

Some things you need to know about Propane when it's cold outside – Part 1 of 4:

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A. Cold is detrimental to propane because liquid propane must absorb heat from the atmosphere to boil and produce the vapor necessary to operate your appliances. The heat transfer occurs primarily through the shell [cylinder/tank wall] wetted by the liquid. The lower the fuel supply, the less the wetted surface and the lower the vaporization rate.

B. When using the furnace (especially when it is frigid outside), it is crucial to keep your propane tank(s) filled – and certainly don't allow it/them to be drained below half a tank (50%). This has a great deal to do with the physical characteristics of propane. One unusual observation about propane is that "the colder it is, the fewer BTUs you get out of it." This means that when you need it most, the quicker you go through it. So, keep a close eye on your propane levels – especially when it is cold outside (below 60° F)!

C. Caution: Because of the "rapid draining" of the propane tank(s) when it is cold, I find that a great many people try to rely solely on portable electric heaters for interior space heating. This practice has one major drawback. Inside almost every newer RV, the furnace output is also ducted into the "basement" compartments – especially the freshwater and holding tank areas. This is deliberate – the "basement" heat prevents all the tanks (Fresh, Gray, and Black) from freezing! So...please use the furnace for your primary heating needs and the electric heaters only for supplemental heating.

Forewarned is forearmed.

Dale

Need a Gauge? Here are some Amazon affiliate links for your consideration:

1. Deluxe – Bluetooth Wireless – Single Tank - <https://amzn.to/3QtNmsi>
Single Mopeka Ring (Halo) - <https://amzn.to/460hIOP>
2. Super Deluxe – Bluetooth Wireless – Two Tank Sensors – and Two Halo Rings - <https://amzn.to/3Qs9inx>
3. And more information about propane is available in the book ***Understanding Your RV's "APPLIANCES"*** - <https://amzn.to/49rN4eq>