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Contact:  
Sam Mhatre  
Director of Marketing  
Zero Zone, Inc.  
[sam.mhatre@zero-zone.com](mailto:sam.mhatre@zero-zone.com)  
262-392-6400

## Zero Zone Announces Genesys™ Natural Refrigeration Solutions

**NORTH PRAIRIE, WI—March 10, 2023**—It is time to go back to the beginning. Carbon dioxide (CO<sub>2</sub>) and ammonia (NH<sub>3</sub>) have always been in our environment, and they have also always been in the story of refrigeration with both being used as refrigerants in the 1800s. Their use declined with the advent of synthetic refrigerants, but now the AIM Act and upcoming EPA rules will propel the industry away from environment-damaging HFC refrigerants and toward low global warming potential (GWP) options. Today, natural refrigerants are a rising option for refrigeration again.

That is why Zero Zone presents Genesys™ Natural Refrigeration Solutions. It is time to return to the beginning—the genesis—of refrigeration with CO<sub>2</sub> (R-744) and ammonia (R-717) systems. CO<sub>2</sub> and ammonia are the gold standard for ozone depletion potential (ODP) and global warming potential (GWP). Neither are ozone depleting (0). CO<sub>2</sub> has a GWP of 1—which is because it is used as the baseline for that scale—and ammonia has a GWP of 0. For performance, CO<sub>2</sub> is known for its high cooling capacity, and ammonia has a reputation for excellent energy efficiency. Natural refrigerants are a future-proof solution that exceeds modern sustainability goals, allowing customers to make the best choice for themselves and for the environment. Natural refrigerants are the natural choice.

When asked about a CO<sub>2</sub> system built by Zero Zone, the owner of a refrigeration contractor said, “We know that CO<sub>2</sub> will be around and will not be phased out and will actually get bigger and bigger as time goes on. We’ve partnered with Zero Zone on many projects dating back to 40 years, so we’ve always been very familiar with Zero Zone’s equipment, how it operates, how it’s put together. Our partnership with Zero Zone has worked out really well, and they put together a very, very nice product for us to put in.”

Zero Zone offers Genesys™ CO<sub>2</sub> and ammonia systems to meet various requirements for customers. These can be standalone systems, booster systems, or cascade systems, and they can be built for indoor use, outdoor use, or inside a custom electrical mechanical center (CEMC). Pair the unit with a water-cooled, air-cooled, or adiabatic condenser (ammonia) or gas cooler (CO<sub>2</sub>). The system may use compressors from Bitzer, Copeland, and Dorin, and a variety of control systems from Emerson, Danfoss, Micro Thermo, RDM, Carel, and Allen Bradley. Plus, Zero Zone can incorporate secondary glycol loops, heat reclaim systems, and more. Zero Zone brings knowledge, experience, and a collaborative attitude to each project to design a system tailored to their customer’s needs.

Upcoming EPA regulations will end the use of most HFC refrigerants by 2025, which means today is the day to choose Genesys™ Natural Refrigeration Solutions for your next project. For more information about the Genesys™ CO<sub>2</sub> systems, visit <https://www.zero-zone.com/natural-refrigeration-solutions/>.



ZERO-ZONE.COM

**CASE DIVISION**  
110 N OAKRIDGE DRIVE  
NORTH PRAIRIE, WI 53153  
Phone: 800-247-4496  
Fax: 262-392-6450

**SYSTEMS DIVISION**  
6151 140TH AVE NW  
RAMSEY, MN 55303  
Phone: 800-708-3735  
Fax: 763-398-1998



# Genesys™

## About Zero Zone

Established in 1961, Zero Zone has facilities in Wisconsin, Minnesota, and Iowa. Zero Zone is a leading manufacturer of refrigerated glass door and multi-decks display cases, commercial refrigeration systems, and industrial refrigeration systems. Zero Zone products serve retail customers such as supermarkets, drug, dollar, and convenience stores, and Zero Zone sells equipment to industrial customers such as cold storage warehouses, food processing facilities, distribution centers, blast freezers and chillers, food and beverage production, ice arenas, and pharmaceutical and medical storage.

## Photo Available



**Above: Genesys™ CO2 Transcritical 300-ton Chiller for Pharmaceutical Application**

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