



Algas-SDI
Origins in 1932

TUV NORD
ISO 9001
Certified

Torrexx™

Single Core Electric Vaporizer

Indirect Heated



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_3 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.

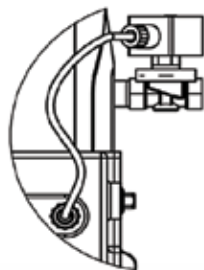
Operational Characteristics

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.

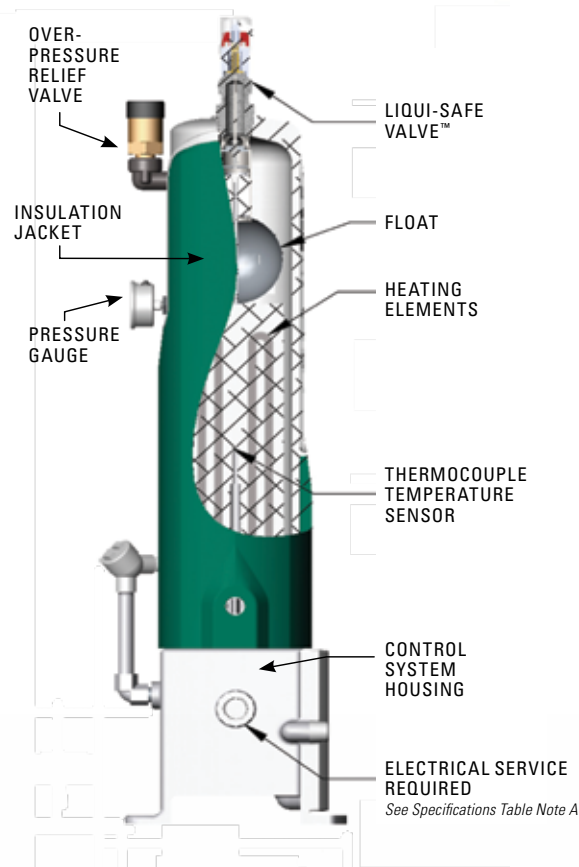
Torrex is available in all common voltages. Explosion proof designs are available to meet either Class I, Division 1, Group D (per NFPA Pamphlet 70) or, ATEX marked to comply with CE type Zone I applications. Either design allows **Torrex** to be installed adjacent to a tank or building with no minimum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



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



3/4" FNPT LIQUID INLET



IDEALLY SUITED FOR:



Schools/
Universities



Hospitals
& Clinics



Hotels
& Resorts



Office
GenSets



Factories

Start up: < 50 Seconds

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Vaporization Type		Indirect dry electric													
Electrical Data		'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	5.9	28.1	11.7	56.2	17.8	49.6				
		208	1	2.9	14.1		16.3		32.5						
			1	3.3	14.9	6.5	29.7	13.1	59.5	20	52.4				
		220	3		17.2		34.4								
			1	3.9	16.2	7.8	32.4	13	54	21.5	51.9				
		240	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				
Electrical Class		Hazardous Area Classification — Class I, Division 1, Group D / ATEX Zone I, EEx d IIB T3 94/9EC													
Vaporizer Approvals		FM (U.S. and Canada), NEMKO, CE, ² PED Marked, designed per ASME													
Liquid Inlet Connection		All vaporizers have a ¾” FNTF threaded inlet connection													
Vapor Outlet Connection		All vaporizers have a 1” FNTF threaded outlet connection													
³ Vaporization Capacity		TX25		TX50		TX100		TX160		TX240		TX320			
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			
Design Pressure		← 250 PSIG 17.2 Barg →													
Relief Valve Set Point		← 250 PSIG 17.2 Barg →													
Hydrostatic Test Pressure		← 375 PSIG 25.9 Barg →													
Shipping Weight		130 lbs 59 kg		130 lbs 59 kg		135 lbs 61 kg		145 lbs 66 kg		170 lbs 77 kg		180 lbs 82 kg			
Shipping Dimensions		— 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			

Optional Economy Operation Valve:

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

¹ Torrex is offered in Multi-Core models. Contact your Algas-SDI representative.

² PED is per "Module "H"

³ Vaporization capacity shown is nominal. Actual is impacted by LPG composition and pressure.

Note A: Electrical Connection

FM version: 1" FNPT with 11½" pitch threads

NEMKO version: Requires 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.

For information regarding TX480-TX2560, contact factory.

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**.



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