

# Air Brake Chamber

This brake chamber is a key part of a vehicle's braking system, especially in heavy-duty vehicles. It uses compressed air pressure to create mechanical force that activates the brakes.



## Overview

### Air Brake Chamber Functionality

This air brake chamber is a critical component designed for heavy-duty vehicles, including trucks and buses. It efficiently converts compressed air pressure into mechanical force to actuate the braking system. Engineered for reliability, the unit utilizes a robust diaphragm and push rod mechanism to ensure consistent stopping power and safe vehicle operation.

## Technical Specifications

### Core Components

- Pressure plate
- Diaphragm
- Push rod

### Compatible Vehicles

Heavy-duty trucks, Buses, Air brake systems

### Operating Principle

Compressed air enters the chamber, pushing against the diaphragm to actuate the push rod and apply mechanical force to the brake mechanism.