
	P	57 (2.24)	57 (2.24)	57 (2.24)	82 (3.23)	82 (3.23)	95 (3.74)	116 (4.57)		
Air to Open, Air to Close	W	249 (9.8)	249 (9.8)	249 (9.8)	345 (13.58)	345 (13.58)	413 (16.26)	487 (19.17)		
	P	92 (3.62)	92 (3.62)	92 (3.62)	103 (4.06)	103 (4.06)	119 (4.69)	141.5 (5.57)		