

The Magnet Matters

A Superior Float Magnet Creates a

If you are looking for reliable performance from a magnetic level indicator, start with the float magnet. The stronger and more focused the magnetic field of the float, the more reliable the level indicator...and the more reliable the function of magnetically-actuated flag indicators, switches and transmitters.

The Jerguson® Magnicator float has the **strongest magnetic field of any magnetic level indicator**. Its unique design uses two 360° annular Alnico 8 ring magnets with opposing north poles.



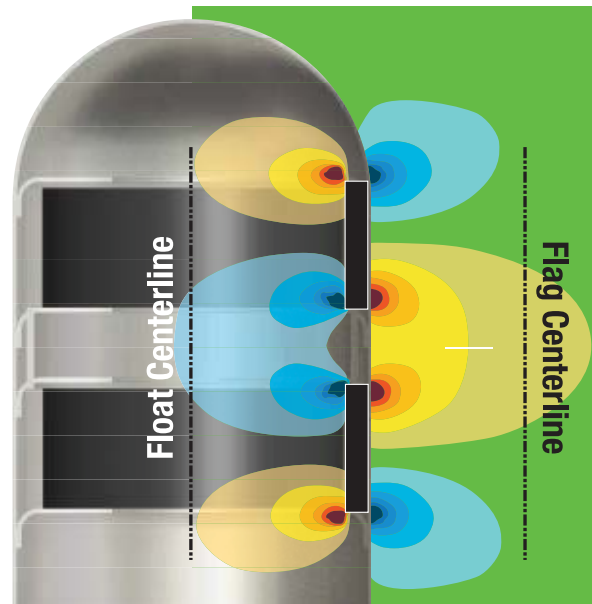
Hermetically-Sealed Cylindrical Float (Standard)

Hermetically-Sealed High Pressure Spherical Float

Carrier-Style High Pressure Spherical Float

Magnicator®

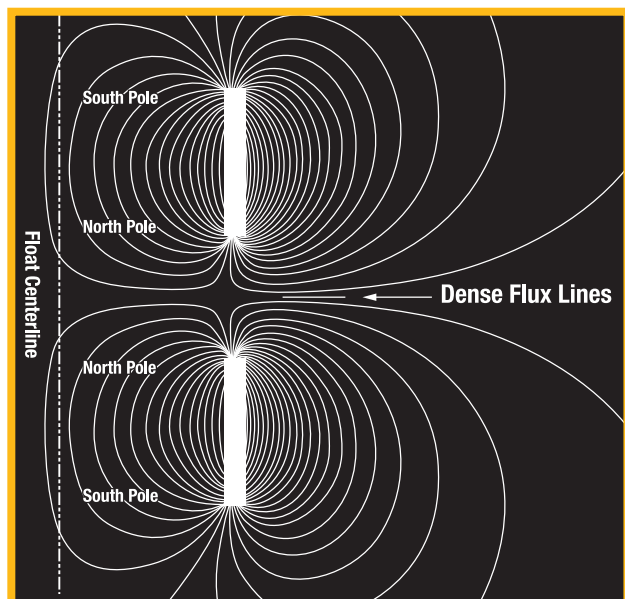
Magnetic Liquid Level Indication Products



Magnetic Field Density Diagram of Magnicator Float

Reliability is in the physics. A uniquely strong north magnetic field activates flags, switches and transmitters with a certainty not found elsewhere because only the Magnicator has a magnet arrangement this powerful, and this focused.

Superior Level Indicator



Magnetic Flux Density Plot of Magnicator Float

Opposing magnetic poles project concentrated flux lines away from the outside diameter of the magnets. This forced deflection creates a field stronger than any other float magnet arrangement, greater than 90 Gauss at the centerline of the indicator flags. Physics has guaranteed that the Magnicator float has the strongest magnetic field...which translates to the most reliable instrument.



Magnicator Float



Typical Float from other manufacturer

Typical floats from other manufacturers employ a circular array of Alnico 5 Bar Magnets. Other brands use a single ring magnet. Neither can produce as intense a magnetic field as the Magnicator float.

How it Works

The Magnicator® level indicator is connected to a process vessel. The chamber, or “column,” contains a sealed float with a permanent magnet assembly which rises and falls as the liquid level changes in the process vessel.

The indicator housing is parallel to the gage column but completely isolated from process liquid. Indicator flags are rotated by the float magnet assembly as it moves up and down in the chamber.

Magnetic liquid level indicators are an attractive alternative to sight glasses for many applications. They provide improved visibility, reduced maintenance and eliminate the leak paths associated with sealing glass.

