

Application Solution

Pneumatic system for automatic locking device at container chassis



Georg Fischer
Verkehrstechnik GmbH

- Shockproof bistable valves
- Space saving round cylinders
- Extended temperature ranges
- Electrically reset emergency valve

Technical data:

Cylinder SP7313096
Round cylinder: Ø 50 mm,
stroke 125 mm

Emergency stop valve
KE02427003162
3/2 way mechanical
push button
Solenoid reset
Nom. voltage 24VDC ± 30%
Temp. range -35 °C...+50 °C
Spool blocking

Valveblock KE12392021356
G1/8 port size
Temp. range -35 °C...+50 °C
Bistable with spool blocking

With increasing goods traffic more efficiency is necessary in fast moving container reloading. The Recolock® System by Georg Fischer Verkehrstechnik provides safety and comfort as well as saving time by using automatic devices for locking the containers on the chassis. On the push of a button the combination chassis is set up for the size of the container, and the locking devices are actuated pneumatically as the container is placed on the chassis.

KUHNIKE equips the pneumatic system with shock-proof bistable valves as well as with a special emergency stop valve, which is

unlocked electrically by the PLC. Round cylinders are used for the narrow space conditions in the chassis frame, the cylinders and mountings are adapted to the installation situation.

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