

# JEONGDO

Inflatable Seated Butterfly Valve

**PS Series**

Jeongdo Machinery is developing superior quality, top performance, reliable products for the future of the valve industry in Korea.



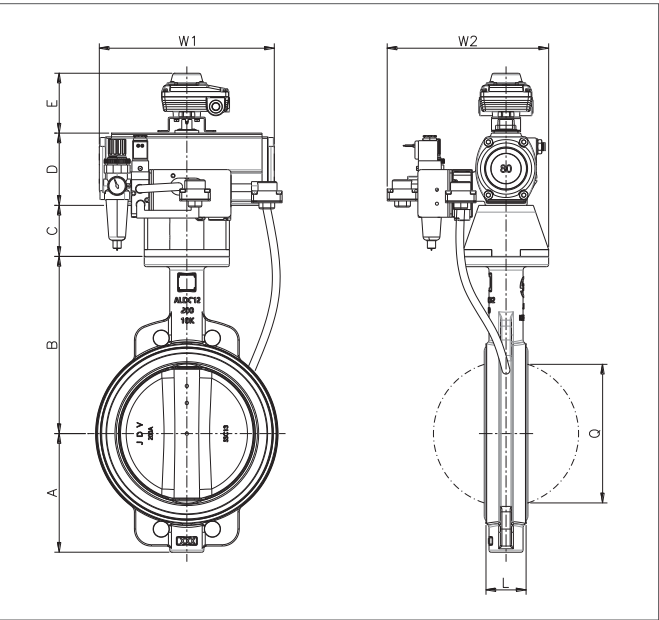
# Concentric Butterfly Valve - PS Series

## Inflatable seated Butterfly Valve

It is an effective butterfly valve applied to a pipe line where dry air or powder are transported or where frequent operation is required.



- **Structure**
  - **Body Type**
  - **Max. Pressure**
  - **Air Supply**
  - **Temperature Range**
  - **Size**
  - **Seat**
  - **Flange Connection**
- Concentric  
Wafer  
Full vacuum to 7 bar  
Max. 8bar to seat  
0°C ~ 120 °C  
50mm ~ 600mm  
EPDM / NBR  
KS/JIS 10K, ASME 150, PN10



### Dimension (50mm~600mm)

Size		A	B	C	D	E	L	W1	W2
mm	inch								
50A	2"	80	160	80	70	75.6	43	162	200
65A	2.5"	90	175	80	70	75.6	46	162	200
80A	3"	95	180	80	70	75.6	46	162	200
100A	4"	115	200	80	70	75.6	52	162	200
125A	5"	125	215	80	70	75.6	56	162	200
150A	6"	140	225	80	87	75.6	56	202	240
200A	8"	175	260	100	106	75.6	60	253	240
250A	10"	205	290	100	106	75.6	68	253	240
300A	12"	240	335	100	128	75.6	78	311	240
350A	14"	265	370	100	128	75.6	78	311	240
400A	16"	310	400	150	154	93	102	390	300
450A	18"	330	420	150	172	93	114	431	300
500A	20"	365	480	150	196	93	127	506	400
600A	24"	460	560	150	254	93	154	605	450

• Dimensions are subject to change without notice. / Face-to-Face dimensions(L) are in accordance with the KS B 2813 Series 46 and API 609 category B.

## Features

### Longer valve life

- Less Friction
- Minimal seat wear



After the disc rotates, the air is supplied to inflate the seat. The operation method enable no friction occurs between the seat and the disc, damage and wear of the seat are minimized, and the valve has the longer life cycle.

### High sealing performance

- Even pressure distribution



As a product using air pressure, it distributes the pressure equally inside the seat and has excellent sealing performance.

### Disc designed to prevent material buildup



The disc with a streamlined shape minimizes the accumulation of powders and sludges in the pipe line.

### Lower actuator costs

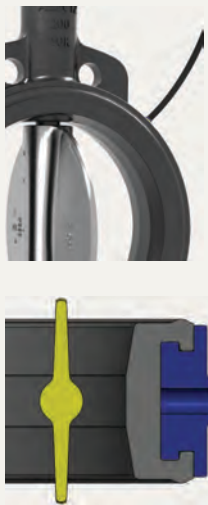
- Ultra-low torque requirements



Since the torque generated when rotating the disc is low, a smaller actuator can be applied, which enables cost reduction.

## How it works (Open to Close)

### OPEN



### CLOSE (UNSEALED)



### CLOSE (SEALED)





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