



Safety Bulletin Number: **0000034**

Re-Issued **June 7, 2024** by **Paul Fowler, Chief Fuel Safety Inspector**

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Department of Labour, Skills and Immigration

Propane Container Vaporization Rates

Legal information <if applicable>

Issued pursuant to s.30 of the [Technical Safety Act](#)

Summary

After completing a review in 2003, the accepted propane container vaporization rates, have been changed and remain as shown in the following tables below.

This Directive supersedes the vaporization rates in the [Fuel Safety Bulletin 2003-03](#).

Almost all sizes of containers now have a slightly higher vaporization rate and we have expanded the list of container sizes, as well as adding vaporization rates for underground containers. These rates were determined by using the formula found in Table J.10 of the CSA B149.2 Code and the dimensions of common propane containers.

The values in the following tables will be used for permit approval going forward.

For vaporization capacities of containers not listed please contact this us.

Contact Us

Safety Branch – SafetyBranch@novascotia.ca

Labour, Skills and Immigration

1-800-952-2687

Accepted propane container vaporization rates:

Above Ground Tank or Cylinder BTU Limits		
Tank or Cylinder Size	Heating BTU	Water Heating / Cooking BTU
100lb	52,875	92,531
200lb	75,600	132,300
420lb / 123uswg	103,500	181,125
250 uswg	211,500	370,125
325 uswg	267,750	468,563
500 uswg	333,000	582,750
1000 uswg	590,400	1,033,200
1450 uswg	725,400	1,269,450
1750 uswg	864,000	1,512,000
1885 uswg	907,200	1,587,600
2000 uswg	1,000,913	1,751,597
2900 uswg	1,044,000	1,827,000
Below Ground Tank or Cylinder BTU Limits		
Tank or Cylinder Size	Heating BTU	Water Heating / Cooking BTU
250 uswg	260,000	455,000
320 uswg	320,000	560,000
500 uswg	425,000	743,750
1000 uswg	830,000	1,452,500
2000 uswg	1,200,000	2,100,000