

# Zenhaler DPI Device

**Brand Name:** Zenhaler DPI Device

**Dosage Form:** Dry Powder Inhaler (DPI) Device

**Therapeutic Category:** Pulmonary Drug Delivery System – For Bronchial Asthma, COPD, and other obstructive airway conditions

## Description:

Zenhaler DPI Device is a breath-actuated, propellant-free dry powder inhalation device designed for the effective delivery of powdered medication directly to the lungs. It provides precise and consistent dosing with minimal inspiratory effort, making it suitable for a wide range of patients, including those with compromised lung function. The device is reusable and is designed to be used with pre-filled capsules or blister strips containing inhalable formulations.

## Indications:

- Bronchial asthma
- Chronic obstructive pulmonary disease (COPD)
- Allergic and non-allergic airway inflammation
- Maintenance therapy with inhaled corticosteroids or bronchodilators
- Prophylactic management of exercise-induced bronchospasm (when used with appropriate drug)

## Mechanism of Action:

The DPI device works by utilizing the patient's inspiratory effort to disperse the powdered medication into fine particles. As the patient inhales through the mouthpiece, air passes through the powder chamber, creating turbulence and breaking down the powder into breathable-sized particles (typically 1–5 microns). These particles travel deep into the lungs, providing rapid and localized therapeutic action with minimal systemic absorption.

## Key Features:

- Breath-actuated – does not require hand-lung coordination
- Portable, easy to use, and hygienic
- Optimized for consistent dose delivery with minimal powder retention
- Compatible with various formulations: bronchodilators, corticosteroids, mucolytics, etc.
- Suitable for chronic use and multiple doses per day depending on the medication used

## Directions for Use:

- Insert the dose capsule or strip into the designated chamber
- Close the device as instructed to pierce the capsule (if applicable)
- Exhale fully away from the device
- Place mouthpiece in mouth, inhale deeply and forcefully
- Hold breath for 5–10 seconds after inhalation
- Remove capsule (if single-dose) and discard after use

## Contraindications:

- Known hypersensitivity to any component of the inhaled formulation
- Inability to generate adequate inspiratory flow (severe neuromuscular disorders)

**Warnings & Precautions:**

- Ensure proper training in device use to avoid dose wastage
- Rinse mouth after use if corticosteroid formulations are used to prevent oral thrush
- Do not use in mechanically ventilated patients
- Keep the device clean and dry at all times
- Not to be used with liquid or nebulized medications

**Adverse Effects (related to improper use or associated drug):**

- Cough or throat irritation
- Hoarseness or voice change
- Oral candidiasis (when used with corticosteroids and mouth not rinsed)
- Dry mouth or bad taste

**Storage:**

Store the device in a clean, dry place below 30°C.

Protect from moisture and contamination.

Keep out of reach of children.

Manufactured in India for:



**Cafoli Lifecare Pvt. Ltd.**

**(An ISO 9001: 2015 Certified Co.)**

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

TM: Trademark Applied for