TERVES
ENGINEERED RESPONSE

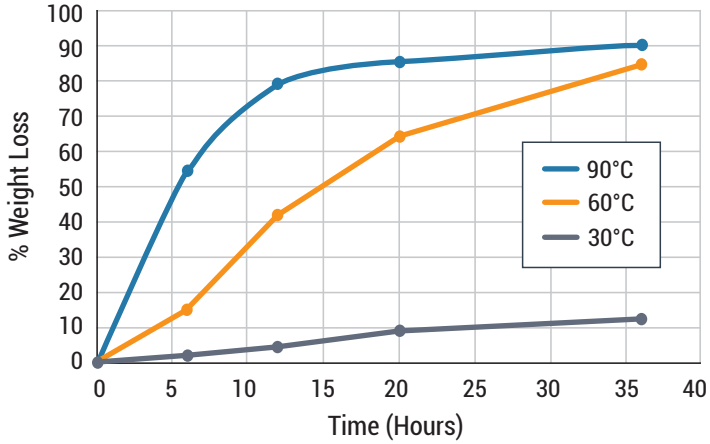
DATASHEET
TERAVERT™ DIVERTER BALLS

PRODUCT DESCRIPTION: DISSOLVABLE DIVERTER BALLS

TeraVert™ dissolvable diverter balls are a new patented product that allow end-users to specify a diverter ball that can provide both the ability to withstand significant pressure and then dissolve away. Based on Terves' patented Elementum™ technology, these balls are available with a 7/8" diameter. Current density range is 1.10 – 1.20 with lower, neutral buoyancy grades under development.

In-house pressure testing demonstrates the product's ability to hold up to 2,000 psi for several hours and have been tested to pressures up to 10,000 psi for shorter durations.

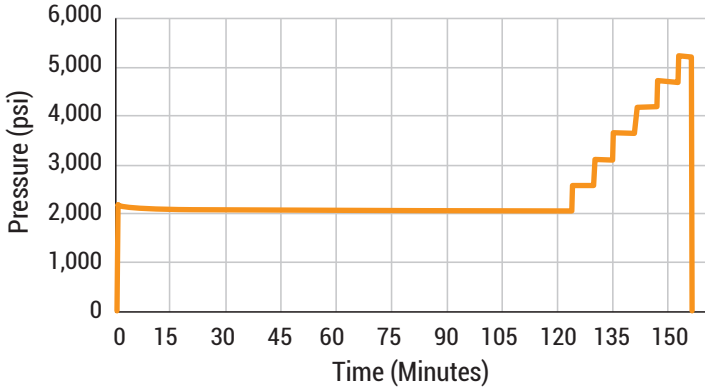
Degradation in 3% KCl



TeraVert ball dissolution by mass loss, showing up to 90% mass loss in 36 hours at 90°C in 3% KCl.

7/8" TeraVert™ ball before and after dissolution for 30 hours in 3% KCl at 90°C

Typical Pressure Profile of 7/8" Ball on 1/2" Hole



Typical pressure curve of a 7/8" ball on 1/2" seat which was tested at ambient temperature for 2 hours at 2ksi and then ramped 500 psi every 5 minutes until the ball failed at 5500 psi. Testing at elevated temperatures and pressures is ongoing.

DISCLAIMER: The information provided in this document is intended to assist manufacturers and specifiers in the selection and use of Terves' products. All data noted should be understood to be average and expected performance, and is provided to serve as a general guideline only. This information **does not represent and is not to serve as minimum specification standards.** For further information contact Terves directly. All Terves commercially available products have patents or patents pending in the United States and in a variety of countries. For the latest patent information on this specific product contact Terves directly.

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Terves Inc. 24112 Rockwell Drive Euclid, Ohio 44117
Phone: 216-404-0053 **Email:** info@tervesinc.com

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WWW.TERVESINC.COM