

MAGNETIC ROTARY DRIVES

- UNIQUE MAGNETIC FEATURE
- ZERO BACKLASH
- BAKEABLE TO 300°C
- LONG LIFE

VACUO magnetic rotary drives are designed to use in ultra high vacuum (UHV).

These magnetic-drive feedthroughs have solved the problems of vulnerable bellows or dynamic seals, providing an intrinsically safe solution for the life of rotation in UHV.

The unique design of magnetic coupling circuit has evolved the range of rotary feedthroughs over the last decade.

With the application of the new magnetic materials the torque level has been increased together the bake out

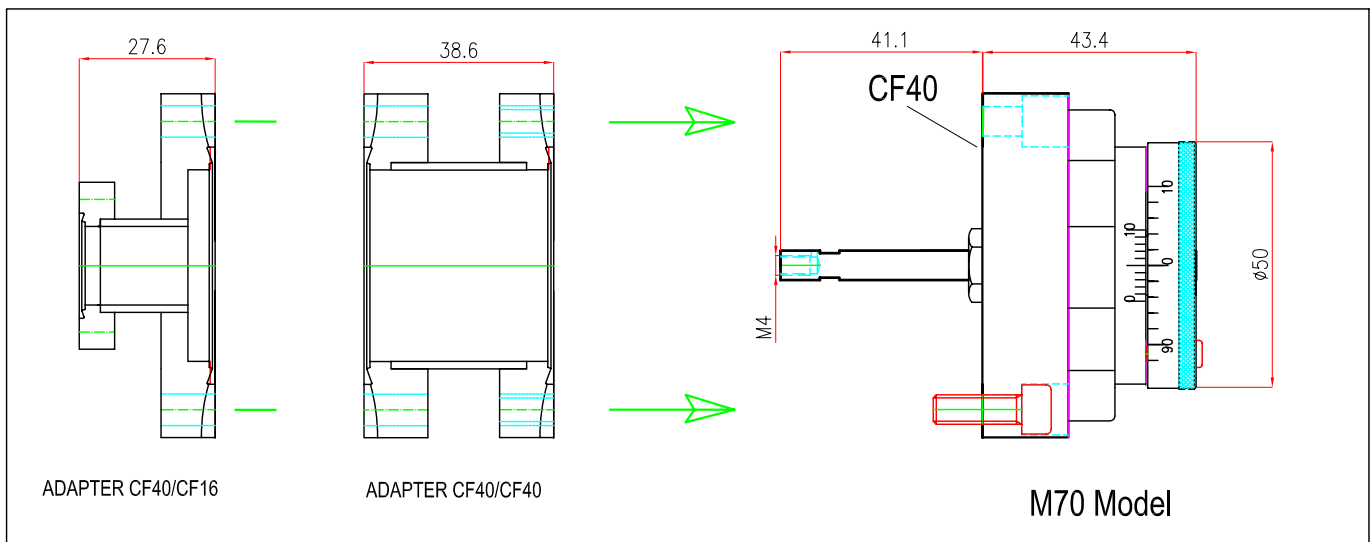


temperature : so the high torque to designed size ratios are the result of a unique magnetic coupling ,which focuses the multiple magnetic fields.

In this way any stray magnetic flowlines are reduced below the earth's field ,allowing the use with sensible applications as XPS and UPS.

Model	OD mounting CF flange	Type of operation	Resolution	Max speed rpm	Torque Nm		Axial Thrust N	Code
					150RPM	5RPM		
M34	34 mm	manual	0.5	500		1.0	20	TM 134
M70	70 mm	manual	0.5°	500		1.0	20	TM 137
M34M	34 mm	DC motorised	0.5°	500	0.2	1.0	20	TM 135
M34S	34 mm	stepper motorised	0.01°	500	0.2	1.0	20	TM 136
M70M	70 mm	DC motorised	0.5°	500	0.2	1.0	20	TM 138
M70S	70 mm	stepper motorised	0.01°	500	0.2	1.0	20	TM 139

Dimensions in mm

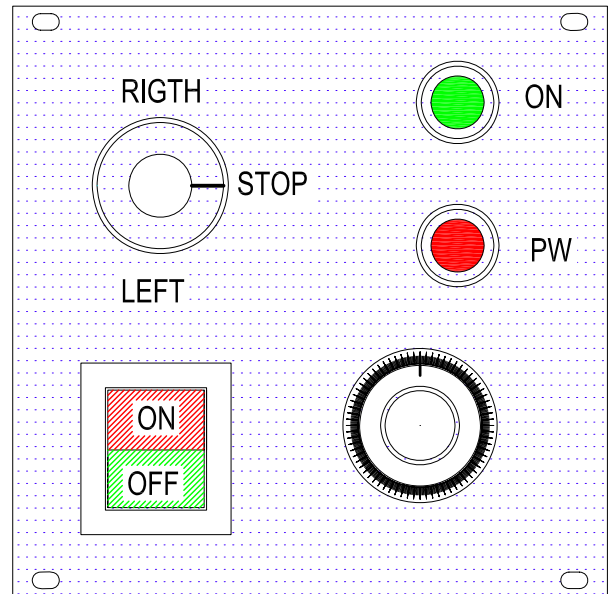


DESCRIPTION

To improve movement quality the Magnetic rotary drive M34 are motorized with a DC-Motor.
 A simple solution with DC GearMotor is proposed: the module is a small, front panel mounted, low price motor driver.

VACUO DC-Controller is designed to drive only 24V DC Gearmotor (Imax 4A). Housed in a rack metal case the device is very easy to use. Universally rated to ensure voltage compatibility, the controller is fully compliant with EMC regulations.

The controller provides a bi-directional output to drive a single axis motorized in either direction. Spin direction is triggered by a electronic shunter. Speed motor is selected by a 10-turns potentiometer.



DC GearMotor

Vcc	24V
Speed	42rpm
Cn	600mNm
Cmax	1800mNm
Imax	490mA

DC Controller

Vin	230V
Vout	0-24V
Imax	4A
Dim.	72x230x130(h)

OTHER MOTORS

Considering the fast evolution of the motors and the large number of models we suggest to contact our staff to solve your requirements.

