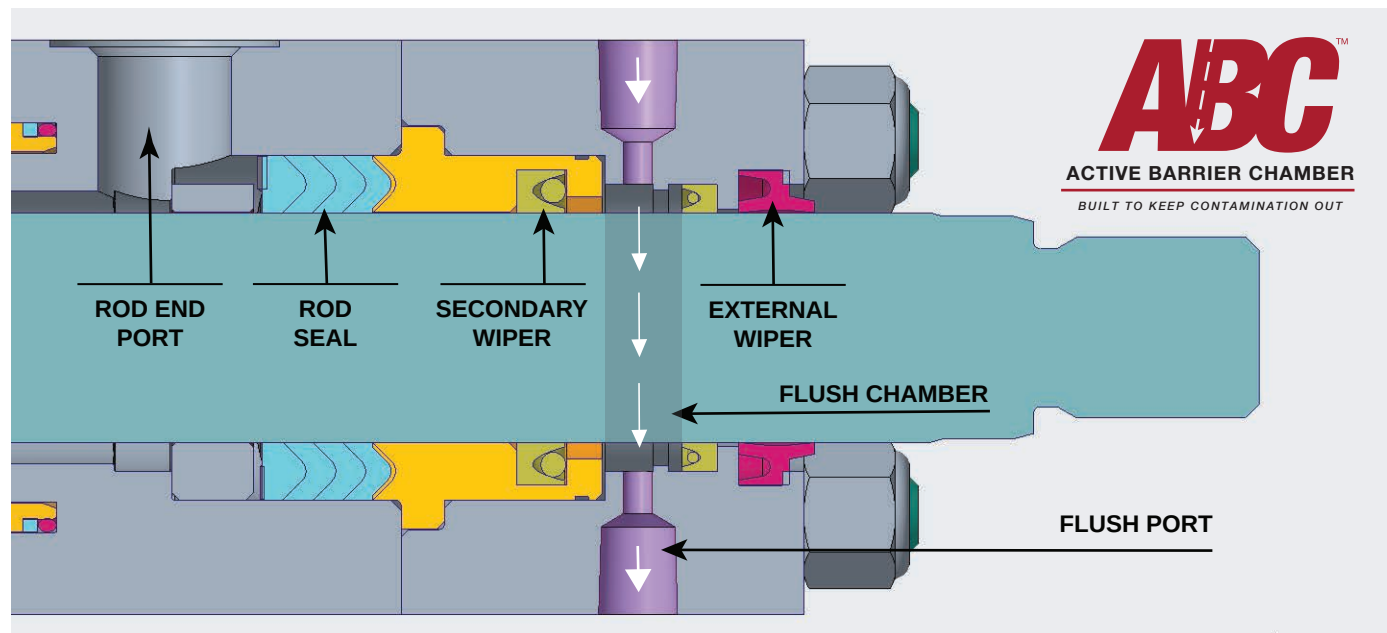


Active Barrier Chamber™ PROTECTION SYSTEM

Active contamination control for rod and seal protection

Standard wipers are passive. The Active Barrier Chamber (ABC) adds a low-pressure flush chamber and secondary internal wiper to remove debris before it reaches critical sealing surfaces.



How it Works

1 External wiper

First pass at the rod entry point.

The Problem

- Traditional wipers are passive and cannot stop all contamination.
- Fine particles can bypass the wiper and enter the cylinder.
- Contamination can damage rod seals, wear piston seals, score internals and increase downtime.

2 Low-pressure flow

Flush chamber carries contaminants away before entry.

The Solution

- Dedicated flush chamber positioned behind the external wiper.
- Continuous low-pressure fluid flow removes contaminants before entry.
- Secondary internal wiper seal provides an additional layer of protection.
- Sealed chamber keeps flush fluid contained and controlled.

3 Second defense

Internal wiper cleans the rod before critical seals.

Key Benefits

- Extends seal life in dirty environments.
- Reduces maintenance costs and unplanned downtime.
- Protects internal components from contamination damage.
- Improves reliability where standard cylinders struggle to survive.
- Available in various seal materials.

BEST-FIT APPLICATIONS: Mining Equipment • Steel Mills • Airborne Particulates / Dusty Environments
Wet / Dirty Washdown • Slurry Exposure • Powder Metal Applications

Seal package note: Consult engineering for the best seal package based on environment.

When contamination threatens uptime, make the wiper system active.

Contact your Milwaukee Cylinder Distributor or Milwaukee Cylinder for details