



## Specifications

Model			MRHQ10	MRHQ16	MRHQ20	MRHQ25
Fluid			Air			
Operating pressure	Rotary unit		0.25 to 0.7 MPa		0.25 to 1.0 MPa	
	Gripper unit	Double acting	0.25 to 0.7 MPa	0.1 to 0.7 MPa		
		Single acting	0.35 to 0.7 MPa	0.25 to 0.7 MPa		
Rotation angle			90° ±10°, 180° ±10° (Both ends of vibration ±5° adjustable)			
Gripper action			Double acting, Single acting			
Finger opening/closing repeatability			±0.01mm			
Gripper maximum operating frequency			180 c.p.m			
Ambient and fluid temperature			5 to 60°C			
Adjustable rotation time range <sup>(1)</sup>			0.07 to 0.3 s/90° (at 0.5 MPa)			
Allowable kinetic energy			0.0046 J	0.014 J	0.034 J	0.074 J
Auto switch	Rotary unit		Solid state auto switch (2-wire, 3-wire)			
	Gripper unit		Solid state auto switch (2-wire, 3-wire)			

Note 1) Operate within the speed adjustment range, as speed control exceeding the limit value of the low speed may cause sticking or failure to operate.

## Model

Action	Model	Cylinder bore (mm)	Opening/Closing stroke (mm)	Rotating angle (°)	Mass (g) <sup>(1)</sup>
Double acting	MRHQ10D	10	4	90	306
				180	305
	MRHQ16D	16	6	90	593
				180	591
	MRHQ20D	20	10	90	1055
				180	1052
	MRHQ25D	25	14	90	1561
				180	1555
Single acting	MRHQ10S MRHQ10C	10	4	90	307
				180	306
	MRHQ16S MRHQ16C	16	6	90	594
				180	592
	MRHQ20S MRHQ20C	20	10	90	1060
				180	1057
	MRHQ25S MRHQ25C	25	14	90	1566
				180	1560

Note 1) Values do not include auto switch mass.

## Gripper Rotation Range/View from Gripper Side

- The figure at the right indicates the position of the gripper when pressure is applied to port B.
- When pressure is applied to port A, the gripper rotates clockwise.
- Both ends of vibration can be adjusted ±5° with the adjusting bolt.

