

# SILO SYSTEMS

Reduce Operator Handling and Cost of Dry Materials



## Simply a better silo design.

VeloDyne's two-piece silo systems minimize installation time, reduce commissioning time and provide 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 feedback, 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 footprint.
- The lower equipment room section is shipped up-right, rather than on its 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 silos designed for field installation of equipment and controls are also available.

VELDYNE

*A company driven to deliver the very best Polymer Blending, Chemical Feed, and Bulk Solids Handling Systems, fueled by constantly asking, "What If?"*

# SILO SYSTEMS

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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.

*\*One-Piece and bolted silos are also available*



## 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

**VELDYNE**

VeloDyneSystems.com



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