

# Diaphragm Valve Type 14 (Pneumatic Actuated Type AV) 65mm-100mm(2 1/2 inch-4 inch)

- Body Material**
  - PVC
  - C-PVC
  - PP
  - PVDF
- Diaphragm Material**
  - PTFE
  - EPDM
  - FKM
  - Viflon C (FKM-C)
  - Viflon F (FKM-F)
- Connection Standard**
  - JIS 10K
  - ANSI CLASS150
  - DIN PN10
- Action**
  - Double Acting
  - Air to Open
  - Air to Close
- Equipment**
  - Indicator
- Option**
  - Filter Regulator
  - Solenoid Valve
  - Limit Switch
  - Speed Controller
  - Manual Override
  - ※ for air to open
  - Positioner



## FEATURES

- A Closing Travel Stop mechanism is standard.
- NAMUR Standard is applied for air piping.

## 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)	—	—	—	—	—	—	—	○	○

## ACTUATOR SPECIFICATION [Double Acting]

Nominal Size mm(inch)	65(2 1/2inch)	80(3inch)	100(4inch)
Actuator Type	—	—	—
Operating Pressure Mpa(kg/cm <sup>2</sup> )	0.4{4.1} - 0.6{6.1}		
Air Consumption NI /open & close (at operating pressure 0.4NPa)	10.3	11.9	20.7
Air Supply Bore	Rc 1/4		

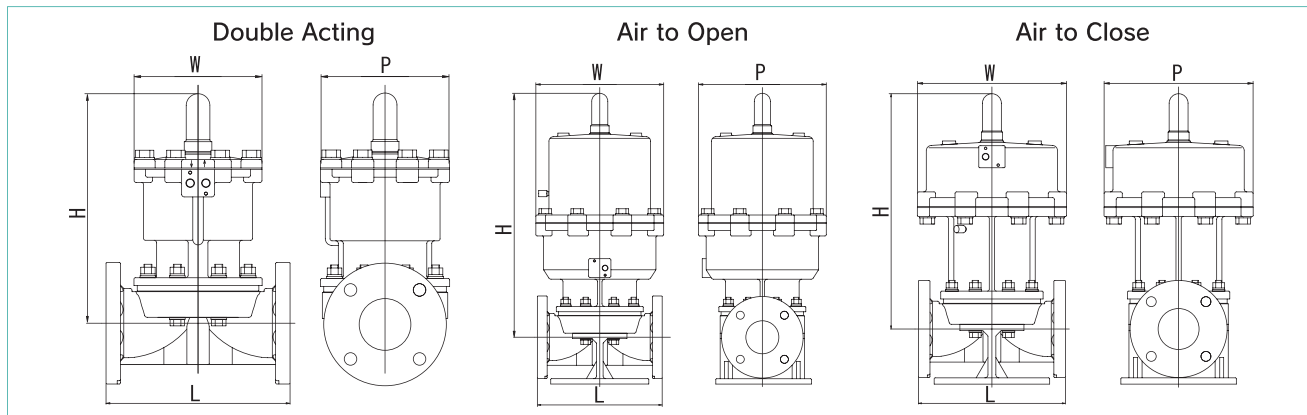
## ACTUATOR SPECIFICATION [Air to Open]

Nominal Size mm(inch)	65(2 1/2inch)	80(3inch)	100(4inch)
Actuator Type	—	—	—
Operating Pressure Mpa(kg/cm <sup>2</sup> )	0.4{4.1} - 0.6{6.1}		
Air Consumption NI /open & close (at operating pressure 0.4NPa)	10.6	15.9	34.3
Air Supply Bore	Rc 1/4		

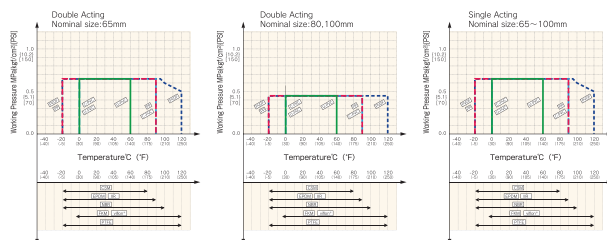
## ACTUATOR SPECIFICATION [Air to Close]

Nominal Size mm(inch)	65(2 1/2inch)	80(3inch)	100(4inch)
Actuator Type	—	—	—
Operating Pressure Mpa(kg/cm <sup>2</sup> )	0.4{4.1} - 0.6{6.1}		
Air Consumption NI /open & close (at operating pressure 0.4NPa)	9.4	11.7	26.5
Air Supply Bore	Rc 1/4		

## DIMENSIONS FIGURE



## WORKING PRESSURE VS. TEMPERATURE



## DIMENSIONS TABLE

JIS, ANSI, DIN				Unit:mm(inch)				
Common	L	Nominal Size	Nominal Size	Nominal Size	Air to Open			
					65 (2 1/2)	80 (3)	100 (4)	
Double Acting	H	JIS	250 (9.84)	280 (11.02)	340 (13.39)	473 (18.62)	550 (21.65)	601 (23.66)
		DIN	290 (11.42)	310 (12.2)	350 (13.78)	280 (11.02)	305 (12.01)	385 (15.16)
		ANSI Standard	250 (9.84)	280 (11.02)	340 (13.39)	280 (11.02)	305 (12.01)	385 (15.16)
	W	ANSI G Standard	—	263 (10.37)	328 (12.93)	423 (16.65)	455 (17.91)	509 (20.04)
		H	323 (12.72)	354 (13.94)	417 (16.42)	280 (11.02)	305 (12.01)	385 (15.16)
		P	208 (8.19)	208 (8.19)	250 (9.84)	280 (11.02)	305 (12.01)	385 (15.16)