LARGE VOLUME POWDER STORAGE FOR PROCESS FEEDING

PALAMATIC PROCESS, specialist in the integration of turnkey systems, offers the possibility to produce your silos and tanks regardless of their size and tailored to your requirements for storage and distribution. Rigid silos allow contained storage of powders and high density bulk material.

TECHNICAL SPECIFICATIONS

Volume: up to 200 m³
Bottom: conical
Dimensions: depending on the diameter of the silo, the delivery is made in standard or wide load transport (category 1: up to 3 meters wide / Category 2: from 3 to 4 meters wide).

Our assembly team travels on site for mounting the silo and its accessories.

MANUFACTURING

- Steel
- Stainless Steel
- Aluminum
- Resin

3 TYPES OF SUPPORT

- On foot
- With wrapped around bottom cover
- On terrace
- Crane and Installation on your site

EXAMPLES OF INSTALLATIONS

Download videos & layouts from our website
### VALVES
- **Automatic butterfly valve**: to ensure tightness of the silo
- **Automatic slide valve**: to ensure tightness of the silo and to allow a full bore
- **Rotary valve**: to ensure tightness of the silo and product dosing
- **Service valve**: to isolate the silo for maintenance operations
- **Inerting and nitrogen degassing**: valves for inerting and nitrogen degassing

### INSTRUMENTATION
- **Level probe (all or none)**: with pallet, vibration or capacitive technology
- **Continuous level probe**: sets the silo filling level (guided radar, cable radar)
- **Load cells**: to control the amount of material in the silo
- **Oxygen sensor**: measuring the level of oxygen in the silo
- **Pressure sensor**: measuring pressure in the silo

### ANTI-BRIDGING DEVICES
- **Vibrating bin aera-tor**: to ease the flow of the material with light pressures
- **Bin activator**: vibration of the bottom of the silo for extraction
- **Air cannons**: high rate air injection
- **Bridge breaker hammer**: to avoid arches
- **Relief valve**: safety device to avoid rises of pressure

### Ladder with safety cage and guard rail
To secure access to the roof of the silo

### Expansion vent
To release the energy generated by the explosion
The sizing of the vent surfaces is determined according to the MIE of the material and the storage volumes.

### Pneumatic conveying piping
Connection for tank truck or pneumatic conveying line

### Expansion chamber
End point of pneumatic conveying system feeding the silo
The expansion chamber allows stopping the speed of the material when it arrives into the silo. The product falls as rain and prevents abrasion of the walls of the silo.

### Silo filter
Separating the material from the air flow
The filter cleaning is automatic according to the pressure difference. ATEX and/or food grade versions are possible.

### Safety
- **Relief valve**: to avoid rises of pressure