



BUCKET ELEVATOR

Durable & Efficient Material Lifting

Legacy

Sackett-Waconia began designing & manufacturing bucket elevators in the 1920's. Since their inception, the key to success has been simple, tough, designs that are purpose built for environments they serve. That quality is still alive today, but modern elevators are easier to maintain and operate, with safety as a standard feature.

Applications & Custom Designs

Sackett-Waconia bucket elevators are designed for high volume industrial applications, and engineered for the intended duty and environment. They handle materials from powder to granular, and can be found in process plants, fertilizer terminals, blending plants, and anywhere bulk materials are handled. Capacities range from 50tph to well over 1000tph.

We design and manufacture an extensive line of elevators, including belt and chain, centrifugal and continuous discharge, with bucket styles including CCHD, AA, AC, D, DH and super capacity. Our elevators typically feature nylon buckets, but can come with a range of materials such as polyethylene, urethane, or steel.

Efficiency & Quality

Sackett-Waconia's standard line of elevators feature heavy 304 stainless steel construction, properly sized pulleys, split bonnets, and Dodge drive components. Our elevators are designed for easy maintenance access with doors at key points and easy to reach grease fittings. Boots feature heavy plate construction with easy access clean-outs and stainless steel take ups.

Sackett-Waconia bucket elevators are vertically self-supporting and their simple design is meant for a long service life in any environment.

Safety

If there is one underlying principle to our engineering and fabrication, it's to NEVER compromise safety. All Sackett-Waconia equipment meets or exceeds OSHA regulations, and we will work with you to ensure any site or company specific requirements or concerns are met and addressed. Safety is a primary feature of every Sackett-Waconia System.



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Accessibility

Service/head platforms are standard on all Sackett-Waconia bucket elevators, with ladder and cage access. Optional stair access is available, but requires additional structure. Standard platforms are constructed of structural steel for safe, sturdy, access and feature FRP (fiberglass reinforced panel) decking to reduce weight and provide a stiffer walking surface with better traction. Accessibility options can be constructed of either painted carbon steel or 304 stainless as required.

Drive Options

Standard bucket elevators come standard with WEG motors, Dodge belt drive components, Dodge bearings and backstops, but we offer direct-coupled drives as an alternative. Upon request we can accommodate specific facility requirements or preferred manufacturers you may have.

Belts & Chains

Sackett-Waconia offers two styles of elevators, belt and chain, to suit project needs. Based on needs, elevators can operate in continuous or centrifugal fashions. Belt elevators feature multiply reinforced belting with pre-punched holes and external, grease packed take-ups. Chain elevators, most often found in process plants, feature internal automatic tensioning.

Clean-out and Access Panels

Elevators are designed for easy access with clean-outs in key positions such as bucket access near the ground. All access panels allow ample room for cleaning and we can include additional panels to any point you may request.



Stair Access



Ladder Access



Direct Drive



Belt Drive



Split Bonnets



Access Doors



Safety Switches



Bearings & Seals

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