

Rotary Joint

RJC-062L RJH-062M

Specifications

- Assist oil and air supply back to rotating object even under high pressure or high speed.
- Rotary part is made of metal seal, guaranteeing its prolonged usage life as well as durability.
- Rotary torque can be maintained stable under different supply pressures.

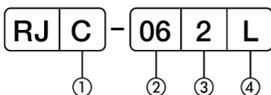


Specifications

Model No.		Unit	RJC-062L		RJH-062M	
Port size			RC $\frac{1}{4}$		RC $\frac{1}{4}$	
Fluid			Oil	Air	Oil	
Rated pressure		MPa	3	1	14	
Maximum number of rotations		min ⁻¹	3000		3000	
Flow path		mm	∅6		∅2	
Number of flow paths			2		2	
Temperature of fluid applied	Oil	°C	0~60		0~60	
	Air	°C	5~60		5~60	
Allowable pressure discharged		MPa	0.03		0.03	
Rotary torque		N·cm	29.4		29.4	
Internal leakage amount	Oil	With rated pressure	cm ³ /min	4	—	16
		0.1MPa	ℓ /min(ANR)	—	0.4	—
	Air	0.2MPa	ℓ /min(ANR)	—	0.8	—
		0.3MPa	ℓ /min(ANR)	—	1.3	—
		0.4MPa	ℓ /min(ANR)	—	2.0	—
Effective area		mm ²	—	15.7	—	
Weight		kg	1.2		1.6	

Note) Do not alter the product specifications and structure without consultation with FONTAL.

Representation



① Fluid applied

C : Oil, Air
H : Oil

② Flow path

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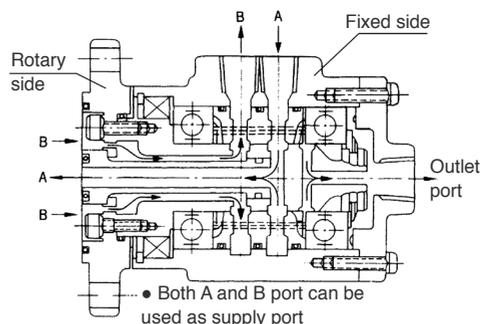
③ Number of flow paths

1: Both ways

④ Rated pressure

L : Oil 3 MPa
Air 1 MPa
M : Oil 14 MPa

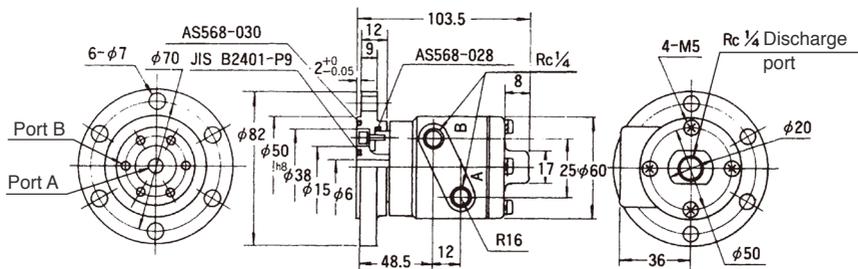
Construction



ADD

RJC-062L, RJH-062M

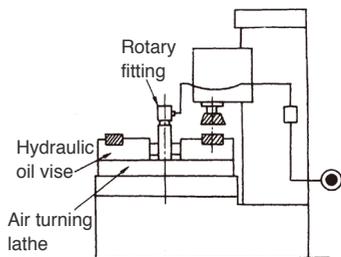
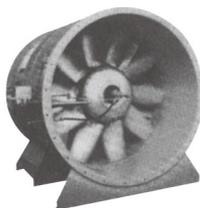
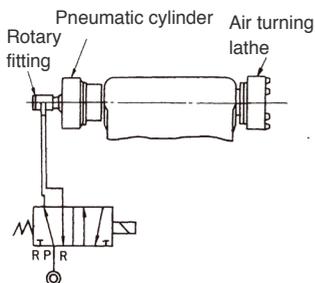
(Unit: mm)



Application

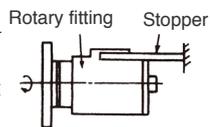
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- Air turning lathe of a hydraulic oil lathe
- Fan with variable vanes
- Hydraulic oil supply for the vise of a rotary milling

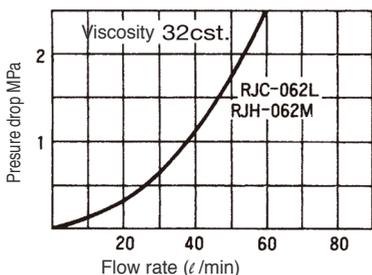


⚠ Warnings

- Flange must be constantly mounted on the rotary side with sufficiently free space.
- Piping applied must be soft tubes rather than steel tubes nor regular tubes.
- Discharge port must be mounted by independent pipes with back pressure below 0.03MPa. If used in an air environment, then such requirement is no longer necessary. In addition, air muffler is strongly recommended to avoid pollutants from entering. Note that air muffler is not compatible with blind plug and must not be used together.
- Because the structure of the rotary part is made of metal seal, a minor degree of internal leakage is inevitable.
- Stopper is used to stop object rotation; its body cannot be mounted.



• Pressure drop table for actuation in oil



• Rotary fitting mounting (reference)

(Unit: mm)

