The Difference is Clear with Chart's Composite Super Insulation™ System

- 25% Lower Cost
- 13% Smaller Footprint
- 21% Lower Tare Weight
- 60% Less Daily Evaporation
- 14 Gal/Day Lower Losses
- 5 Day Longer Hold Time

Chart's SI-175 Tanks Leave Perlite-250 Tanks in the Dust

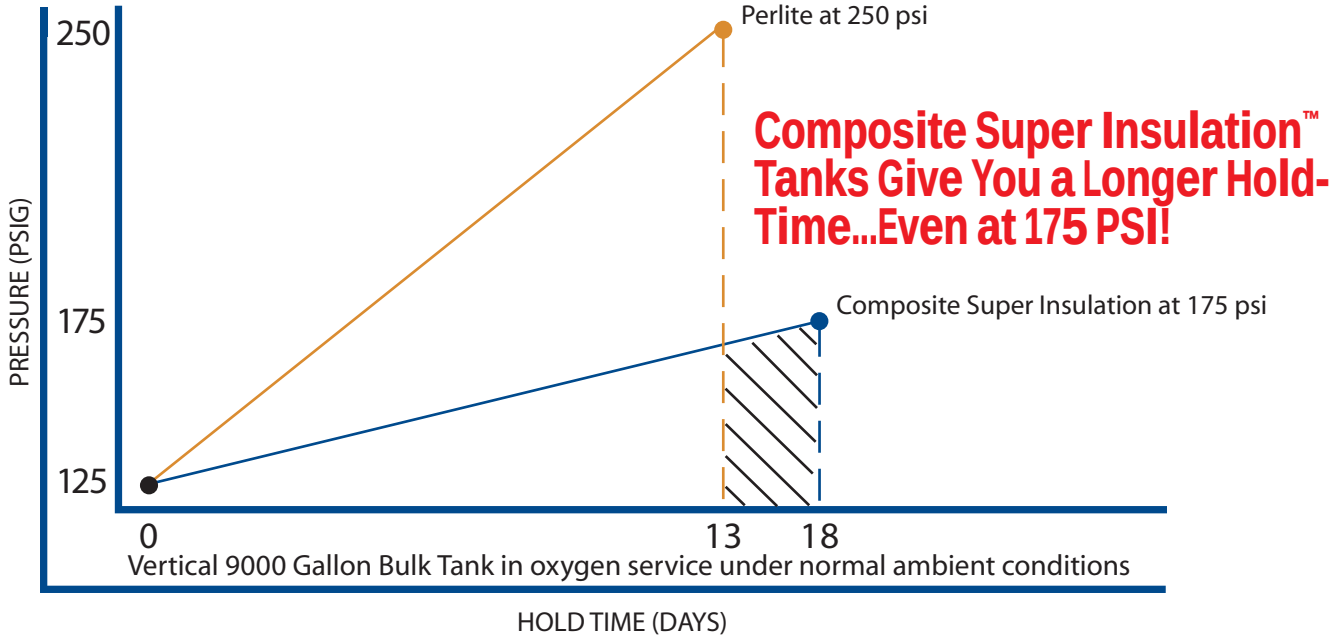
CHART®

See The Difference

Since most liquid and gas applications require only 100 psi delivery pressure, why are ordinary bulk tanks built with a 250 psig Maximum Allowable Working Pressure (MAWP)? The answer is simple – traditional perlite insulation allows more heat into the liquid, driving the pressure up faster and reducing the hold time. To compensate, perlite tanks need a 125 psi "pressure buffer" to increase the hold time and prevent unwanted, costly venting. So why pay for an outdated design?

At Chart, we have a great solution to those challenges: **Composite Super Insulation™**. Applying this state-of-the-art insulation technology to a lower cost 175 psig MAWP bulk tank, we build-in performance and value. Even at this lower pressure, the Composite Super Insulation clearly outperforms the perlite insulation..

Pressure Rise Comparison from 125 psi to Relief Valve



Clearly, the Composite SI-175 has it all.

COMPOSITE SI-175	Key Features	PERLITE-250
☑ $0	Price Difference (%)	❑ + 25
☑ 114	Diameter (in)	❑ 122
☑ 33,000	Tare Weight (lbs)	❑ 42,000
☑ 0.1	NER (%)	❑ 0.18
☑ 18	Hold Time (days)	❑ 13
☑ 1,036	Losses at MAWP (SCFD)	❑ 1,865

Note: All values based on a Vertical 9000 Gallon Bulk tank half-full in oxygen service at 125 psig under normal ambient conditions.
Published values posted online.
SCFD = Standard Cubic Feet per Day

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