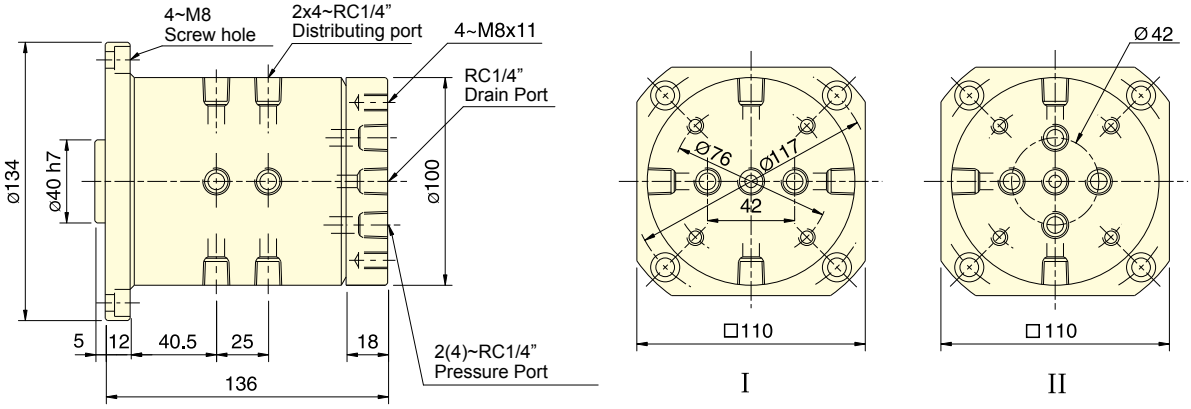
RV HYDRAULIC ROTARY VALVE

- Rotary valve is used for clamping cylinder on rotary table.
- Through unique design, it can make the rotary housing be rotated light force and is free from oil leaking.
- I Type is a single circuit which controls the clamping.
- II Type is a double circuit which separately controls the clamping.

- The drain port of RV type should be independently connected to oil tank to avoid back pressure.



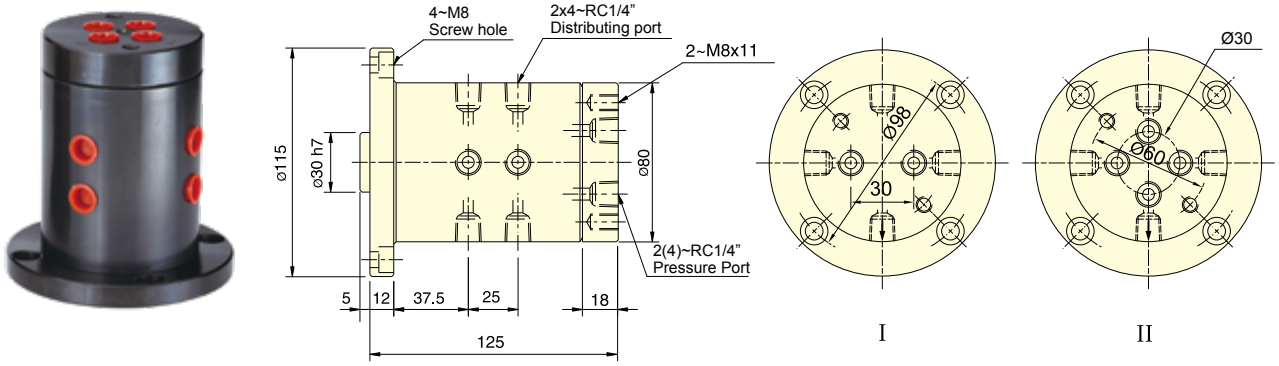
Subject to technical changes

SPECIFICATIONS

Model	Distributing	Max. pressure	Weight
		MPa(kgf/cm²)	kg
RV-31H	4 (by order)	4.0 (40)	7.4

Note:RV can be custom-made.

RV-A AIR ROTARY VALVE



Subject to technical changes

SPECIFICATIONS

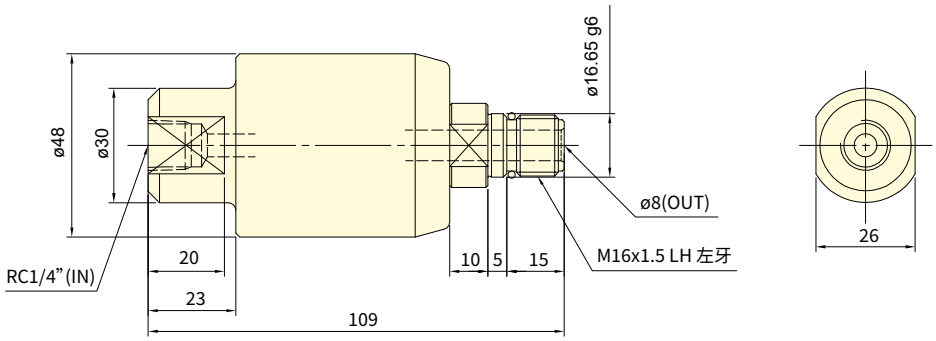
Model	Distributing	Max. pressure	Weight
		MPa(kgf/cm²)	kgs
RV-A31H	4 (by order)	0.8(8)	4.8

Note:RV-A can be custom-made.

RJ-52 SINGLE-PASSAGE ROTARY JOINT

- Single-passage design suitable for air or water fluid transmission.
- Compact structure and easy installation, ideal for various rotating equipment.
- Equipped with high-efficiency sealing technology to prevent leakage and ensure long service life.

■ The joint should not run without liquid through coolant port.



Subject to technical changes

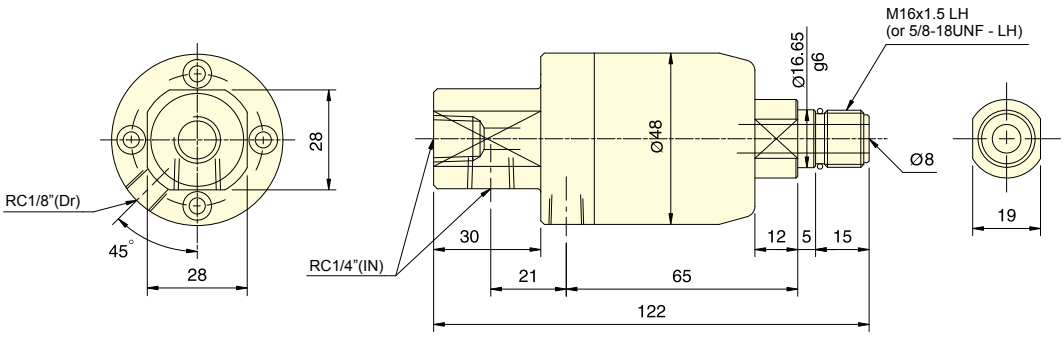
SPECIFICATIONS

Model	Coolant connection PV Limit value (MPa·r/m.)	Air connection PV Limit value (MPa·r/m.)	Delivery amount (at 50 kgf/cm²)	Max. speed (r.p.m.)	Coolant connection Max. pressure MPa(kgf/cm²)	Air connection Max. pressure MPa(kgf/cm²)	Weight (kg)
RJ-52	8000	3200	28l/min	3000	4.0(40)	0.8(8.0)	0.5

RJ-80 COOLANT ROTATING JOINT

- Coolant joint for high speed, high pressure. Usable for oil and water-soluble coolant.
- Seal bushing inside is made of cemented carbide and ceramics, which provide higher wear-resistance.

■ The joint should not run without liquid through coolant port.



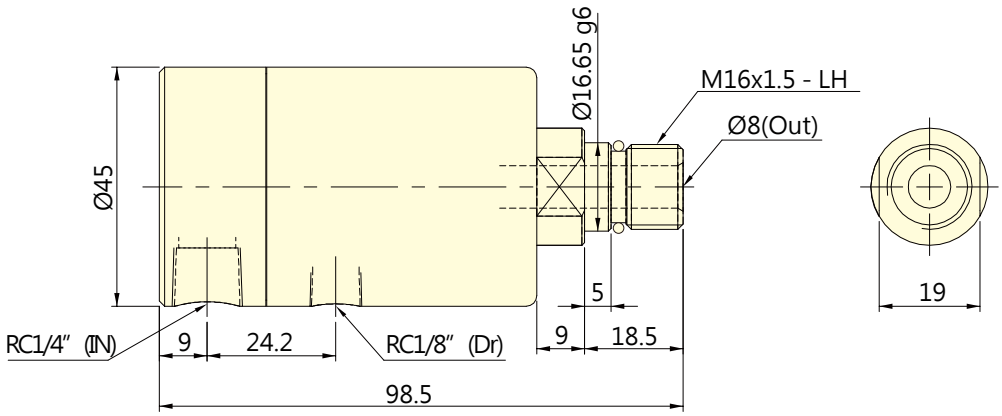
Subject to technical changes

SPECIFICATIONS

Model	PV Limit value MPa· r/m	Max. pressure MPa(kgf/cm²)	Delivery amount (at 50 kgf/cm²)	Max. speed (r.p.m.)	Weight (kg)
RJ-80	14400	6.0(60)	28 l/min	8000	0.5

RJ-92 COOLANT ROTATING JOINT WITH AUTOMATIC ON/OFF SEAL

- Short form, light weight coolant rotating joint.
- Coolant joint for high speed, high pressure.Usable for oil and water-soluble coolant.
- Seal bushing inside is made of cemented carbide and ceramics,which provide higher wear-resistance.
- The seal will depart automatically if no liquid passes during,operation, and will not be dmaged due to dry touching.
- Min. pressure is 4kgf/cm².

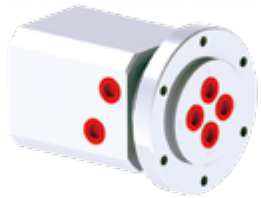


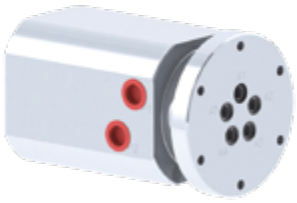
Subject to technical changes

SPECIFICATIONS

Model	PV Limit value MPa· r/m	Max. pressure MPa(kgf/cm²)	Delivery amount (at 50 kgf/cm²)	Max. speed (r.p.m.)	Min. pressure MPa(kgf/cm²)	Weight (kg)
RJ-92	17500	7.0(70)	28 l/min	10000	0.4(4)	0.46

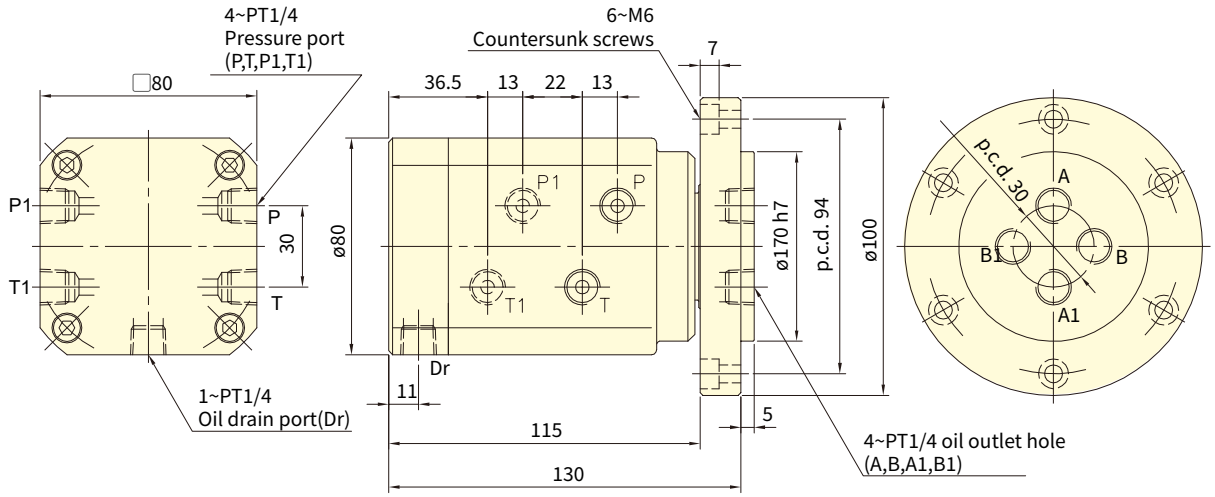
RJ-4E/RJ-5E HYDRAULIC ROTARY JOINT



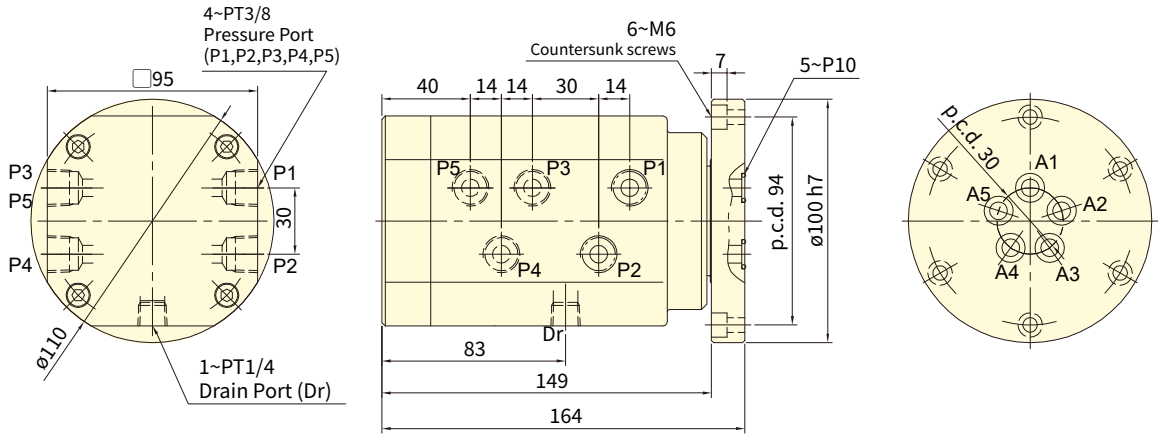


- Available in 4-port / 4-channel and 5-port / 5-channel configurations, with customizable multi-channel hydraulic options upon request.
- Designed for bidirectional hydraulic control such as clamping and unclamping, ensuring precise and reliable operation to enhance productivity.
- Each channel adopts a balanced mechanical seal structure.
- The hydraulic circuit layout, number of passages, and mounting interface can all be customized according to requirements.

Model:RJ-4E



Model:RJ-5E



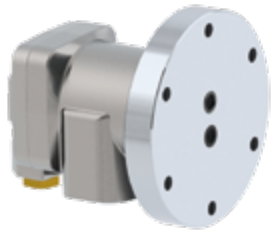
Subject to technical changes

SPECIFICATIONS

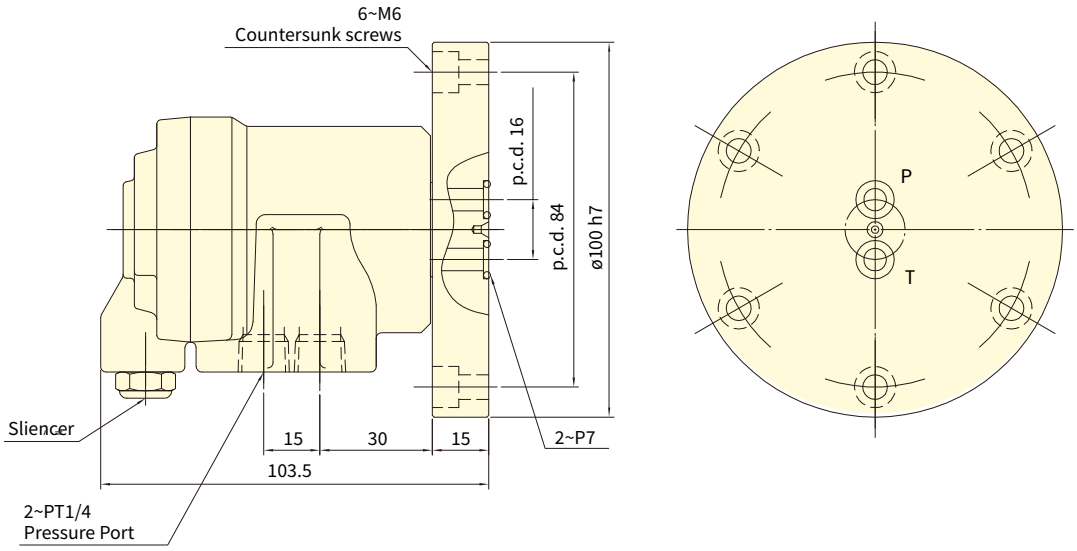
Model	Distributing	Max. speed (r.p.m.)	Max. pressure (kgf/cm²)	Weight (kg)
RJ-4E	4 in / 4 out	3500	35	4.5
RJ-5E	5 in / 5 out	3500	35	7.5

RJ-A2E

AIR ROTARY JOINT



- Provides 2 independent channels for compressed air transmission.
- Integrates multiple air lines into a single component, significantly simplifying piping layout and saving installation space.
- Minimal rotational resistance ensures smooth and stable operation, effectively saving energy.
- The air configuration, number of passages, and mounting interface can all be customized according to requirements



Subject to technical changes

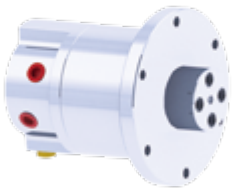
SPECIFICATIONS

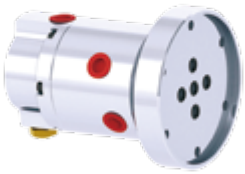
Model	Distributing	Max. speed (r.p.m.)	Max. pressure (kgf/cm²)	Weight (kg)
RJ-A2E	2	3000	8	1.2

RJ-22HA/RJ-41HA

Multi-passage, dual medium

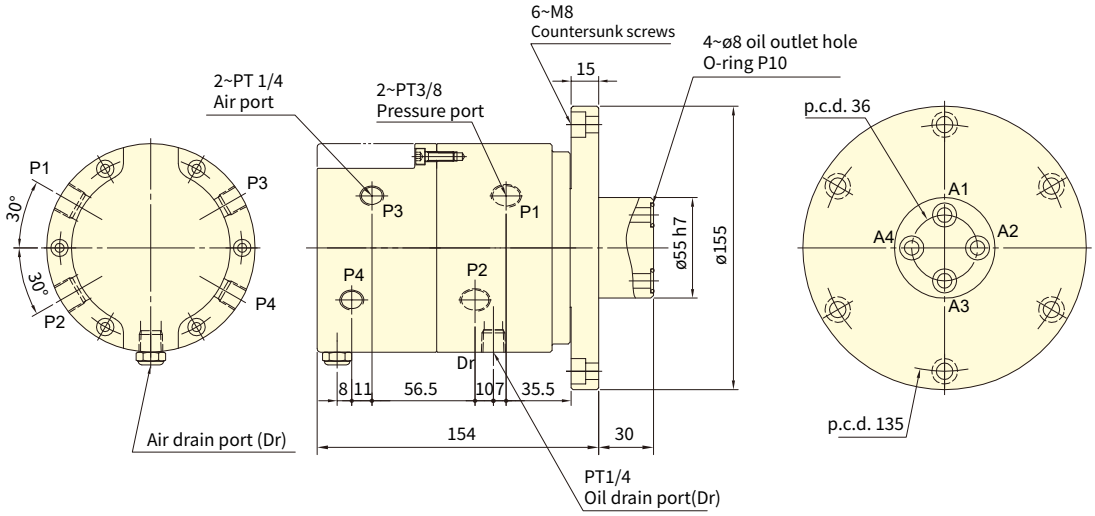
COMBINED AIR AND HYDRAULIC ROTARY JOINT



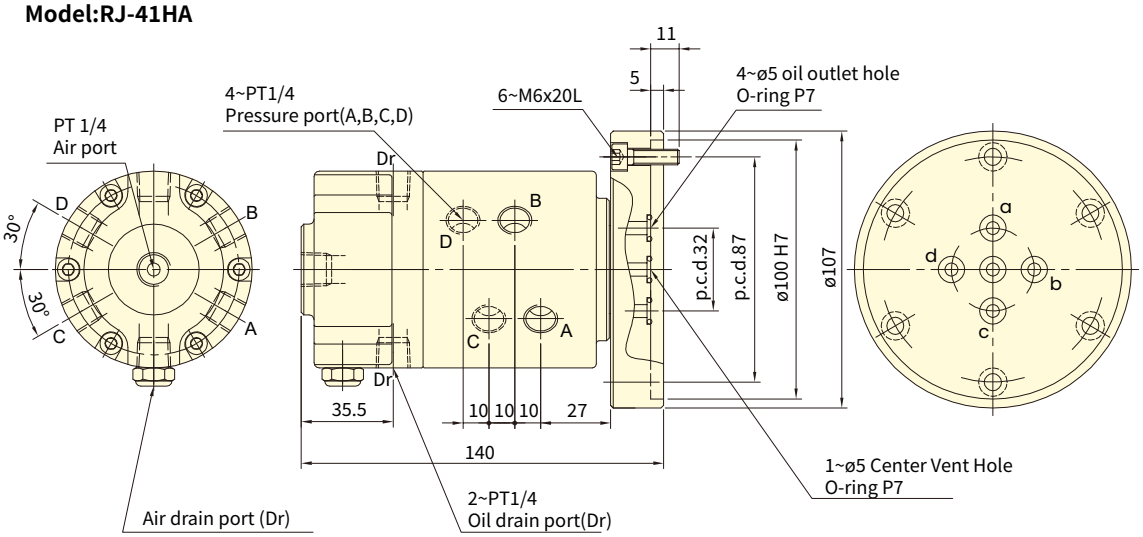


- Available Configurations: 4-Channel (2 Hydraulic + 2 Air) and 5-Channel (4 Hydraulic + 1 Air)
- Enables clamping and unclamping control; applicable to workpiece detection, tool air-blow cleaning, and similar automation functions.
- Ideal for rotary tables on mill-turn machines and multi-axis machining centers.
- Features high-performance sealing technology to prevent leakage of oil, ensuring long-term operational stability.
- Customizable Air and hydraulic configurations, number of passages, and mounting interface and supports dual media
- Optional integration with optical scales is available for enhanced precision and system synchronization.

Model:RJ-22HA



Model:RJ-41HA

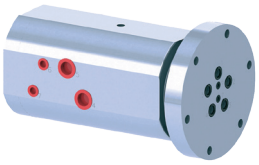


Subject to technical changes

SPECIFICATIONS

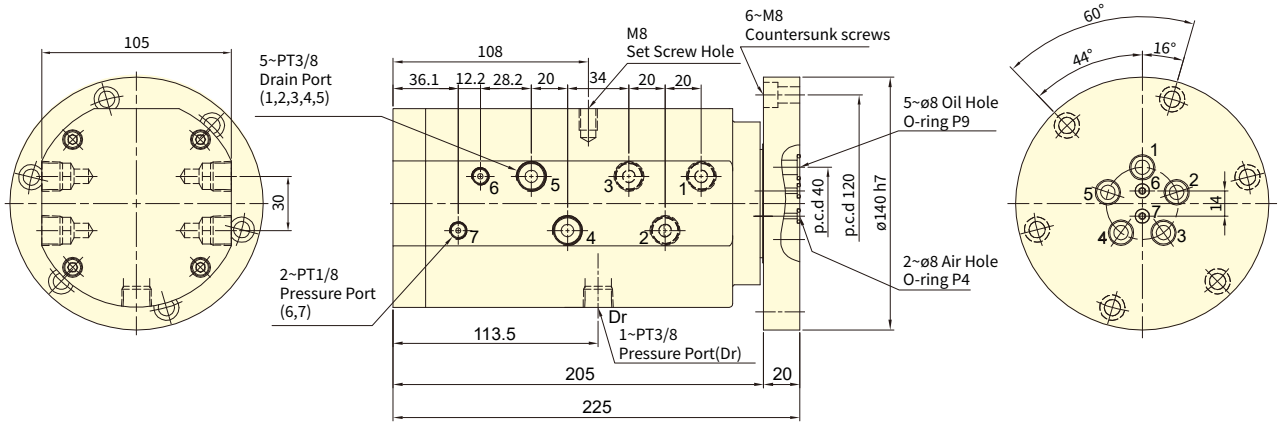
Model	Distributing	Max. speed (r.p.m.)	Max. pressure MPa(kgf/cm²)		Weight (kg)
			Pneumatic	Hydraulic	
RJ-22HA	2 Hydraulic + 2 Air	1000	8	60	10.5
RJ-41HA	4 Hydraulic + 1 Air	3000	8	50	2.95

RJ-52HV HYDRAULIC AND AIR ROTARY JOINT



- 5 Hydraulic + 2 Air Channel Design.
- Supports multi-media transmission, ideal for simultaneous control of clamping and unclamping operations.
- The fully sealed air passage design ensures independent channels for stable pressure, with the air section also supporting vacuum applications.
- High-performance sealing structure prevents cross-leakage between oil and air, enhancing system reliability and machining accuracy.
- Supports medium to low-speed rotation, suitable for multi-axis workstations and compound machining centers.

- Customizable Air and hydraulic configurations, number of passages, and mounting interface and supports dual media
- Optional integration with optical scales is available for enhanced precision and system synchronization.



Subject to technical changes

SPECIFICATIONS

Model	Distributing	Max. speed (r.p.m.)	Max. pressure (kgf/cm²)		Weight (kg)
			Pneumatic	Hydraulic	
RJ-52HV	5 Hydraulic + 2 Air	1000	8	70	15.9