

# Silo Systems

## Reduce Operator Handling and Cost of Dry Materials

### General

Simply a better silo design. VeloDyne's two-piece silo systems minimizes installation time, reduces commissioning time and provides a more open layout. How?

- The two-piece design allows VeloDyne to fully install, test and ship the lower section, housing the feed equipment, plumbing and controls. According to customer feed-back, this reduces field installation costs and time by 30% to 40%, and overall commissioning time by as much as 50%.
- The equipment room design routes plumbing and conduit under the removable floor grating or over-head for increased open space around equipment, and the back wall of mix tanks are designed with a radius to fit up against the radius of the silo wall, reducing equipment foot print.
- The lower equipment room section is shipped up-right, rather than on it's side, virtually eliminating the possibility of damage during shipment.
- The upper storage section is shipped to the job site for mounting to the lower section. Each section has a junction box located at the bolting flange to allow the contractor to easily and quickly interconnect the two pieces.

Traditionally single-piece silo's designed for field installation of equipment and controls are also available.



## Features

VeloDyne Silo Systems are used in municipal and industrial water and wastewater treatment. The systems store, feed, dissolve, and deliver chemical to the desired process point.

Typical applications include:

- Neutralization and PH control
- Heavy metal removal
- Taste/odor control

Each silo is engineered to your needs with multiple options available. Features and options:

- Two-piece design.
- 8' to 14' diameter.
- Pneumatic silo fill pipe assembly with NEMA 4X stainless steel truck unloading panel.
- Dust collection system.
- OSHA approved caged ladder and handrail for roof access.
- Silo level devices.
- Continuous and/or point level.
- Bin Activator or Vibrators.
- Volumetric screw feeder with washdown inverter duty motor and variable frequency drive.
- Slurry make down/storage tank with mixer, and level devices.
- Slurry feed pumps if required.
- Chemical wetting cone/eductor conveyance system
- All required piping and valves.
- Equipment room ventilation fans, heaters and lighting.
- Optional insulation,
- Optional silo weighing system for inventory monitoring
- Local control system with programmable logic controller (PLC) including pre-programmed system logic. Factory witness testing available upon request. All VeloDyne silo control panels are UL, CUL or CSA certified



## VELODYNE ADVANTAGES

Over twenty-five years of experience designing and manufacturing silo systems, chemical feed equipment and bulk solids handling has refined our systems for industry-leading performance and quality, reduced field installation requirements, optimal layout, and minimal commissioning time. Industry leading in-house fabrication and manufacturing capabilities Industry-leading Barracuda volumetric feeders & conveyors Broadest bulk solids handling and chemical feed product offering In-house UL508A panel shop

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