

Pneumatic Controls for Rail Cars

50 Years of Innovation in Designing Pneumatic Controls for Rail Hopper Cars



Bosch Rexroth Pneumatics has been the leading pneumatic component manufacturer for automation of hopper cars since the 1960's. The involvement by Rexroth with the railroad industry dates back to the late 1800's when we were part of Westinghouse Air Brake Company, then WABCO Fluid Power. Our success can be attributed to high quality, reliable, and innovative products, along with

an unsurpassed customer satisfaction record. Today we supply the rail car industry with double acting pneumatic cylinders and directional control valves (like SuperSpool™) for control of hopper gates. Other accessory devices supplied include check valves, quick exhaust valves, filters and regulators. Products are designed for long life with easy installation and repair, keeping downtime to a minimum.

Features and Benefits

RAIL CAR CYLINDERS:

Heavy Duty Cast Heads & Caps

Standard 8", 12" and 14" bore cylinders come with cast ductile iron heads and caps.

Tube Material Options

Choice of chrome plated I.D. steel tubing or lightweight fiberglass tubing.

Piston Rod Options

Hard chrome plated steel or stainless steel piston rods in variety of diameters.

Various Stroke Lengths

Numerous cylinders with standard stroke lengths between 17" and 30" have been produced and have standard part numbers. In addition, we are always able to meet customers' specific needs.

Mounting Style Flexibility

NFPA MP1, MS4 and customized mounts available.

RAIL CAR VALVES:

Operator Choices

Manual or solenoid operators.

Mounting Flexibility

Choose from subplate mounted or tapped body options. Protective cover optional.

Variety of Port Sizes

Port sizes range from ¼" thru 1¼" NPT

PRE-LUBRICATED COMPONENTS

Air line lubricators available, but not required.

ADDITIONAL ACCESSORIES

Flow Metering Devices

Flow control valves, quick exhaust valves and check valves for flow metering.

Air Supply Accessories

Filters, regulators, anti-freezers, etc.

Other Cylinder Types

Light to medium duty aluminum Taskmaster® and heavy duty Powermaster® cylinders provide various control functions.

TYPICAL APPLICATIONS

Hopper—Bottom Dump Rail Cars

Hopper—Rotary / Bottom Dump Rail Cars

Hopper—Aggregate / Commodity Type Cars

COMMODITIES TRANSPORTED

- Coal
- Grain
- Sugar
- Metallic ores and aggregate
- Crushed Stone, Sand & Gravel

**For more information, contact our Rail Car Account Manager, Michael Haskin at:
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