

Diaphragm Brake Chamber for Heavy-Duty Vehicles

This brake chamber is a critical component in air brake systems, typically found in heavy-duty vehicles. It converts air pressure into mechanical force to apply the brakes.



Overview

Heavy-Duty Diaphragm Brake Chamber

This diaphragm-type brake chamber is a critical component designed for air brake systems in heavy-duty vehicles, including trucks and buses. It efficiently converts air pressure into mechanical force, driving a pushrod that activates the vehicle's braking mechanism. Engineered for durability, its robust construction ensures reliable performance in demanding operating conditions.

Technical Specifications

Key Features

- Diaphragm-based pneumatic-to-mechanical conversion
- Robust, durable housing for harsh environments
- Integrated clevis for secure brake linkage connection
- Adjustable threaded pushrod connection with locking hardware

How it Works

When compressed air enters the chamber, it exerts force on the internal diaphragm. This movement drives the pushrod forward, which is connected to the brake linkage, effectively applying the brakes. The design ensures consistent force transmission required for heavy-duty braking applications.

Component Type	Diaphragm Brake Chamber
Primary Applications	Heavy-duty vehicles, Trucks, Buses, Air brake systems