

# Air Brake Chamber

This air brake chamber is a component of an air brake system used in heavy vehicles. Compressed air is converted into mechanical force to apply the brakes.



## Overview

### Air Brake Chamber Functionality

This air brake chamber is a critical component designed for heavy-duty vehicle air brake systems, including trucks and buses. It effectively converts compressed air into mechanical force to ensure reliable braking performance. By utilizing a pressure plate, diaphragm, and push rod mechanism, it translates pneumatic input into the physical force required to slow or stop the vehicle safely.

## Technical Specifications

### Key Components

- Pressure plate
- Diaphragm
- Push rod

### Application

Heavy Vehicles, Trucks, Buses

### Operational Principle

Converts compressed air into mechanical force