

# Butterfly Valve Type 57,56 (Pneumatic Actuated Type TA)40mm-400mm(1 1/2inch-16inch) Type 57:40mm-350mm(1 1/2inch-16inch), Type 56:400mm(16inch)

### Body Material

PVC  
PP  
PVDF

### Seat & O-ring Material

EPDM  
FKM  
Others

### Connection Standard

JIS 10K · JIS 5K  
ANSI CLASS 150  
DIN PN10

### Action

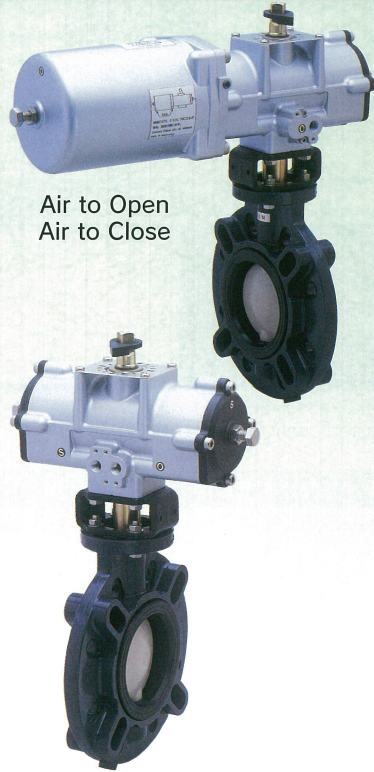
Double Acting  
Air to Open  
Air to Close

### Equipment

- Opening Adjustment Stopper ( ± 5 degree)
- Indicator

### Option

- Filter Regulator
- Solenoid Valve
- ※ with built-in specialized speed controller and bypass valve.
- Limit Switch
- Speed Controller
- Manual Operation Mechanism
- ※ Only for air to open & close.
- Full Opening Adjustment Mechanism
- Positioner



Air to Open  
Air to Close

Double Acting

## FEATURES

- Horizontal Type Actuator saves Piping Space.
- Spring unit for Air to Open & Close is detachable so 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 ±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.

## ACTUATOR SPECIFICATION [Double Acting]

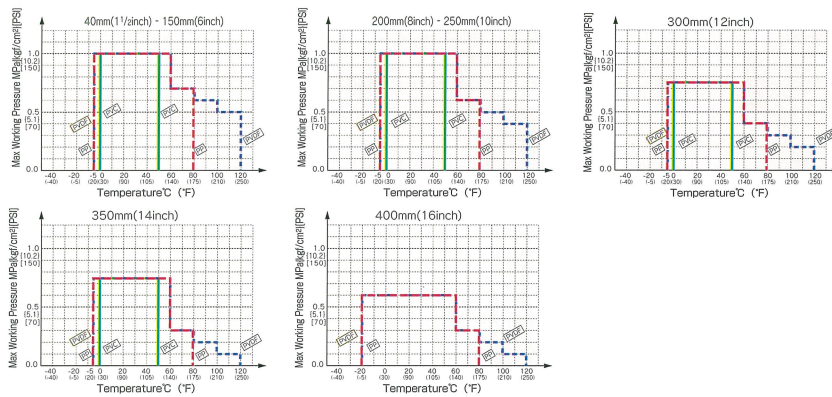
Nominal Size mm(inch)	40-50(1 1/2inch-2inch)	65-80(2 1/2inch-3inch)	100-125(4inch-5inch)	150(6inch)	200(8inch)	200-300(8inch-12inch)	350(14inch)	400(16inch)
Actuator Type	TA2A-050D	TA2A-063D	TA2A-080D	TA2A-100D	TA2A-125D	TA2A-160D	TA-200D	TA-200D
Operating Pressure MPa[kgf/cm <sup>2</sup> ]	0.4{4.1} - 0.7{7.1}							
Air Consumption NI /Open & Close (at Operating Pressure 0.4NPa)	0.9	1.7	3.2	6.6	13.3	27.1	56.8	56.8
Air Supply Bore	Rc 1/4						Rc 3/8	Rc 3/8

## ACTUATOR SPECIFICATION [Air to Open, Air to Close]

Nominal Size mm(inch)	40-50(1 1/2inch-2inch)	65-80(2 1/2inch-3inch)	100-125(4inch-5inch)	150(6inch)	200(8inch)	200-300(8inch-12inch)	350(14inch)	400(16inch)
Actuator Type	TA2A-050R	TA2A-063R	TA2A-080R	TA2A-100R	TA2A-125R	TA2A-160R	TA-200R	TA-200R
Operating Pressure MPa[kgf/cm <sup>2</sup> ]	0.4{4.1} - 0.7{7.1}							
Air Consumption NI /Open & Close (at Operating Pressure 0.4NPa)	1.7	3.3	6.1	12.8	21.6	42.7	68.4	56.8
Air Supply Bore	Rc 1/4						Rc 3/8	Rc 3/8

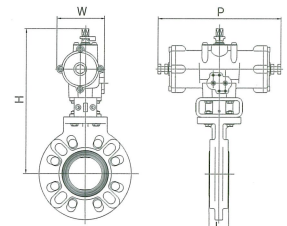
\* for the actuator with lubricant free valves consult near Asahi dealer.

## WORKING PRESSURE VS. TEMPERATURE

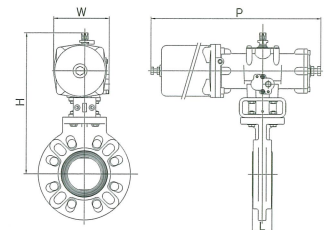


## DIMENSIONS FIGURE

### Double Acting



### Air to Open Air to Close



## DIMENSIONS TABLE

JIS, ANSI, DIN											Unit:mm(inch)	
Nominal Size	40 (1 1/2)	50 (2)	65 (2 1/2)	80 (3)	100 (4)	125 (5)	150 (6)	200 (8)	250 (10)	300 (12)	350 (14)	400 (16)
Common	L	39 (1.54)	42 (1.65)	46 (1.81)	46 (1.81)	56 (2.20)	66 (2.60)	71 (2.80)	87 (3.43)	112 (4.40)	129 (5.08)	169 (6.65)
	H	263 (10.35)	273 (10.75)	298 (11.73)	313 (12.32)	361 (14.21)	382 (15.04)	428 (16.85)	493 (19.41)	541 (21.3)	598 (23.54)	751 (29.57)
Double Acting	W	82 (3.23)	82 (3.23)	95 (3.74)	95 (3.74)	116 (4.57)	116 (4.57)	143 (5.63)	150 (5.90)	181 (7.13)	181 (7.13)	214 (8.43)
	P	210 (8.27)	210 (8.27)	250 (9.84)	250 (9.84)	292 (11.50)	292 (11.50)	362 (14.25)	440 (17.32)	532 (20.94)	532 (20.94)	664 (26.14)
Air to Open, Air to Close	W	103 (4.06)	103 (4.06)	119 (4.69)	119 (4.69)	142 (5.59)	142 (5.59)	174 (6.86)	193 (7.60)	231 (9.09)	231 (9.09)	292 (11.50)
	P	345 (13.58)	345 (13.58)	413 (16.26)	413 (16.26)	487 (19.18)	487 (19.18)	598 (23.55)	762 (30.00)	924 (36.38)	924 (36.38)	1275 (50.20)