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 Torrexx 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.

Torrexx 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 Torrexx to be installed adjacent to a tank or building with no minimum separation requirement.

IDEALLY SUITED FOR:

- Schools/Universities
- Hospitals & Clinics
- Hotels & Resorts
- Office GenSets
- Factories

Start up: < 50 Seconds

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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.

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.

### Torrexx Specifications

#### Vaporization Type
Indirect dry electric

#### Electrical Data

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<th>MODEL</th>
<th>TX25</th>
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#### 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, PED Marked, designed per ASME

#### Liquid Inlet Connection
All vaporizers have a ¾” FNTP threaded inlet connection

#### Vapor Outlet Connection
All vaporizers have a 1” FNTP threaded outlet connection

#### Vaporization Capacity

<table>
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<th>Kg/h</th>
<th>TX25</th>
<th>TX50</th>
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#### 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

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<th>Height</th>
<th>Width</th>
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--- See Note B ---

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