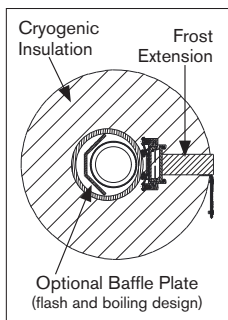


## Designed for the Most Extreme Conditions

SOR® has expanded the **1100 Series Magnetic Level Indicator** line to include a design for cryogenic applications such as liquefied gases. Cryogenic insulation is recommended when process temperatures need to be maintained between 32°F (0°C) and -300°F (-184°C). Cryogenic Insulation ensures the process media does not undergo a state change while maintaining critical process temperatures.

The standard SOR Cryogenic design includes

- insulation constructed from a 2" layer of closed-cell polyisocyanurate foam
- all joints sealed and covered with fiberglass tape
- a waterproofing membrane over the insulation providing an additional layer of protection
- stucco embossed aluminum cladding custom cut to fit over the membrane, the pieces are riveted and sealed together to ensure complete weatherproofing of the unit



The SOR cryogenic design also includes a frost extension. This extension is a solid piece of acrylic mounted to the indicator, extending the face to the edge of the insulation and cladding. By filling the space between the chamber and unit insulation, a frost extension ensures visibility of the indicator flags by preventing accumulation of frost/ice crystals caused by the temperature differential between process and ambient conditions.

As with all SOR **1100 Series Magnetic Level Indicators**, the cryogenic design is fully customizable to work with the most challenging applications. From flash and boiling protection to specialty valves and auxiliary equipment, the SOR team is ready to design a system to fit your specific application.

