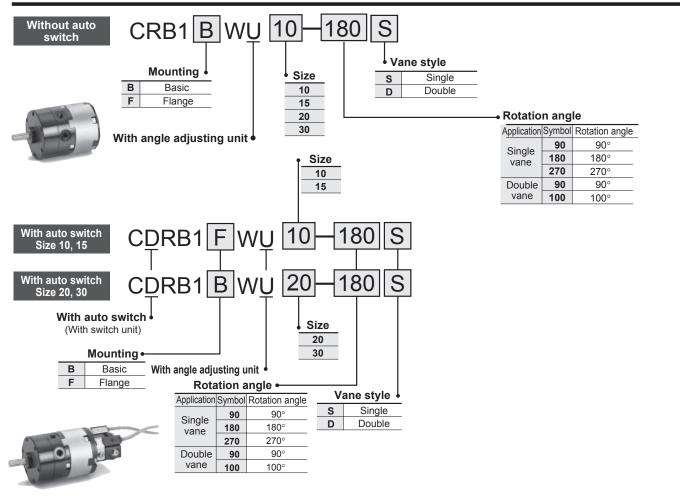
Rotary Actuator

Series CRB1BWU

Vane Style/Size:10, 15, 20, 30

How to order



Rotary Actuator/Vane Style Series CRB1

Size 10, 15, 20, 30/With angle adjuster

Single vane CRB1BWU10/15/20/30-\B

Double vane CRB1BWU10-□D

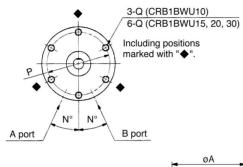
◆ 3-M3 X 0.5

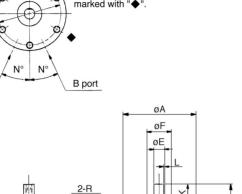
Depth 6

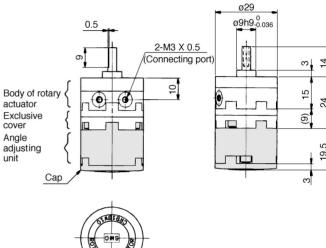


The three positions marked with "★" are

threads to used exclusirely to tighten body, and cannot be used for outer

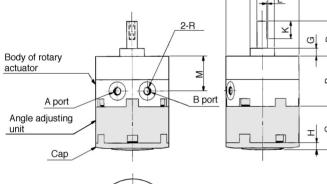




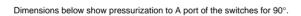


B port

25







Dimensions below show the rotation middle position during pressurization to A port or

Double vane

CRB1BWU15/20/30-□D

Size of double vane style: The outer dimensions of 15, 20, 30 and the sizes shown in the dimension table are same as those of single vane size 15, 20, 30 styles.

Model	А	В	С	D	E (g6)	F (h9)	G	Н	К	L	М	N	Р	Q
CRB1BWU10-□S	29	15	19.5	14	4	9	3	3	9	0.5	10	25	24	M3 X 0.5 Depth6
CRB1BWU15-□S CRB1BWU15-□D	34	20	21.2	18	5	12	4	3.2	10	0.5	15	25	29	M3 X 0.5 Depth5
CRB1BWU20-□S CRB1BWU20-□D	42	29	25	20	6	14	4.5	4	10	0.5	20	25	36	M4 X 0.7 Depth7
CRB1BWU30-□S CRB1BWU30-□D	50	40	29	22	8	16	5	4.5	12	1	30	25	43	M5 X 0.8 Depth10

Model	R						
Wodei	90° 100°		180°	270°			
CRB1BWU10-□S	M5 X 0.8		M5 X 0.8	M3 X 0.5			
CRB1BWU10-□D	Refer to the drawings above.*						
CRB1BWU15-□S	M5 X 0.8		M5 X 0.8	M3 X 0.5			
CRB1BWU15-□D	M3 2	X 0.5					
CRB1BWU20-□S	M5 X 0.8		M5 2	X 0.8			
CRB1BWU20-□D	M5 2	X 0.8					
CRB1BWU30-□S	M5 X 0.8		M5 X 0.8				
CRB1BWU30-□D	M5 2	X 0.8					

Series CRB1

Construction

 $\begin{tabular}{ll} \textbf{Standard} (Keys in the illustrations below show the intermediate rotation position.) \\ \end{tabular}$

For 270° (Top view

from long shaft side) Single vane

For 180° (Top view from long shaft side)

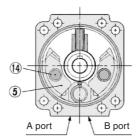
Single vane

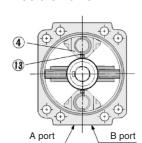
For 90° (Top view from long shaft side)

Single vane

For 90° (Top view from long shaft side)

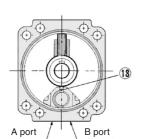
Double vane

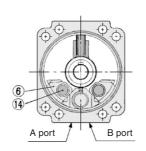


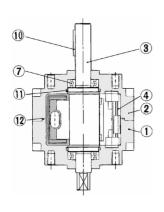


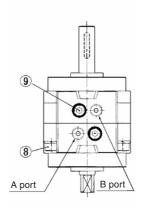


No.	Description	Material	Note			
	Pody (A)	Aluminum die-casted	CRB1BW50/63/80, painted			
1	Body (A)	Cast aluminum	CRB1BW100, painted			
(2)	Body (B)	Aluminum die-casted	CRB1BW50/63/80, painted			
(2)	Body (B)	Cast aluminum	CRB1BW100, painted			
3	Vane shaft	Carbon steel				
4	Stopper	Aluminum die-casted				
(5)	Stopper	Resin	For 90°			
6	Stopper	Resin	For 180°			
7	Bearing	High carbon chrome bearing steel				
8	Hexagon socket (with washer)	Carbon steel				
9	Fuji lock bolt	Carbon steel				
10	Parallel keyway	Carbon steel				
11)	O-ring	NBR				
12	O-ring	NBR	Special O-ring			
13	Stopper seal	NBR	Special seal			
14)	Holding rubber	NBR				





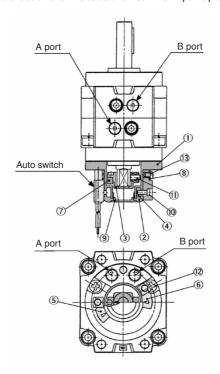




(Short shaft side)

With auto switch

(Keys in the illustrations below show the actuator for 180° when A port is pressurized.)



Component Parts

	•		
No.	Description	Material	Note
1	Cover (A)	Resin	
2	Cover (B)	Resin	
3	Magnet lever	Resin	
4	Holding block	Aluminum alloy	
5	Switch block (A)	Resin	
6	Switch block (B)	Resin	
7	Magnet	Magnetic body	
8	Arm	Stainless steel	
9	Rubber cap	NBR	
10	Round head Phillips screw	Stainless steel	
11)	Hexagon socket head set screw	Stainless steel	
12	Round head Phillips screw	Carbon steel	For CDRB1BW50/63/80
	Hexagon socket head cap screw	Carbon steel	For CDRB1BW100
13	Round head Phillips screw	Stainless steel	
	•		•

