



MLRV High Power Magnetic Linear and Rotary Drives

A high power magnetically coupled linear and rotary transfer device providing smooth sample movement within the vacuum chamber.



Product Overview

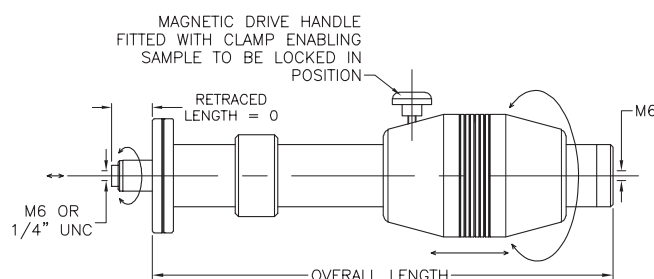
- Magnetically couples linear and rotary motion
- High powered magnets allows drives to be horizontally or vertically mounted
- Tactile control of sample transfer
- Bakeable internal and external magnets
- Complete drive bakeable to +250°C (max operating temperature 120°C)
- Leak rate $< 1 \times 10^{-11}$ mbar ls⁻¹
- Pressure range 1 bar to 10^{-11} mbar
- Continuous rotation
- Position lock

70mm OD conflat flange

- 305mm to 914mm travel
- 19mm dia probe with M6 or 1/4 inch UNF

114mm OD conflat flange

- 305mm to 914mm travel
- 25.4mm dia probe with M6 or 1/4 inch UNF



High Power Magnetic Drives - MLRV Series

DN Type OD	Flange Travel mm	Linear Trave mm	Probe Diameter mm	External Length mm	Max Load Capacity Vertical	Max Load Capacity Horiz	Order Code
DN40	2.75	305	19	514	5.0 kg	2.0 kg	ZMLRV203
DN40	2.75	460	19	692	5.0 kg	1.7 kg	ZMLRV204
DN40	2.75	610	19	870	5.0 kg	1.5 kg	ZMLRV206
DN40	2.75	910	19	1225	5.0 kg	1.2 kg	ZMLRV209
DN63	4.5	610	25.4	870	4.0 kg	2.2 kg	ZMLRV406
DN63	4.5	914	25.4	1225	4.0 kg	2.2 kg	ZMLRV409
DN63	4.5	1250	25.4	1603	4.0 kg	2.1 kg	ZMLRV412
DN63	4.5	1450	25.4	1845	4.0 kg	2.1 kg	ZMLRV414

All dimensions in mm unless otherwise stated.