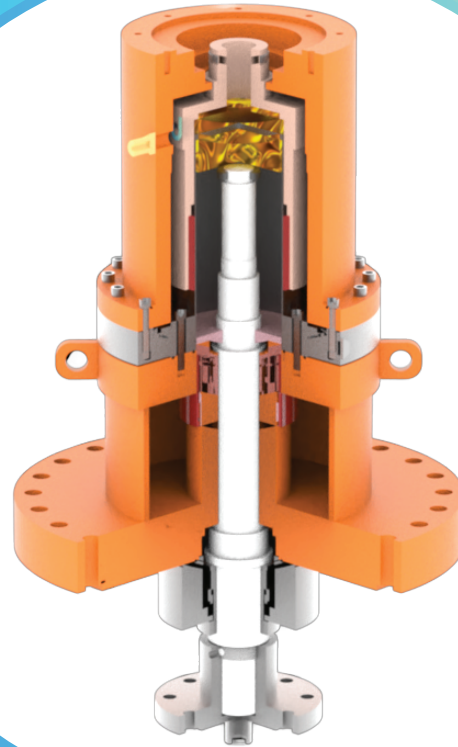


# Magnetic Drive Agitator

We Nandodyne Engineering LLP  
Manufacturer of Top Entry Agitator  
Magnetic System for all range  
from Lab Scale to Commercial  
scale This Sealing system  
eliminate all possible Leakage  
risk, so eliminate emission of fluid.  
Top Entry Magnetic Agitator  
System are the safest method of  
sealing Reactor. This Magnetic  
Agitator System application include  
High pressure Reactor, Hydrogenator,  
Sensitive Material, Hazardous Products,  
Reactor with noxious gases, Reactor required  
complete containment and where there are zero Leakage.



## How it works?

In a Magnetic Agitator, shroud (can) comprises of sealed chamber, which containing a rotating inner shaft, which is embedded with powerful inner magnets. The inner shaft is supported with two Bearing upper and lower of the shaft. This special Bearing has a capability to withstand hard environment present inside the reactor . Special Barrier filter prevent dust from entering the Bearing area.

The shaft of the Gear Box is locked on to a outer magnetic assembly which is called Driver, where Gear Box shaft rotate by motor shaft this outer magnetic assembly rotate and create Magnetic Flux due to this inner magnetic assembly (Driven) synchronously rotate with the outer rotor. There is no connection between driver and driven shaft so Mag drive makes the equipment Hermetically sealed. Hence there are no Leakage of explosive and hazardous gases ensuring safety of the personal and plant.

## Get in Touch



+91 9821006372; 9821006375



info@nandodyne.com; www.nandodyne.com



108, Ram Ashirwad Ind. Est, No. 2, Ram Mandir Road,  
Goregoan West, Mumbai - 400062



Gala No. 8A, Pelhar Village, National Highway No. 8,  
Vasai (East), Dist. Palghar 401 208

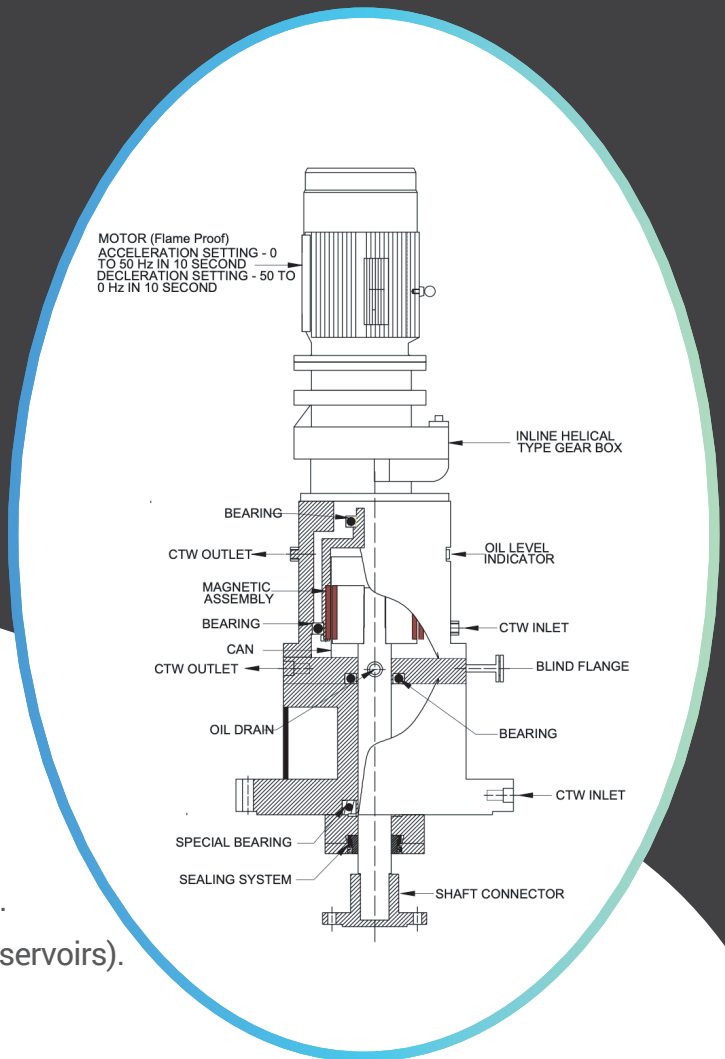
# Magnetic Drive Agitator

## Design Description

- Double bearing of the shaft inside the lantern.
- Canned magnetic rotor zero-emissions.
- Additional seal ensures extra operational safety.
- Pressure compensator with bypass function (reservoirs).

## Advantages

- 100% Sealing. Zero leakage.
- Suitable for pressure fluctuations.
- Minimal friction saves power.
- Shaft does not puncture the Reactor.
- Zero emission of hazardous fluids.
- Eliminates use of Barrier Fluids
- No maintenance required. No Spares Required.
- Extremely safe, No External Contamination.
- Compact Design. Various capacities available, Customizable.



## Technical specification

- Volume – 500 ml to 20000 Liters
- Temperature – Upto 300 degree.
- Pressure – upto 100 Bar.
- Torque – upto 5000 N-m.
- RPM – upto 1000
- MOC – SS 316 , Hastelloy C , Inconel , Duplex Etc .



For over years, Nandodyne has specialized in technologies for better result.