



RAG Series Piston Type Rotary Actuators

Integrated angular bearings eliminate vibration and deflection and provide high accuracy and rigidity. Four torque specification models available with 2 rotation degree range of operations. The compact system design can include a shock absorber along with embedded type sensors for further space reduction

- Double Acting Single Vane Type with Angular Bearing Table
- Rotation Adjustment and Work Port Piping on One Surface
- Utilizes Standard Integrated 4 mm Sensor Groove
- Four Types of End of Travel Cushioning Available
- Locating Holes Standard for Quick and Precision Installation
- RoHS Compliance

Improve the performance and reduce the size of your next generation machine. Koganei sets the standard for supplying innovative high-quality solutions with unmatched reliability. Optimized designs, with a wide variety of styles and sizes, increase speed to market as well as provide solutions for most applications. Expedite deliveries with product stocked in the USA.

KOGANEI is committed to your success from concept, to initial design, to final delivery and beyond.

Operations

Double Acting Vane

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Model	Operation	Bore mm	Rotation Angles degrees	Stroke Adjustment degrees	Port Size metric [imperial]	Effective Torque* N [lbf]	Allowable Energy J [ft.lbf]	Allowable Radial Load N [lbf]	Allowable Thrust Load N [lbf]	Allowable Moment Nm [ft.lbf]	Pressure Range MPa [psi]	Temperature Range °C [°F]
RAG	Double Acting Vane	1	90, 180	+/- 5	M5 x 0.8 [upon request]	0.118 [0.087]	0.003 [0.027]	20 [4.5]	20 [4.496]	0.4 [0.3]	0.25 - 0.7 [36.3 - 101.5]	5 - 60 [41 - 140]
RAG	Double Acting Vane	3	90, 180	+/- 5	M5 x 0.8 [upon request]	0.294 [0.217]	0.3 [2.655]	80 [17.98]	60 [13.489]	0.9 [0.7]	0.2 - 0.7 [29.0 - 101.5]	5 - 60 [41 - 140]
RAG	Double Acting Vane	8	90, 180	+/- 5	M5 x 0.8 [upon request]	0.785 [0.579]	0.53 [4.691]	100 [22.48]	120 [26.977]	1.3 [1]	0.2 - 0.7 [29.0 - 101.5]	5 - 60 [41 - 140]
RAG	Double Acting Vane	20	90, 180	+/- 5	M5 x 0.8 [upon request]	1.96 [1.446]	1.14 [10.09]	120 [26.98]	160 [35.969]	3.5 [2.6]	0.2 - 0.7 [29.0 - 101.5]	5 - 60 [41 - 140]

* @ 0.5 MPa / 72.5 psi