

ISO 9001
Certified



Algas-SDI
Origins in 1932

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 NH₃ 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.

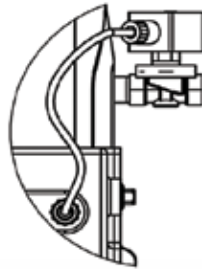
Operational Characteristics

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.

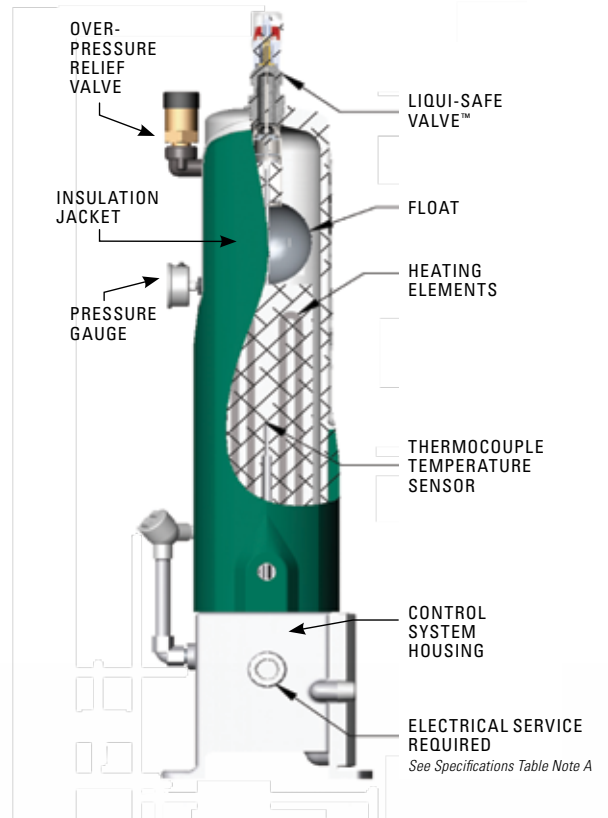
Fusible links installed in the Control System Housing provide additional over-temperature protection.

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 1 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

algas-sdi.com

Vaporization Type	Indirect dry electric													
	MODEL		TX25		TX50		TX100		TX160		TX240		TX320	
	VOLTAGE	PHASE	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS	KW	AMPS
Electrical Data	120	1	3.9	32.4										
	208	1	2.9	14.1	5.8	11.7	28.1	56.2	16.2	45				
		3					16.2	32.4						
	220	1	3.3	14.9	6.5	13.1	29.7	59.5	18.1	47.6				
		3					17.1	34.3						
	240	1	3.9	16.2	7.8	15.5	32.4	64.8	21.5	51.9				
		3					18.7	37.4						
	380	3			6.5	9.9	13	19.8	18.1	27.5	25.1	38.1	39.3	59.7
	400	3			7.2	10.4	14.4	20.8	20	28.9	27.8	40.1	36.6	52.8
	415	3			7.8	10.8	15.5	21.6	21.5	30	29.9	41.6	39.3	54.8
	440	3					13.1	17.1	18.1	23.8	25.1	33	39.4	51.7
	480	3					15.5	18.7	21.5	26	29.9	36	39.4	47.4
	575	3											39.2	39.4

Optional Economy Operation Valve:
 Activates vaporizer based on tank pressure. Requires no electricity; easily field installed on TX25 – TX320.

Electrical Class	Hazardous Area Classification — Class I, Division 1, Group D / ATEX Zone 1, EEx d IIB T3 94/9EC
Vaporizer Approvals	FM (U.S. and Canada), NEMKO, CE, ¹ PED Marked, designed per ASME
Liquid Inlet Connection	All vaporizers have a ¾" FNPT threaded inlet connection
Vapor Outlet Connection	All vaporizers have a 1" FNPT threaded outlet connection

¹ PED is per 'Module "H"
² Vaporization capacity shown is nominal. Actual is impacted by LPG composition and pressure.

² 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

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

Design Pressure	← 250 PSIG 17.2 Barg →
Relief Valve Set Point	← 250 PSIG 17.2 Barg →
Hydrostatic Test Pressure	← 375 PSIG 25.9 Barg →

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.

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

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**.



151 S. Michigan Seattle, WA USA 98108
 P 206-789-5410 | F 206-789-5414
 sales@algas-sdi.com



algas-sdi.com

