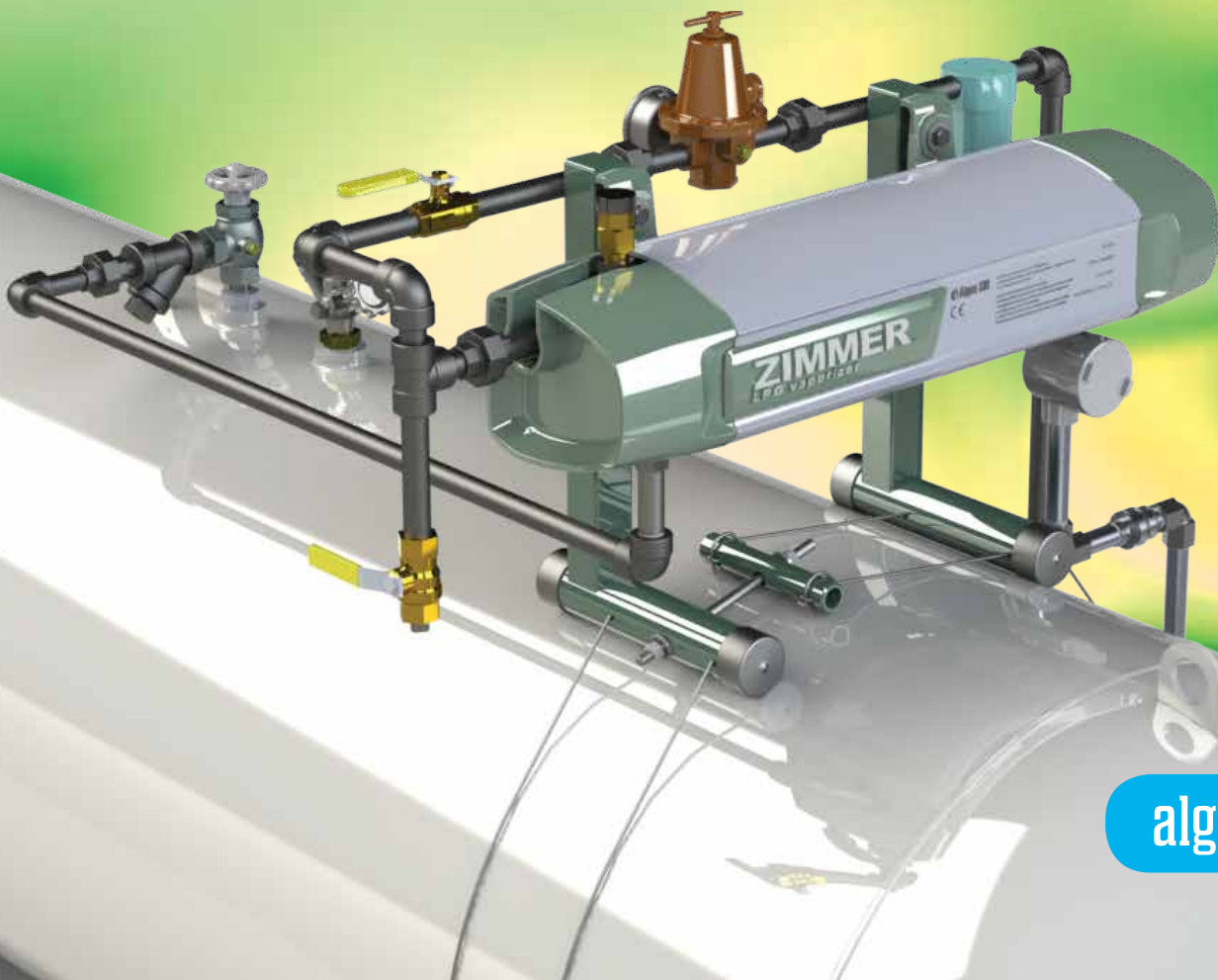


Zimmer™

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

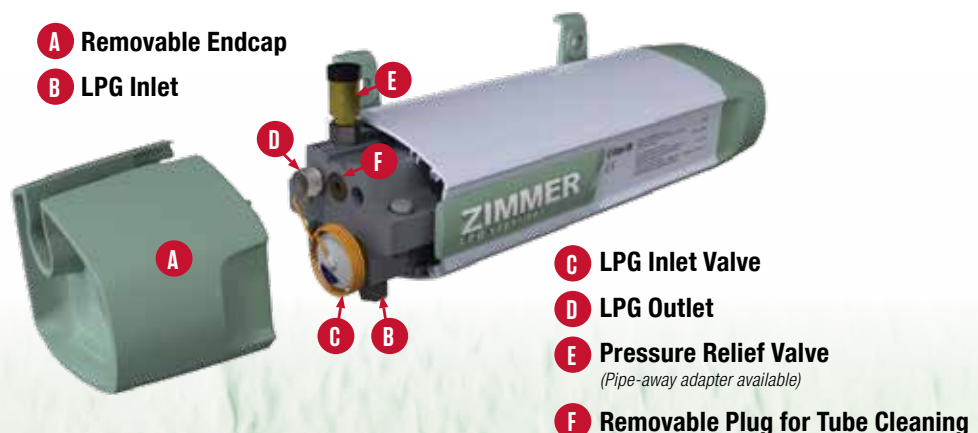
→ 25 to 150 kg/hr* – Easily add in parallel for even Greater Capacities

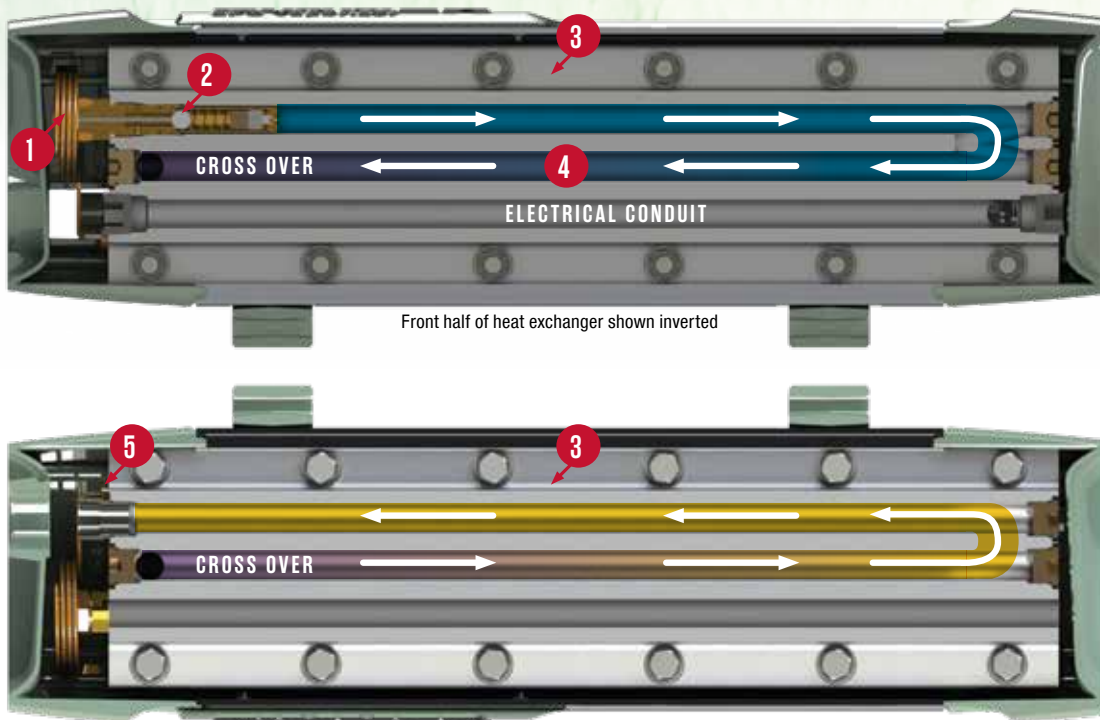
→ Start-up in less than 60 seconds – LPG vapor when you need it

*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.





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**.

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LOT
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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	1/2" FNPT	3/4" FNPT	3/4" FNPT
Vapor Outlet Connection		1/2" FNPT	1/2" FNPT	1/2" FNPT	3/4" 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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