



Recommended Care and Maintenance of Maloney Spheres

Although Maloney spheres are intended for dynamic pipeline and prover applications the life of the sphere can be enhanced if the following recommended handling procedures are employed.

***Recommended Inflation Fillers**

Ethylene Glycol < 32deg F

Fresh Water 33-150 F

Glycerol >150F

***Recommended Inflation Level (follow sphere sizing instructions)**

2% over pipe ID

-If over inflation is required call factory

Following is the recommended care procedures for optimum service life of the Maloney sphere:

- Store sphere on original shipping cradle or if not available
 1. In a sling
 2. On a bed of sand (rotate sphere on a regular basis)
 3. Before storage wash sphere with mild soap and a thorough rinse and dry cycle
 4. Do not store sphere without support
 5. Do not store in contact with foreign materials (ie. Water, acids, solvents or contaminated surfaces etc.)
 6. Do not store sphere near electric motors
 7. Do not store sphere in direct sunlight
 8. Do not store in a sealed container (ex. Plastic bag without breathing holes. Desiccant preferable)
 9. Do not store sphere in extreme heat or cold
 10. Avoid using sharp objects when handling the sphere
 11. Regular internal inspection of pipeline or prover recommended
 12. Warning: Do not force sphere into reducers in a prover or pipeline
 13. Warning: Do not use sphere in service that it was not originally intended (call factory)



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- If possible do not leave sphere in prover or pipeline for extended periods of time when not in use. This will cause flat spots and possible sealing problems.
- If possible do not leave Maloney U-53,U-58,U-66 sphere in contact with water for long periods of time.
- Do not operate Maloney U-53,U-58,U-66 above 180F. Please call factory for recommendation
- *Maloney Rubber Spheres should not be used in services over 600psi

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