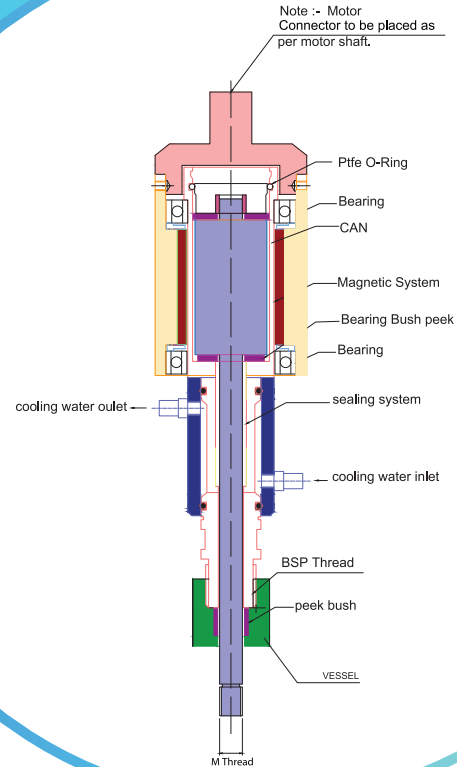




# High Pressure Magnetic Coupling

for Laboratory Stirrers



Nandodyne High Pressure Magnetic Drive coupling are design to suit all kinds of Stirring applications, where Full Vacuum, High Pressure and High Temperature in the reactor is absolutely necessary. These Magnetic coupling specially design to suits hazardous chemical composition.

Lower end of coupling is fits on Reactor by using different NPT/BSP Thread connection, while the upper end can be coupled to the stirrer motor. Stirring shaft is fitted on the bottom side by using Thread connection (clockwise).

These Magnetic coupling Design depend on Required Temperature, Pressure, Torque, Liquid Properties and Quantity. Range of Magnetic coupling as follows:-

- Temperature – Upto 300 Degree
- Pressure – Upto 100 kg/cm<sup>2</sup>.
- Volume – 500 ml to 50 liters.
- MOC – SS 316 (Standard) , hastelloy C 276 / C 22 , Inconel etc .
- Torque – Upto 80 N-m.

## Get in Touch



+91 9821006372; 9821006375



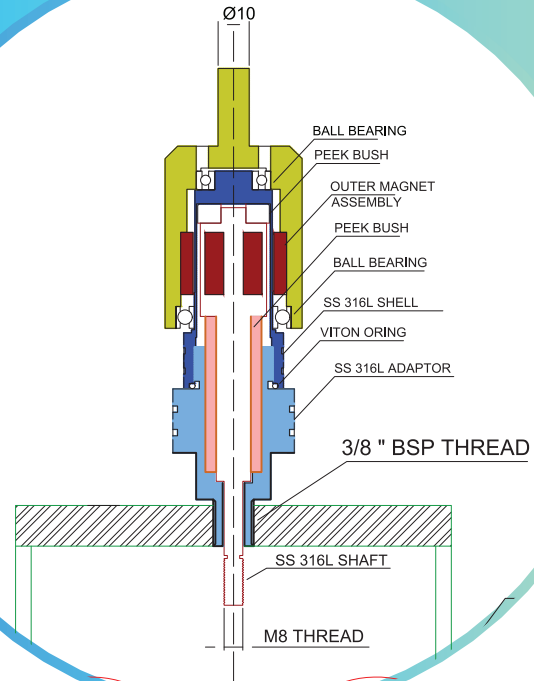
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## Why High Pressure Mag Lab Coupling?

- Solves your leakage problems of toxic, corrosive gases from the flask. Fastens the distillation process
- Prevents charring and polymerizing of material.
- Easier vacuum distillation
- Solve your pressurised leakages.

## BENEFITS & FEATURES

- **Absolute sealing:** No air can enter the reactor vessel and no vapour can leak outside the vessel.
- **No oxidation of material:** Due to absolute sealing air ingress is prevented, saving the material from getting oxidized.
- **Stable vacuum level:** Since there is no leakage of vapour outside of the flask, the vacuum level does not drop. This makes the environment safe from toxic vapours.
- **Very high rate of distillation:** Preservation of high vacuum leads to faster distillation
- **No charring/polymerization of material:** Faster distillation ensures minimum exposure of the material to higher temperatures. This prevents unwanted polymerization, charring/dicolouring of the material.
- **No power Loss:** Efficient magnetic torque transmission ensures no power loss through gland packing/ PTFE bush.