



**Algas-SDI**  
Origins in 1932



ISO 9001  
Certified

# Torrex<sup>™</sup>

Single Core Electric Vaporizer

Indirect Heated



For TX480-TX2560,  
please contact factory.

[algas-sdi.com](http://algas-sdi.com)

**Torrexx™** fills the application niche where 3-phase power is available and eliminates the corrosion, evaporation and frequent 'shut-downs' associated with electric waterbaths.

## Key Points

98% thermal efficiency

Corrosion-free

Simple and compact

No water-glycol

Heavy-duty contactor or hermetic relay

Temperature controller is simple to replace

Liqui-SAFE™ Valve

Thermocouple temperature sensor

Auto-restart after power interruption

Easily fits inside cabinet



Since our first dry electric vaporizer patent in 1972, **Algas-SDI** has shipped tens of thousands of units to 87 countries on six continents.

**Torrexx** defines the industrial standard for dry electric LPG and NH<sub>3</sub> vaporizers. A robust 135amp rated contactor provides power to the heating elements. The modular temperature controller allows easy maintenance or replacement. In the event of a "high liquid level occurrence," our proprietary **Liqui-Safe Valve™** prevents liquid LPG from passing downstream of the vaporizer. The valve provides visual indication of activation. This allows easy troubleshooting and assures the end-user the device is functioning properly.

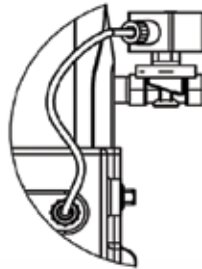
## Operational Characteristics

The standard **Torrex** is a single core, dry, electric vaporizer. No start/stop switches are used. When power is applied, the vaporizer is ON and ready for operation within seconds!

Heating elements are cast "in-situ" in the aluminum core. Two thermocouples housed in a common sheath directly control normal operation and provide over-temperature protection. Operational set-points are factory set, however, field adjustments can be performed.

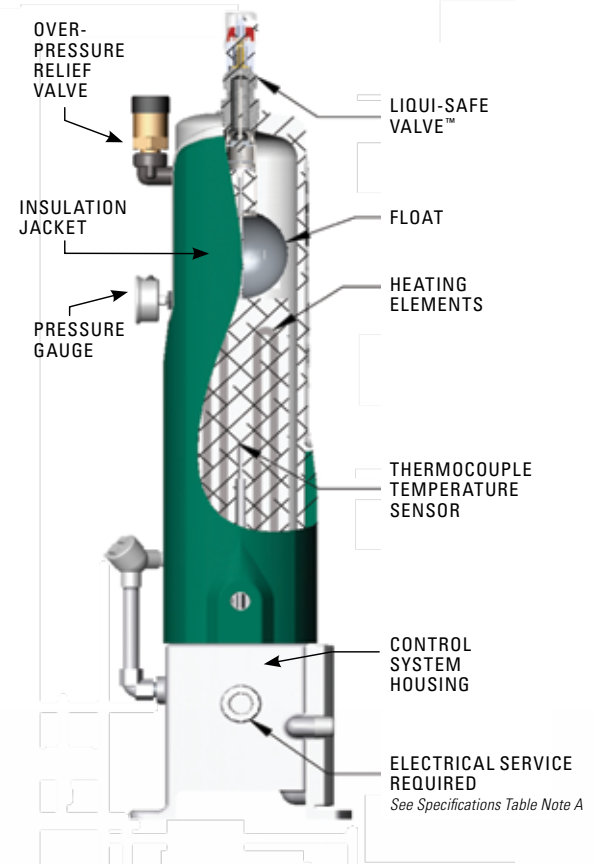
Fusible links installed in the Control System Housing provide additional over-temperature protection.

**Torrex** is available in all common voltages. Explosion proof designs are available to meet either Class I, Division 1, Group D (per NFPA Pamphlet 70) or, ATEX marked to comply with CE type Zone I applications. Either design allows **Torrex** to be installed adjacent to a tank or building with no minimum separation requirement.



CE CONFIGURATION IS WITH GLAND SEAL FOR ATEX ZONE 1 PER ABOVE

3/4" NPT LIQUID INLET



### IDEALLY SUITED FOR:



Schools/  
Universities



Hospitals  
& Clinics



Hotels  
& Resorts



Office  
GenSets



Factories

Start up: < 50 Seconds

[algas-sdi.com](http://algas-sdi.com)



## Optional Economy Operation Valve:

Activates vaporizer based on tank pressure. Requires no electricity; easily field installed on TX25 – TX320.

<sup>1</sup> Torrexx is offered in Multi-Core models. Contact your Algas-SDI representative.

<sup>2</sup> PED is per 'Module "H"'

<sup>3</sup> Vaporization capacity shown is nominal. Actual is impacted by LPG composition and pressure.

### Note A: Electrical Connection

FM version: 1" FNPT with 1½" pitch threads

NEMKO version: Requires P/N37041 transition from 1" FNPT to M32 female threads

External Explosion Proof Box version: 1¼" FNPT

### Note B: Hermetic Relay Version

TX240 and TX320 using an external Explosion Proof Box, add 6" (153mm) to W and 7" (178mm) to L dimensions. Add 100 lbs (46kg) to each unit.

<b>Vaporization Type:</b>	Indirect dry electric														
<b>Electrical Data:</b>	<sup>1</sup> MODEL		TX25		TX50		TX100		TX160		TX240		TX320		
	VOLTAGE	PHASE	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS	
	120	1	3.9	32.5											
	208	1	2.9	14.1	5.9	28.1	11.7	56.2	17.8	49.6					
		3				16.3		32.5							
	220	1	3.3	14.9	6.5	29.7	13.1	59.5	20	52.4					
		3				17.2		34.4							
	240	1	3.9	16.2	7.8	32.4	13	54	21.5	51.9					
		3				18.8		15.6			37.5				
	380	3			6.5	9.9	13.1	19.9	20	30.3	29.8	45.4	39.3	59.7	
	400	3			7.2	10.4	14.4	20.8	20	28.9	33	48	36.6	52.8	
	415	3			7.7	10.8	15.6	21.7	21.5	30	35.6	50	39.5	55	
	440	3						13.1	17.2	20	26.2	30	39.4	39.4	51.7
	480	3						15.6	18.8	21.5	26	35.6	43	39.5	47.5
	575	3												39.2	39.4
<b>Electrical Class:</b>	Hazardous Area Classification — Class I, Division 1, Group D / ATEX Zone I, EEx d IIB T3 94/9EC														
<b>Vaporizer Approvals:</b>	FM (U.S. and Canada), NEMKO, CE, <sup>2</sup> PED Marked, designed per ASME														
<b><sup>3</sup>Vaporization Capacity:</b>		<b>TX25</b>	<b>TX50</b>	<b>TX100</b>	<b>TX160</b>	<b>TX240</b>	<b>TX320</b>								
Kg/h		25	50	100	160	240	320								
US Gal/h		12.5	25	50	80	120	160								
MMBTU/h		1.1	2.2	4.5	7.2	10.9	14.5								
<b>Design Pressure:</b>	← 250 PSIG 17.2 Barg →														
<b>Relief Valve Set Point:</b>	← 250 PSIG 17.2 Barg →														
<b>Hydrostatic Test Pressure:</b>	← 375 PSIG 25.9 Barg →														
<b>Shipping Weight:</b>	130 lbs 59 kg	130 lbs 59 kg	135 lbs 61 kg	145 lbs 66 kg	170 lbs 77 kg	180 lbs 82 kg									
<b>Shipping Dimensions:</b>	— See Note B —														
Height	54" 1372 mm	54" 1372 mm	54" 1372 mm	54" 1372 mm	66" 1676 mm	66" 1676 mm									
Width	19" 483 mm	19" 483 mm	19" 483 mm	19" 483 mm	19" 483 mm	19" 483 mm									
Length	19" 483 mm	19" 483 mm	19" 483 mm	19" 483 mm	24" 610 mm	24" 610 mm									

Algas-SDI developed its first vaporizer in 1932. Over eighty years later, we still lead the market in quality, innovation and **commitment to our purpose**. Our products allow businesses located off the gas grid or under curtailment, to operate. We eliminate downtime ensuring **workers can work and goods and services can flow to market**.

# DMC 多美時燃氣設備有限公司

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