



BLISS ANAND AMERICA

The Spirit to Walk an Extra Mile

Special Engineering Solutions

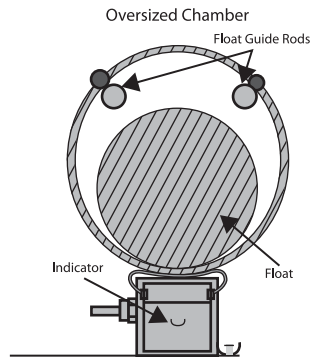
Cryogenic Application





Application: Potential Flashing (LNG)

- Oversized chamber (3")
- Guide rods to allow vapors to pass through the vacant area
- Float held between guide rods, closer to indicator
- Smooth operation
- Accurate level indication



Cryogenic

- Special insulating material ensures the process fluid remains in liquid state at temp. up to -320 °F
- Acrylic frost extensions are provided
- Prevents frost accumulation and ensures clear visibility

Application : Cryogenic

Service Fluid : LNG

Temp. : 36 to -320°F



Insulation Blanket

Insulation blankets have three parts - the filler, jacket and liner. Insulation is typically a removable blanket for high temperature applications or for freeze protection. The jacket and liners are made of weather resistant silicone cloth and sewn with fire retardant Teflon thread. For cryogenic blankets, the jacket is made of polyurethane and the liner is made of aluminum sheeting.

Insulation blankets are available for every MLG configuration. The insulation blankets may be for high temperatures (up to 1000°F).

The blankets have different thickness (0.5-4 inches) based on the required temperature specifications.

Bliss Anand high temperature blankets are made of a needled fiberglass mat. They are attached to the MLG using Velcro® straps. All seams in the insulation and in the jacket are sealed with special vapor barriers to prevent moisture from entering.

Quilting pins and cross-stitching ensures blanket integrity.



Heat Tracing

Heat tracing is used to prevent freezing of the liquid, maintain process temperature requirements or keep the process fluid temperature elevated to ensure it does not become viscous. Steam and electric heat tracing are the most common forms.

Many MLGs have steam or electric connections preinstalled to permit easy commissioning in the field or addition of heat tracing at a later date. Steam connections are standard and controlled by thermostatically-operated valves. The two common electric heat tracing configurations are the fixed-point thermostatic switch and the adjustable bulb-type thermostatic switch. Both come with a wiring harness or junction box for field wiring.

Steam is most often selected for heat tracing applications since steam costs less than electricity for equivalent heating. If electric tracing is used, the temperature requirements and the area electrical classification must be specified.

For Bliss Anand MLGs, steam or electric heat tracing is available as a factory-installed option.

For MLGs with steam tracing, the unit has two tube connections that are ready for direct connection to the plant steam supply. For MLGs with heat tracing the unit is available with a preinstalled insulation blanket.

