

MRV Series Magnet Type Flat Rodless Linear Actuators

You do not need to imagine an oval tube design for magnetically coupled rodless cylinders, because this series is a reality. This innovation provides you the smallest height dimension, low center of gravity and non-rotation.

- Non-guided, Oval Bore Magnetic Coupled Type
- Low Profile Design for Easy Integration with External Guide Rails
- Utilizes Standard Integrated 4 mm Sensor Groove
- Oval Bore Design Provides Non-rotating Operation
- Optional Integrated Patented Linear Orifice Shock Absorbers
- 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

Double Acting Clean System

Double Acting with Shock Absorber

Double Acting with Shock Absorber Clean System

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Model	Operation	Bore mm	Standard Strokes mm [in]	Max Stroke mm [in]	Port Size metric [imperial]	Max Force - Push N [lbf]	Max Force - Pull N [lbf]	Speed Range mm/s [in/s]	Pressure Range MPa [psi]	Temperature Range °C [°F]
MRV	Double Acting	14	100 - 500 [upon request]	1000 [39.4]	M5 x 0.8 [upon request]	110 [25]	110 [25]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MRV	Double Acting	22	200 - 800 [upon request]	1500 [59.1]	M5 x 0.8 [upon request]	241 [54]	241 [54]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MRV	Double Acting	28	200 - 800 [upon request]	1500 [59.1]	Rc 1/8 [upon request]	440 [99]	440 [99]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MRV	Double Acting	35	200 - 1000 [upon request]	2000 [78.7]	Rc 1/8 [upon request]	687 [154]	687 [154]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MRV	Double Acting	45	200 - 1000 [upon request]	2000 [78.7]	Rc 1/8 [upon request]	1,126 [253]	1,126 [253]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MRV	Double Acting	56	200 - 1000 [upon request]	2000 [78.7]	Rc 1/4 [upon request]	1,758 [395]	1,758 [395]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]

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CS-MRV	Double Acting Clean System	14	100 - 500 [upon request]	1000 [39.4]	M5 x 0.8 [upon request]	110 [25]	110 [25]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
CS-MRV	Double Acting Clean System	22	200 - 800 [upon request]	1500 [59.1]	M5 x 0.8 [upon request]	241 [54]	241 [54]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
CS-MRV	Double Acting Clean System	28	200 - 800 [upon request]	1500 [59.1]	Rc 1/8 [upon request]	440 [99]	440 [99]	8 - 500 [0.3 - 19.7]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
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MRVZ	Double Acting with Shock Absorber	14	100 - 500 [upon request]	1000 [39.4]	M5 x 0.8 [upon request]	110 [25]	110 [25]	8 - 800 [0.3 - 31.5]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
MRVZ	Double Acting with Shock Absorber	22	200 - 800 [upon request]	1500 [59.1]	M5 x 0.8 [upon request]	241 [54]	241 [54]	8 - 800 [0.3 - 31.5]	0.2 - 0.7 [29.0 - 101.5]	0 - 60 [32 - 140]
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