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Godrej Appliances' ultra-low temp freezer to ramp up global vaccine cold chain

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Godrej Appliances has added state-of-the-art ultra-low temperature freezers to its portfolio, strengthening the vaccine cold chain further. These advanced medical freezers can preserve life-saving medical supplies including critical vaccines below -80°C and are aimed at boosting both Indian and global medical cold chain.

The ultra low temperature freezers are a new addition to this portfolio and are particularly suited to mRNA-based vaccines which are being deployed in other countries currently. The mRNA-based COVID-19 vaccines are extremely temperature-sensitive as well and must be stored at very cold temperatures.

The operating principle for the Godrej Ultra Low Temperature freezer is a cascading system having a PHE (plate heat exchanger) as a heat exchanger between the primary and the secondary system. This lowers the standing pressure of the secondary system leading to lowering of temperature.

The current capacity for Ultra Low Temperature Freezers is 12,000 units per annum, which Godrej Appliances is working towards quickly ramping up to 30,000 units per annum, to meet the growing global demand.

Jamshyd Godrej, Chairman and Managing Director, Godrej & Boyce Manufacturing Company Ltd said, “Our latest offering of Ultra Low Temperature Freezers will help make India more ready for vaccines of the future as well. This endeavour also brings alive our ethos of Made in India for the world.”

Kamal Nandi, Business Head and Executive Vice President, Godrej Appliances said, “With our newly launched range of advanced ultra-low temperature freezers, which can provide a temperature of below -80°C, India will also have the storage solutions readily available, for other COVID-19 vaccines being deployed across the world.”