

## Honeywell teams with AstraZeneca to develop next-generation respiratory inhalers

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**Next-generation inhaler will use Honeywell's Solstice Air to reduce greenhouse gas emissions of propellant by upto 99.9 percent vs current inhaler propellant**



Honeywell has announced a commercial partnership with AstraZeneca to develop and bring to market next-generation respiratory inhalers that use near-zero global warming potential (GWP) propellants to treat asthma and chronic obstructive pulmonary disease (COPD).

As many as 384 million people suffer from COPD, a progressive respiratory disease, and 339 million children and adults suffer from asthma. Many of these patients are currently treated using pressurized metered dose inhalers (pMDIs) that can contribute to the global carbon footprint of respiratory care.

AstraZeneca, a global leader in treatment of respiratory diseases, is working to incorporate Honeywell's Solstice Air (HFO-1234ze cGMP) technology as a medical propellant, reducing the greenhouse gas emissions of the pMDIs by up to 99.9 percent when compared to current inhaler propellants. Solstice Air is the only non-flammable, near zero GWP propellant available and in clinical development today for pMDIs.

A recently completed Phase I clinical trial of the propellant HFO-1234ze in a pMDI containing budesonide, glycopyrronium, formoterol fumarate in healthy adults was positive, demonstrating similar safety and tolerability profile and systemic exposure of the active ingredients when compared to *Breztri Aerosphere* (budesonide/glycopyrronium/formoterol fumarate). AstraZeneca expects *Breztri Aerosphere* to be the first medicine to transition to the next generation pMDI platform, subject to regulatory approval.

Following these positive results from the Phase I trial, AstraZeneca will advance a commercial partnership with Honeywell to develop their triple-combination therapy, *Breztri Aerosphere*, using Honeywell's near-zero GWP propellant technology.