

# SILO SYSTEMS

Reduce Operator Handling of Dry Materials



The VeloDyne Two-Piece Silo System is a unique product that eliminates quality control issues that are typically seen in most silo systems. VeloDyne provides the Silo in two sections as described below.

The lower equipment room is where all of the equipment is located. All equipment in the lower section is installed at our manufacturing facility. Here we can not only install the equipment, but we also operate the entire system as if it was already in the field. This ensures that startup will go smoothly.

The upper storage section will be shipped to the job site so the contractor can bolt it to the top of the lower equipment room. Each section has a junction box located at the bolting flange to allow the contractor to electrically connect the two pieces. This design offers the most efficient and cost effect installation and system commissioning process in the industry.

#### Key Features:

- Two-piece design
- The most efficient installation and commissioning method in the industry
- Save time and labor on installation and startup
- Various pump types, and models available
- Skirted 8', 10', 12' & 14' diameter available
- Concave mix tank for maximum equipment room space
- All piping and conduit located under floor or overhead for maximizing open area around equipment and to eliminate hazards
- PLC control systems
- Truck unloading panel
- Dust collection system
- Single level up to three level equipment rooms
- Field welded silos up to 36' available\*

*\*Single-piece silos available*



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

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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:

- Storage Silo (pre assembled two-piece design\*) – Sizes range from 8'-0" up to 14'-0" in diameter.
- Pneumatic silo fill pipe assembly with NEMA 4X operator station.
- Dust collection system (mounted on roof).
- 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.
- All required piping and valves.
- Equipment room ventilation fans, heaters and lighting.
- Optional insulation.
- Silo load cell System for inventory monitoring.
- Local control system with programmable logic controller (PLC) including pre-programmed system logic. All systems are completely tested with water for the engineer or customers viewing before leaving our facility. All of VeloDyne's control panels are UL or CUL listed.

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



## VELODYNE ADVANTAGES

- Over twenty-five years of silo design experience has refined our systems for optimal layout: conduit and plumbing is installed below the floor or overhead for maximizing open space around equipment and to reduce hazards; concave mix tanks to maximize available floor space; up to three levels of equipment rooms.
- Complete Testing: Each silo is hydraulically and electrically tested to job conditions prior to shipment.
- Our two-piece silo designs offer the most cost-effective and efficient system installation and commissioning, are shipped upright, minimizing damage during shipment, and allow for the entire chemical processing system and controls to be fully factory tested (and witnessed, if desired) before shipment.

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VeloDyneSystems.com



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