

Bulk Storage & Conveying Systems “Silo Series“

“Affordable solutions to bulk storage and conveying”

APPLICATION:

The “Silo Series” Bulk units are used for the offloading, safe storage and conveying of commodity products such as flocculent, depressant, lime, guar and others. A robust design makes it a highly effective and competitive in mining, process, pulp and paper and water treatment applications.

BENEFITS:

- Fully Automated.
- Very low operational costs.
- Accurately sized components.
- Maximum efficiency of chemicals.
- Flexible concentration parameters.
- Low transport and installation costs.
- Short and prompt commissioning times.
- In-house engineering and manufacturing.
- Compatible to most powder polymer products.
- User friendly faultfinding and operational manual.
- Standard units from 5 to 30 Tons to choose from.
- Easy to change configuration and set-up parameters.

FEATURES:

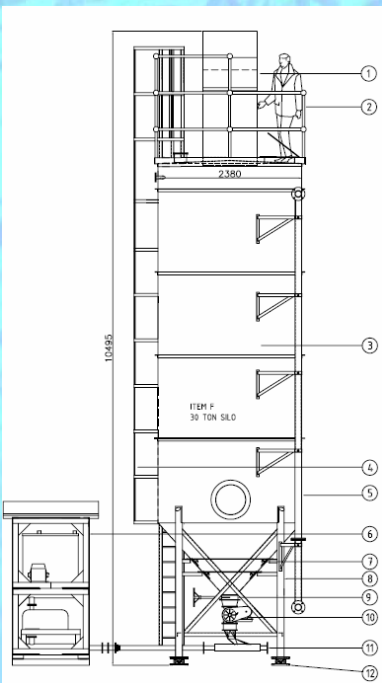
- Pre – Engineered unit.
- Robust steel construction.
- Stainless steel screw or rotary feeders.
- Correctly sized blowers and dusters.
- Positive displacement dosing and transfer pump.
- Interlock protection for all critical components.
- Minimum of IP55 protection on all components.
- Skid mounted for ease of installation or re-location.
- Conversion between Liquid and Powder polymers possible.

OPERATION:

1. Bulk transporters connect via a flexible pipe to filling line.
2. Offloading takes place using a compressor on the truck.
3. A de-duster ensures that all offloading is environmentally safe.
4. Load cell indication gives accurate offload volumes.
5. On request from the plant the correct amount of powder is delivered using a screw feeder and blower combination.

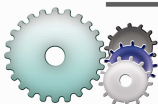
APPLICATIONS:

1. FLOCCULENTS (ALL TIPES)
2. LIME AND PH POWDERS
3. PLASICS AND POLYMERS



- 1) Filter unit
- 2) Galvanised handrailing
- 3) 30 Ton silo
- 4) Cat ladder
- 5) 4" Pipe
- 6) Floc protection unit
- 7) Fluidising mushrooms
- 8) 4" Pipe for legs
- 9) Manual valve
- 10) Rotary vane feeder
- 11) Cladded venturi system
- 12) Load cells

Rockwell Automation
Allen-Bradley



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