

High Power Magnetic Linear and Rotary Drives (MLRV)

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



Product Overview

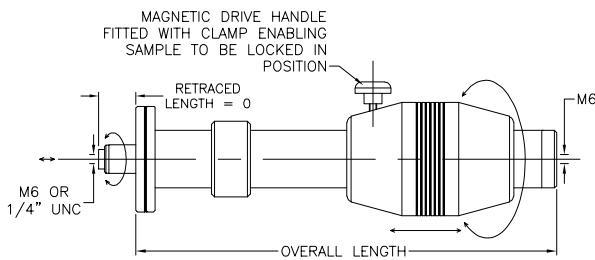
- Magnetically coupled linear and rotary motion
- High powered magnets allows drives to be horizontally or vertically mounted
- Tactile control of simple transfer
- Bakeable internal and external magnets
- Complete drive bakeable to +250°C (max operating temperature 120°C)
- Leak rate 1×10^{-11} mbar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

70mm OD conflat flange

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

114 mm OD conflat flange

- 610 mm to 1450 mm travel
- 25.4mm dia probe with M6 or 1/4 inch threaded end



High Power Magnetic Drives (MLRV)									
DN Type OD	Flange Travel		Linear Travel	Probe Diameter	External Length	Max Load Capacity Vertical	Max Load Capacity Horiz	Weight	Order Code
	mm	inch							
DN40	70	2.75	305	19	514	5.0	2.0	3.6	ZMLRV203
DN40	70	2.75	460	19	692	5.0	1.7	3.8	ZMLRV204
DN40	70	2.75	610	19	870	5.0	1.5	4.0	ZMLRV206
DN40	70	2.75	914	19	1225	5.0	1.2	4.4	ZMLRV209
DN63	114	4.5	610	25.4	870	4.0	2.2	4.0	ZMLRV406
DN63	114	4.5	914	25.4	1225	4.0	2.2	4.4	ZMLRV409
DN63	114	4.5	1250	25.4	1603	4.0	2.1	5.8	ZMLRV412
DN63	114	4.5	1450	25.4	1845	4.0	5.8	5.8	ZMLRV414

All dimensions are in mm unless otherwise stated