



Algas-SDITM
...Innovative liquid vaporizing and gas mixing solutions

ISO 9001
Certified

Engineering Bulletin

Direct Fired
 LP-Gas Vaporizer, 40/40H & 80/40H

Bulletin Number: DF 11/02

Vaporization Capacity at low temperatures

Actual low-temperature testing of Algas 80/40 and 40/40 vaporizers was conducted by Underwriters Laboratories of Canada in Hay River, Northwest Territories to determine the capacity at temperatures down to -40 Deg. F. The temperatures at the time of testing ranged from 16 to -30 Deg. F, while the temperatures the night before testing reached -38 Deg. F.

ULC's actual results:

	<u>Liq. In (F)</u>	<u>Vapor Out (F)</u>	<u>Actual Capacity¹</u>	<u>Theo. Capacity, -40 F²</u>
<u>40/40</u>				
	0	34	44.0	41.4
	1	16	48.3	45.4
<u>80/40</u>				
	6	38	86.7	81.0
	6	23	90.0	84.0

1. US Gallons per hour of propane using liquid density at 60 F.
2. Theoretical capacity in US Gallons per hour corrected to -40 F, using liquid density at 60 F.

1 US Gallon = 0.833 Imperial Gallons

40 US Gallons = 33.32 Imperial Gallons

80 US Gallons = 66.64 Imperial Gallons

At Algas-SDI we are committed to continuous improvement and customer satisfaction. If you have any questions regarding this bulletin or have an improvement suggestion you would like to make, please write or phone Customer Service.

1140 NW 46 Street, Seattle, Washington, USA 98107

Tel: 206-789-5410

Fax: 206-789-5414

Web: www.algas-sdi.com