

MAGNETIC FLUID

– for **LINEAR VIBRATION MOTOR**

Advantages of linear vibration motor using magnetic fluid

- Fast response time. •Very small / ultra light. •Low power consumption. •Long life.
- Implementation of various vibration patterns.

Correlation between Motor and Ferrofluid

Better Vibration force	Gauss ↓	viscosity ↓
Better Damping force	Gauss ↑	viscosity ↑
To prevent dispersion	Gauss ↑	viscosity ↓
Enhance Low-temperature	Pour point ↓	viscosity ↓

• **Vibration force**

The force of 'Moving mass' moves vertical and vibration

• **Damping force**

The force preventing 'Moving mass' against the motor cover.

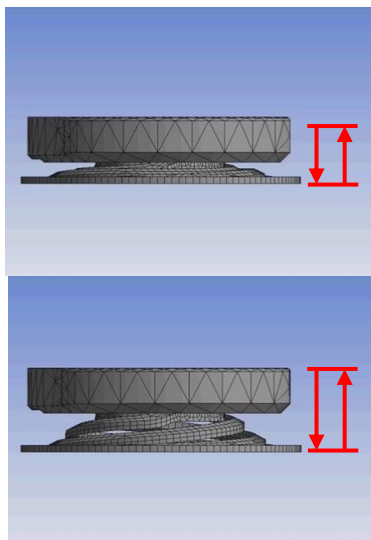
We called Touch(Noise) as bump and make snap.

• **Dispersion**

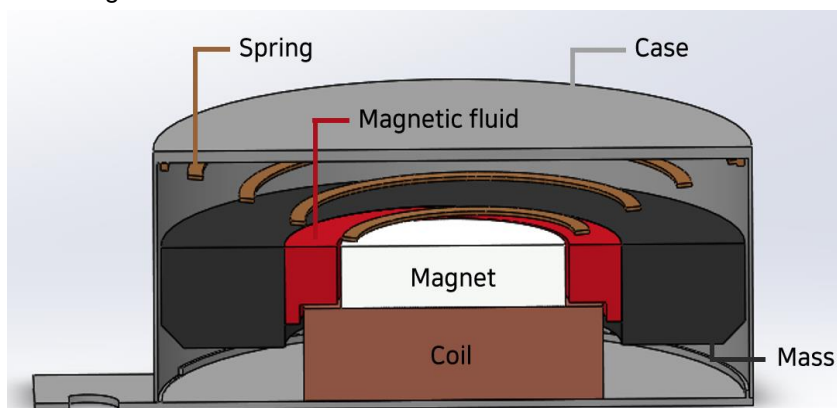
Scattering magnetic fluid by vibration

Up and down vibration motion

↓Click on the picture below to see the video. (moved to a YouTube link.)



A general structure of linear vibration motors



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● specification

Model No.	Saturation Magnetization	Viscosity	Flash point	Pour point
		*Viscometer(at 27C°) : Spindle Viscometer (BROOKFIELD)		
/	Gauss	cp	°C	°C
MFV-308	300	80	200	-50
MFV-340	300	4,000	220	-40
MFV-380	300	8,000	220	-40

Model No.	Saturation Magnetization	Viscosity	Flash point	Pour point
		*Viscometer(at 27C°) : Spindle Viscometer (Rotational Rheometer)		
/	Gauss	cp	°C	°C
MFV-H32	300	2,300	280	-36
MFV-H33	300	3,500	310	-12.5
MFV-H37	300	7,000	300	-24
MFV-H44	400	4,150	280	-36
MFV-H47	400	7,000	310	-12.5
MFV-H411	400	11,500	300	-24

MAGNETIC FLUID

– for **Gas & Dust sealing**

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(For reference, the website of our cluster : <http://www.gtp.or.kr/>)

You can make an order with the specifications you want.

We constantly develop and release new products.

Please contact us.

