

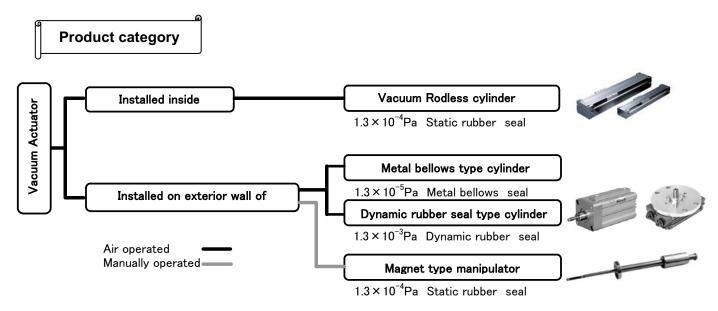
#### **SMC CORPORATION**

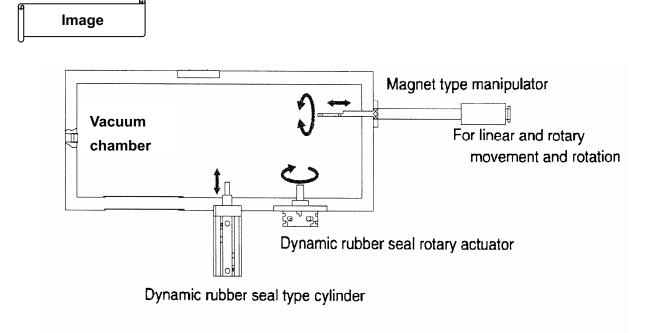
Akihabara UDX 15F 4-14-1 Sotokanda, Chiyoda-ku Tokyo 101-0021, JAPAN URL: http://www.smcworld.com

# Actuators for vacuum applications

Features: \* Transport equipment in a vacuum chamber

\*Actuator with dynamic rubber seals, to be
installed on the external wall of the chamber





# **Specifications**

### 1. Dynamic rubber seal type cylinder

Model no.	CDQ2BS40-50Z-DCN9876N
Bore size	φ40
Stroke	50 mm
Max. operating pressure	1. 0 MPa
Leakage	1. 0×10 <sup>−7</sup> Pam³∕s
Ambient / operating air	−10~60°C
temperature	
Cushion	Rubber bumper
Auto switch	Reed auto switches [D-A93 (2 pieces)]

### 2. Dynamic rubber seal type rotary actuator

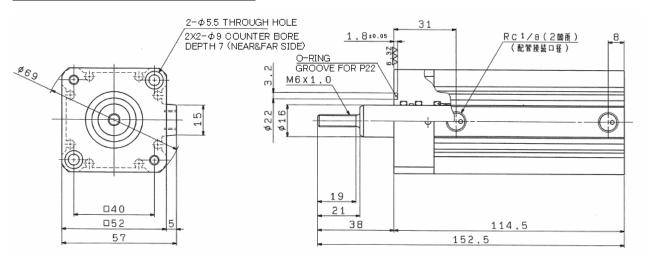
Model no.	CDRQ2BS20-90-DIH00514
Action	Rack-and-pinion
Size	Size 20
Rotation	90°
Rotation adjustment range	$+/-5^{\circ}$ at each end of rotation
Max. operating pressure	1. 0 MPa
Leakage	1. 0×10 <sup>−7</sup> Pam <sup>3</sup> ∕s
Ambient / operating air	0~60°C
temperature	
Cushion	No cushion
Auto switch	Solid-state auto switches [D-F9NWV (2 pieces)]

### 3. Magnet type manipulator

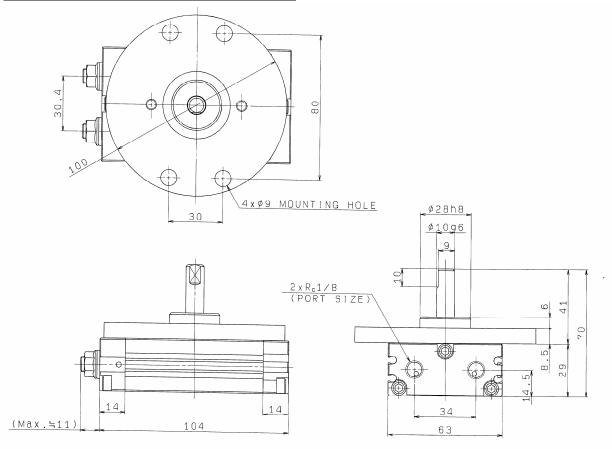
Model no.	CYV15-DCG5363G-stroke
Bore size	φ15
Stroke	Max 300 mm
Operating method	Manual
Leakage	1. 3×10 <sup>-9</sup> Pam³∕s
Ambient / operating air	−10 <b>~</b> 60°C
temperature	
Rotating torque	0. 18 N•m
Magnetic holding force	40 N

## Construction and Dimensions: mm

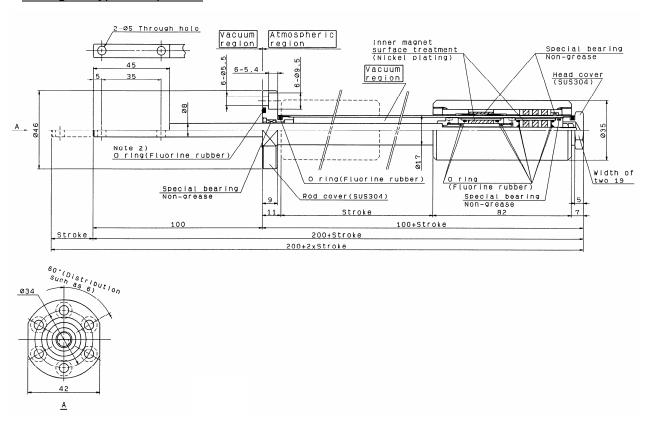
### 1. Dynamic rubber seal type cylinder



#### 2. Dynamic rubber seal type rotary actuator



#### 3. Magnet type manipulator



Caution: To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety instructions" in our "Best Pneumatics" general catalog before use.

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