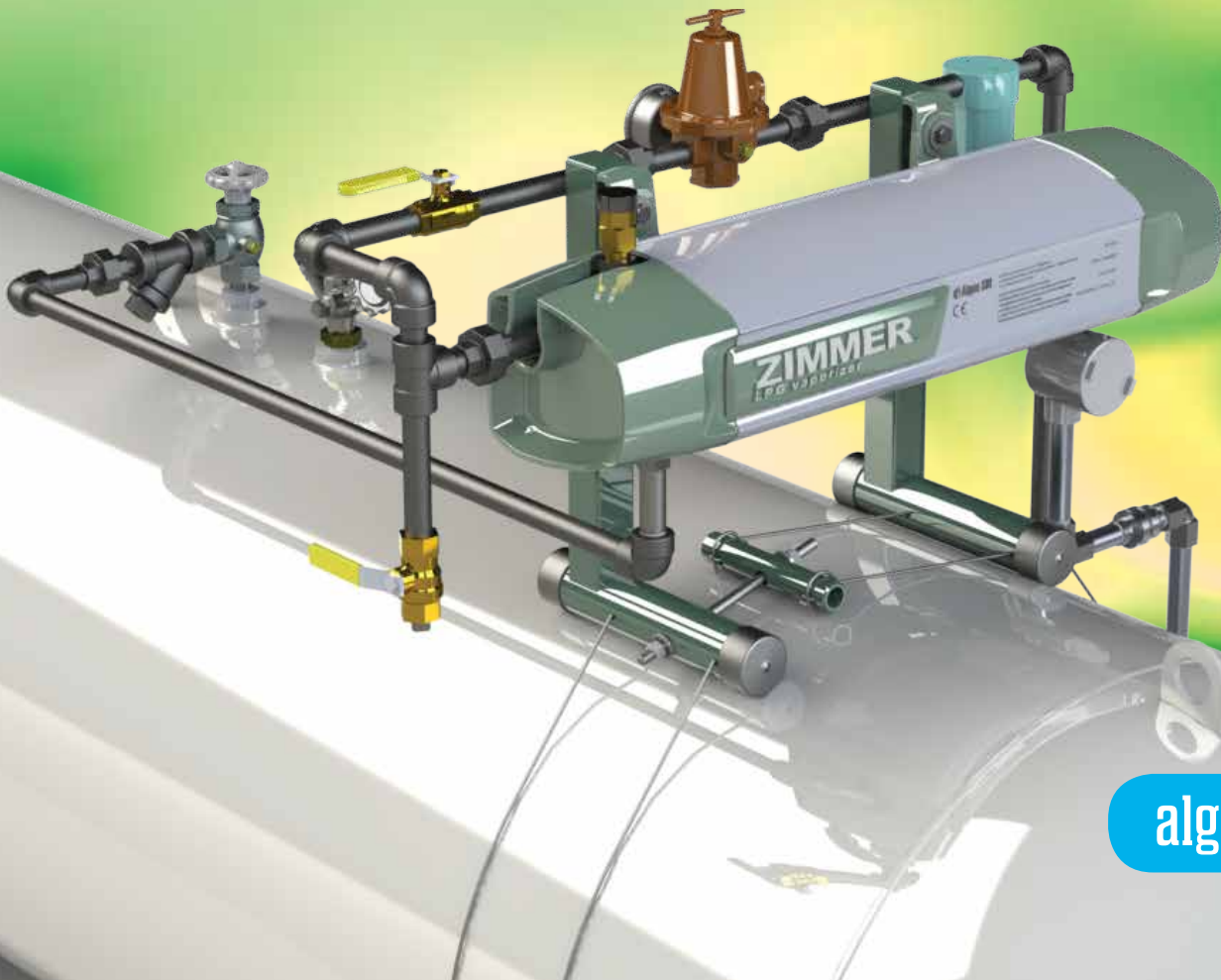


Zimmer™

Dry-Electric LPG Vaporizer



Dry-Electric LPG Vaporizer

ZimmerTM is the most hassle-free, easy-to-use vaporizer on the market. It offers a compact, affordable, energy-efficient design and requires virtually no maintenance. When quality, simplicity and reliability are your priorities, **just choose Zimmer.**

Key Points

→ Hands Down the Most Reliable and Trouble-Free Vaporizer Available

→ Energy-Efficient, Self-Modulating Heaters – Only Uses the Required Energy

→ Easy Access to All Maintainable Components

→ Dry-Electric Design – No Water, No Glycol to Maintain

→ Aluminum Construction – Corrosion Free

→ Easy to Install – Multiple Mounting Options

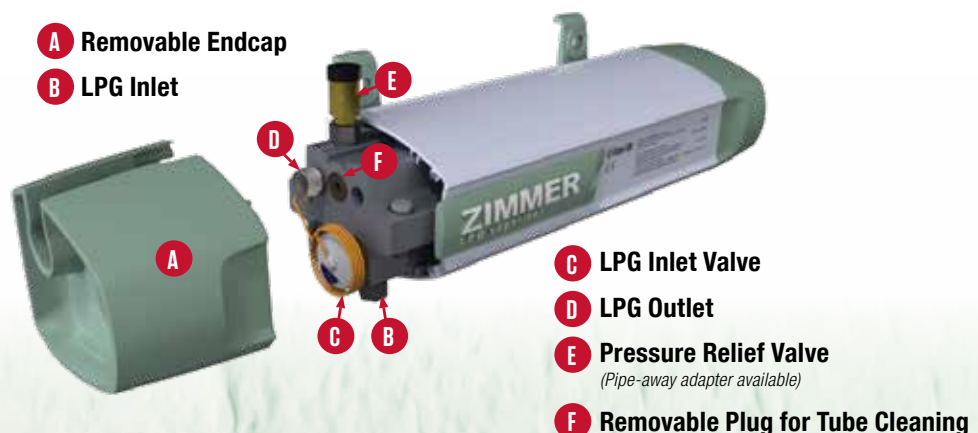
→ 25 to 150 kg/hr* – Easily add in parallel for even Greater Capacities

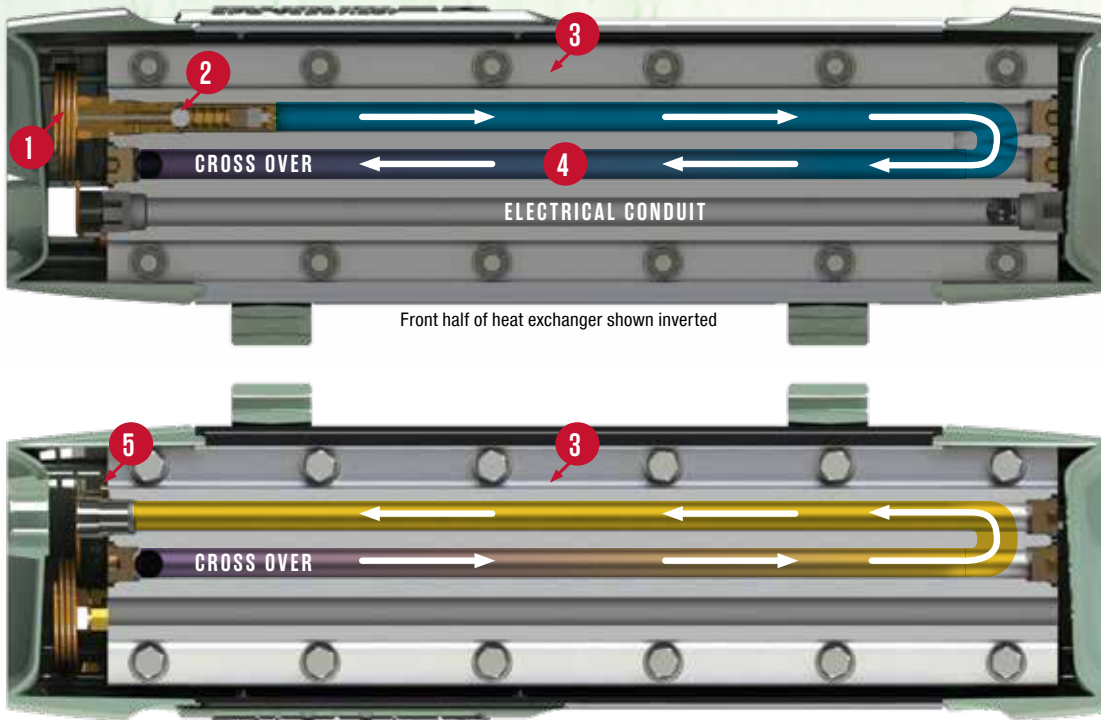
→ Start-up in less than 60 seconds – LPG vapor when you need it

*Not all sizes are available in all markets



If low cost of ownership of a vaporizer is important to you or your customers, **Algas-SDI**, the pioneer in dry-electric vaporizers, has the solution for you. Dry-electric means more reliable operation and less maintenance when compared to other vaporizer types. The **Zimmer** requires almost zero maintenance. In the event that the vaporizer becomes clogged for any reason, it can be easily cleaned onsite without removal.





Front half of heat exchanger shown inverted

Zimmer is protected under various granted and pending USA, European, Japanese and Korean patents including but not limited to: 6816669, 6707987, 02734559.4, 10-0882382, 6957013, 03779340.3, 4667872, 2010-225074, 10-2005-7006945

The technology behind the dry-electric **Zimmer** is advanced, yet simple to operate. Algas-SDI innovated every element of the **Zimmer** design ensuring years of safe, reliable, affordable, and easy-to-use LPG vaporization.

Operational Overview

Liquid LPG enters the **inlet valve** 1 and is controlled by a metal-to-metal **seat and ball** 2. Infinite seating positions of the ball provide repeatable and reliable operation.

Energy transfers from the **heat exchanger** 3 into the LPG as it passes through the easy-to-maintain **tubes** 4, causing the LPG to boil. The aluminum heat exchanger provides excellent heat transfer and corrosion-free operation. Energy drawn from the heat exchanger is replenished by energy efficient, self-modulating heaters, consuming only as much energy as required for vaporization. Heaters operate without troublesome switches, sensors, contactors, and other controls.

Exiting LPG vapor heats or cools a **temperature-sensing bulb** 5, providing feedback to the **inlet valve**. The inlet valve combines this feedback with pressure feedback to ensure only superheated LPG vapor exits the **Zimmer**.

IDEALLY SUITED FOR:



Hotels & Resorts



Backup Generators



Hog & Poultry Barns



Ski Areas



Restaurants



Small-Medium Factories



LOT Installations



Temporary Heat



HVOF Coatings

Start-Up: Less than 1 minute depending on temperature

algas-sdi.com

| Vaporizer Type/Model* | Indirect Dry-Electric Feed Out | | | | | |
|-------------------------------|--|------|-----------|--|-----------|------|
| | Model | Z25 | Z40 | Z50 | Z100 | Z150 |
| Hazardous Area Classification | Class I, Division 1, Group D, T3; Ex d IIA T3 Gb | | | | | |
| Approvals | UL/ULc, CE (ATEX & IECEx), PED (SEP) | | | | | |
| Vaporization Capacity** | Kg/hr | 25 | 40 | 50 | 100 | 150 |
| | US Gal/hr | 12.5 | 20 | 25 | 50 | 75 |
| | MMBTU/hr | 1.1 | 1.8 | 2.2 | 4.5 | 6.8 |
| Liquid Inlet Connection | 1/2" FNPT | | 1/2" FNPT | | 3/4" FNPT | |
| Vapor Outlet Connection | 1/2" FNPT | | 1/2" FNPT | | 3/4" FNPT | |
| Design Pressure (MAWP) | 250 psig - 17.2 barg | | | | | |
| Relief Valve Set Point | 250 psig - 17.2 barg | | | | | |
| Hydrostatic Test Pressure | 375 psig - 25.9 barg | | | | | |
| Unit Dimensions | 26.7" L x 9.5" H x 8.3" W | | | 67.2" L x 9.5" H x 8.3" W | | |
| | 677 mm L x 241 mm H x 210 mm W | | | 1706 mm L x 241 mm H x 210 mm W | | |
| Shipping Dimensions | 34" L x 11" H x 14" W | | | 75" L x 11" H x 14" W | | |
| | 863 mm L x 280 mm H x 356 mm W | | | 1905 mm L x 280 mm H x 356 mm W | | |
| Shipping Weight | 55 lb / 25 Kg | | | 145 lb / 66 Kg | | |
| Optional Accessories | Tank Mount Kit; Tank Mount Piping Kit; Wall Mount Kit; Strainer and Piping Kit for Wall Mount; Regulator/Gauge for Wall Mount; Drain Valve Kit | | | Floor Mount Kit; Wall Mount Kit; Strainer and Piping Kit; Regulator/Gauge Kit; Drain Valve Kit | | |

* Not all sizes available in all markets **Capacity rating may vary with ambient conditions

Algas-SDI is the world's leading provider of equipment for the standby and transportable fuels business for the last 80 years. We take pride in creating high-quality engineering design and packaged systems, with distribution to more than 87 countries worldwide. Equipped with an experienced in-house engineering and design team, Algas-SDI ensures quality control with ISO 9001 certification and offers the requisite code compliance.

Algas-SDI. We make transportable fuels easy to use.



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