

THE TECHNOLOGY  
OF THE FUTURE

- 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



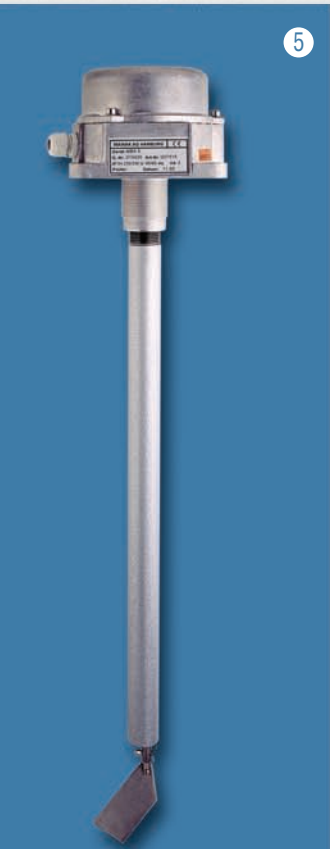
side lever



squeeze valve



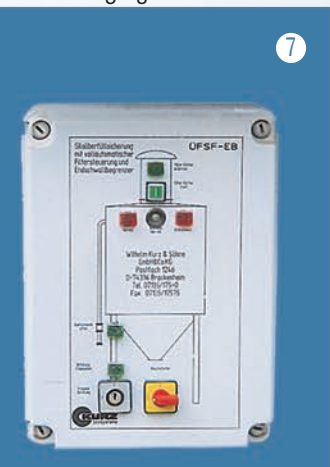
pneumatically operated switch



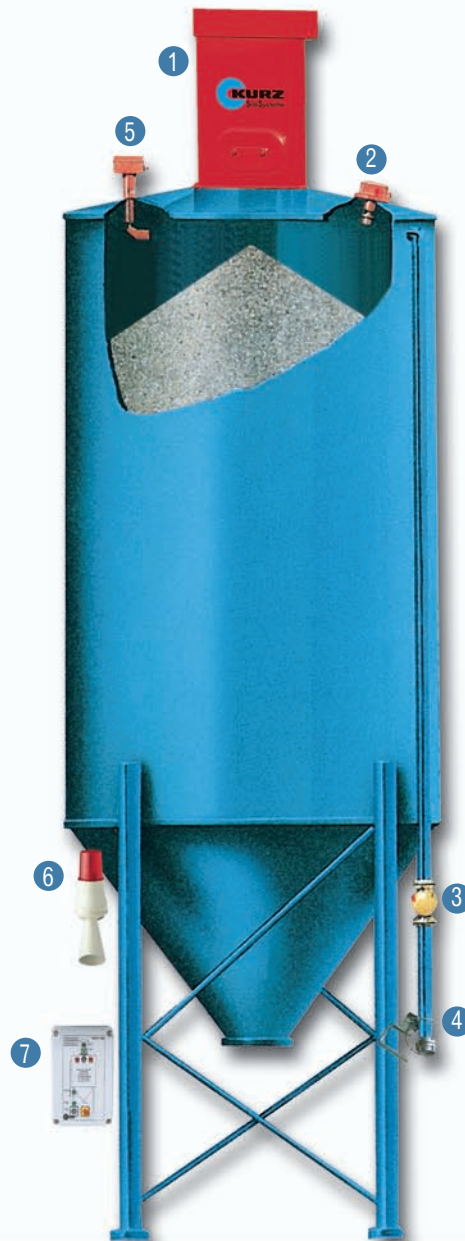
full-up indicator



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.



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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.