



- Integrated protection for each silo
- Protection against damage and excessive maintenance costs
- Deals with all circumstances
- Technically advanced and reliable
- Immediate retrofitting
- Economical

# KURZ SAFETY SYSTEM

ALL ROUND PROTECTION FOR EACH SILO





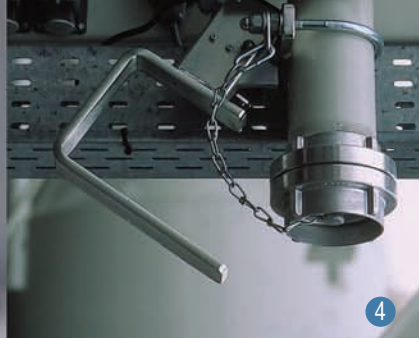
out going air filter



side lever



squeeze valve



pneumatically operated switch



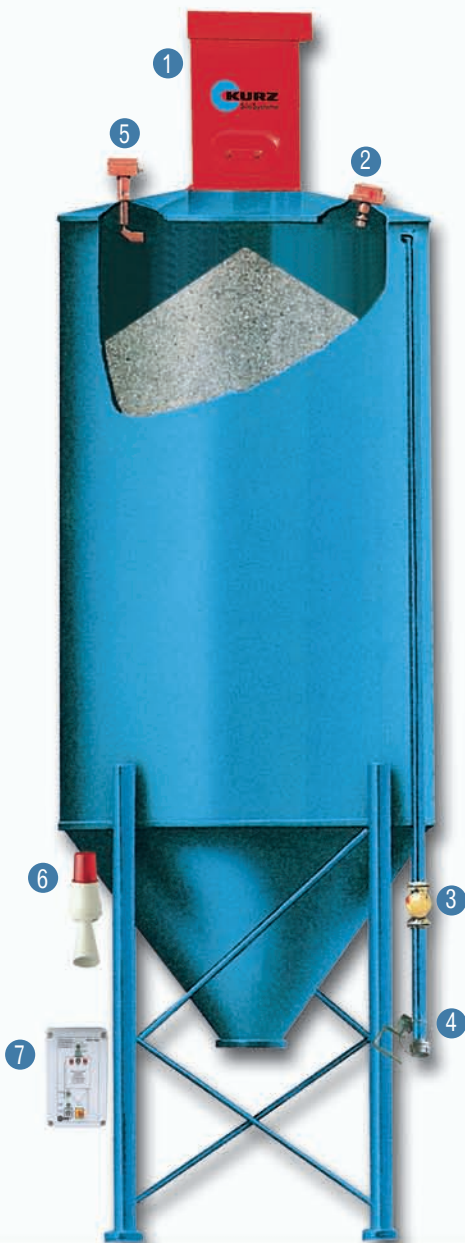
full-up indicator



warning light with horn



Control box



## KURZ SAFETY SYSTEM:

### THE COMPONENTS

#### Protective functions:

- Monitoring and guidance of components via the **KURZ** control box.
- Activating the key switch releases the filling mechanism.
- On connecting the filling hose the side lever switch is released and the squeeze valve is closed.
- Dedusting of outgoing air filter for ca. 30 sec.
- Finally the squeeze valve automatically opens and the filling duct is released for filling.
- Constant monitoring of the filling level by the full-up indicator alarm fixed to the ceiling of the silo.
- On attaining the maximum permissible filling level, the control activates a warning light and horn.
- After that 120 sec. remain to blow out the residue left in the filling hose. The squeeze valve automatically closes when this is over.
- Should the pressure in the silo rise above 0.04 bar, the protection system is automatically activated and the filling duct is closed.
- The fully automatic filter control purifies the filter every time the filling hose is connected up or disconnected.

To run this plant the authorities require the installation of an overcharge protection with end surge delimitation corresponding to the **KURZ SAFETY SYSTEM**. A retrofit of this is required for each plant.



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