Sanitary Vertical Belt Conveyors

Open Frame Tool-less Design

Innovative Staggered Sidewall Belts

Quick Belt Change

Fast and Effective Cleaning Capability

AquaPruf® VBT TECHNOLOGY

VERTICAL BELT TECHNOLOGY

Sanitary Vertical Belt Conveyors

for Elevating Bulk Products
AquaPruf Vertical Belt Technology is best for:
Elevating bulk product such as:
- Vegetables
- Fruits, Grains and Nuts
- Popcorn
- Pet Foods
- Pharmaceuticals
- Small packages

Industries:
- Food
- Pharmaceutical
- Chemical

Applications:
- Elevation for walk-thru
- Hopper feeding
- Weigh scale feeding
- General bulk handling
- Sanitary environments

Sizes

Lengths – Infeed and Exit
- Minimum length: 20 in
- Maximum length: 72 in
- Length increments: 1/8 in

Heights
- Minimum infeed TOB: 16 in
- Minimum outfeed TOB: 72 in
- Maximum outfeed TOB: 240 in
- Height increments: 1/8 in

Belt Width | Pocket Width | Full Pocket Capacity | ½ Full Pocket Capacity
---|---|---|---
12 | 6.3 | 0.022 | 0.011
14 | 8.3 | 0.029 | 0.014
16 | 10.3 | 0.036 | 0.018
18 | 12.3 | 0.043 | 0.022
20 | 14.3 | 0.051 | 0.025
22 | 16.3 | 0.058 | 0.029
24 | 18.3 | 0.065 | 0.033

Speeds

- Belt Speed up to 100 ft/min

Belting

- Solid Urethane Belting with 2 in pitch positive drive lugs
- 3.5 in Tall RF welded scoop cleat
- 3.5 in tall RF welded staggered sidewall
- Pocket Spacing
  - Minimum: 6 in
  - Maximum: 18 in
  - Spacing Increments: 2 in
- Modular Belt version also available. Contact factory for details.

Maximum Product Capacity

<table>
<thead>
<tr>
<th>Belt Width (in)</th>
<th>Pocket Width (in)</th>
<th>At 50 ft/min Belt Speed and 6 in Spacing:</th>
<th>At 100 ft/min Belt Speed and 6 in Spacing:</th>
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<tbody>
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<td>12</td>
<td>6.3</td>
<td>130</td>
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<tr>
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The Benefits of a Dorner AquaPruf Vertical Belt Technology

• **Innovative Offering**
  - Open frame design for quick cleaning and more effective product changeover
  - New, unique staggered sidewall belt improves pocket capacity
  - Quick belt change in approximately 20 minutes

• **Delivers Fast**
  - Dorner sets the industry standard for rapid delivery
  - Customizable product sizes available in 25 days or less

• **Industry Ready**
  - Designed and manufactured to food equipment standards
  - FDA Approved and USDA Certified Food Safe belt material
  - Motor located on main column outside of food drop zone

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Open Frame/Tool-Less Sanitary Design

- Continuous TIG welded 304 stainless steel frame
- #4 Polish on all surfaces
- Open frame and tool-less design for ease of cleaning
- Drive Gearmotor located on main column outside of food drop zone

Staggered Sidewall Belt

- Staggered Sidewall Belt provides 15% more pocket capacity than a traditional sidewall belt
- Self-Releasing Sidewall improves product release
- Consistent RF Bonded Staggered Sidewall with 80% less bond area
- Staggered Sidewalls can be individually and easily repaired if damaged
- Clean through Side Wall Design improves clean-ability and reduces cleaning time and water usage

Quick Belt Change

- Quick Change open frame design allows belt change in approximately 20 minutes
- Tool-less removal of idlers and belt supports
- Loose belt drops down main column
- No belt tensioning needed