

# Data Sheet

## Model: Mini-Desiccator with Gas Inlet and Outlet



### INTRODUCTION

A mini desiccator, equipped with gas inlet and outlet ports, plays a crucial role in preparing and preserving coal or coke samples for moisture analysis. This desiccator is an essential part of the Elite MFSU (Minimum Free Space Oven), ensuring accurate and reliable results during testing.

The mini desiccator is designed to create a controlled, moisture-free environment for samples after they have been processed in the MFSU. By introducing an inert gas, such as nitrogen, through the gas inlet, the desiccator displaces ambient air and humidity, thereby preventing moisture reabsorption by the samples. The gas outlet allows for the continuous flow of gas, ensuring that the internal



Mini-Desiccator with Gas Inlet and Outlet

### Mini desiccators suitable for this application typically feature:

- | Gas Inlet and Outlet Ports: Facilitate the introduction and continuous flow of inert gas to maintain a dry environment
- | Compact Size: Designed to accommodate small sample volumes, minimizing the amount of inert gas required for purging
- | Sealed Environment: Equipped with airtight seals to prevent external air ingress, ensuring the internal atmosphere remains controlled
- | Transparent Construction: Allows for easy monitoring of samples without opening the desiccator, thus maintaining the controlled environment

### Product advantages

- | One Touch Door with circular seal
- | Robust construction
- | Transparent, shatterproof cabinet made of polycarbonate
- | Superb all-round visibility
- | Hinge door with wide opening angle
- | Lightweight, transportable
- | Stackable

- | Material: Clear, polycarbonate
- | Temperature resistance: -35°C to +70°C
- | Use: normal pressure, Lesser than 0.5 bar
- | External desiccator dimensions (mm): W x H x D: 221 x 183 x 214
- | Internal desiccator dimensions (mm): W x H x D: 208 x 159 x 180
- | Two connections for gas filling including quick couplings with self-sealing valves and hose
- | Desiccant in a handy, resealable container included in delivery

### Supplied With

- | Mini-Desiccator with gas inlet and outlet
- | Catalog Number: et31-221-183-214-6 supplied with:
  - Jar with Silica Gel (Approx. 23 grams)
  - Connections for gas filling with quick couplings and hose (5 meters)
  - Operating Instructions

### Spares & Consumables Ordering Information

Catalog Number	Product Name
et31-025-035-23	Jar with Silica Gel, 23 grams
et31-014-006-5	Hose 5 meters with quick couplings

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