KAB60
Distributor Valves

APPLICATIONS
1520 mm Gauge Freight Cars | 1520 mm Gauge Locomotives
Knorr-Bremse distributor valves have enjoyed global success for many decades, but the project to develop a new valve for trains operating on 1520 mm gauge track was an interesting challenge. Freight trains in Russia are particularly long and travel at relatively high speeds. These trains require distributor valves that guarantee rapid and even filling and venting of the brake cylinders, right down to the final car. They must also be capable of functioning at temperatures ranging between -60 °C and +80 °C. They also have to be extremely durable, highly reliable and compatible with existing braking systems. Following close cooperation with Russian specialists and the creation of an accredited testing center and rigorous testing procedures during the development process, the new valve was successfully developed.

ADVANTAGES
- Increased overhaul cycle (6 years and above)
- Reduced impact of shock and vibration (high stability against unintentional application)
- Improved protection
- Performance maintain even in poor air quality conditions
- Application of stainless steel components with virtually unlimited operating life
- Universal action of BC filling and release times
- High accuracy of BC pressures
- Reduced longitudinal forces within the train
- Easy to maintain
- Certified by the System of Certifications of the Russian Railway Transportation
KAB60 DISTRIBUTOR VALVES

**KAB60-01/KAB60-05 DISTRIBUTOR VALVE**

- Vertical positioning of the piston systems makes for more reliable functioning in the case of shocks or jolts in the trainset
- Integrated load-dependent adjustment in main portion for precise brake cylinder pressures
- Highly effective air filtering at all compressed air ports
- Easy exterior access
- Reduced stress on car mounting
- Compatible with existing distributor valves

**PISTON SYSTEM**

- Stress-optimized membranes with special materials for temperatures between –60 °C and +80 °C
- Low-wear, maintenance-free sleeve bearing
- Designed to withstand shock and vibration

**MAIN PISTON SYSTEM COMPONENT**

- High-quality materials ensure long life
- Sealing and guide surfaces in stainless steel
- Wear-free stainless steel valve seats
- Durable, stainless pressure springs

**ON-TRAIN PERFORMANCE**

- Homogeneous brake force built up throughout train due to improved acceleration
- Universal action of brake cylinder fill times in all load positions