



Algas-SDI
Origins in 1932



ISO 9001
Certified

Torrexx™

Single Core Electric Vaporizer

Indirect Heated



For TX480-TX2560,
please contact factory.

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.

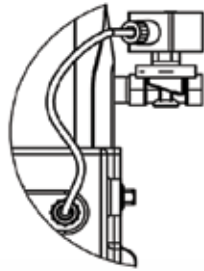
Operational Characteristics

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, however, field adjustments can be performed.

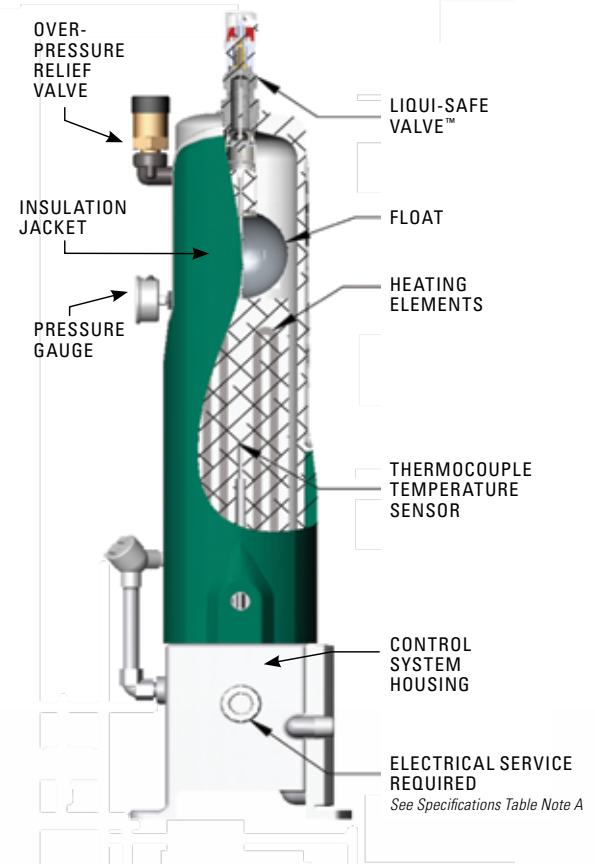
Fusible links installed in the Control System Housing provide additional over-temperature protection.

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

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Optional Economy Operation Valve:

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

¹ Torrexx 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 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.

| Vaporization Type: | Indirect dry electric | | | | | | | | | | | | | | |
|--------------------|-----------------------|-------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|------|
| | 'MODEL | | TX25 | | TX50 | | TX100 | | TX160 | | TX240 | | TX320 | | |
| Electrical Data: | 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 | | | | | | | | | | | | | |
| | 220 | 1 | 3.3 | 14.9 | 6.5 | 29.7 | 13.1 | 59.5 | 20 | 52.4 | | | | | |
| | | 3 | | | | | | | | | | | | | |
| | 240 | 1 | 3.9 | 16.2 | 7.8 | 32.4 | 13 | 54 | 21.5 | 51.9 | | | | | |
| | | 3 | | | | | | | | | | | | | |
| | 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 | 51.7 |
| | 480 | 3 | | | | | | | 15.6 | 18.8 | 21.5 | 26 | 35.6 | 43 | 39.5 |
| 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, ²PED Marked, designed per ASME

| 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 |

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

