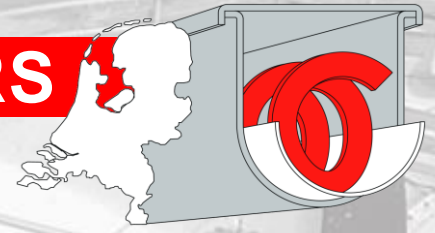
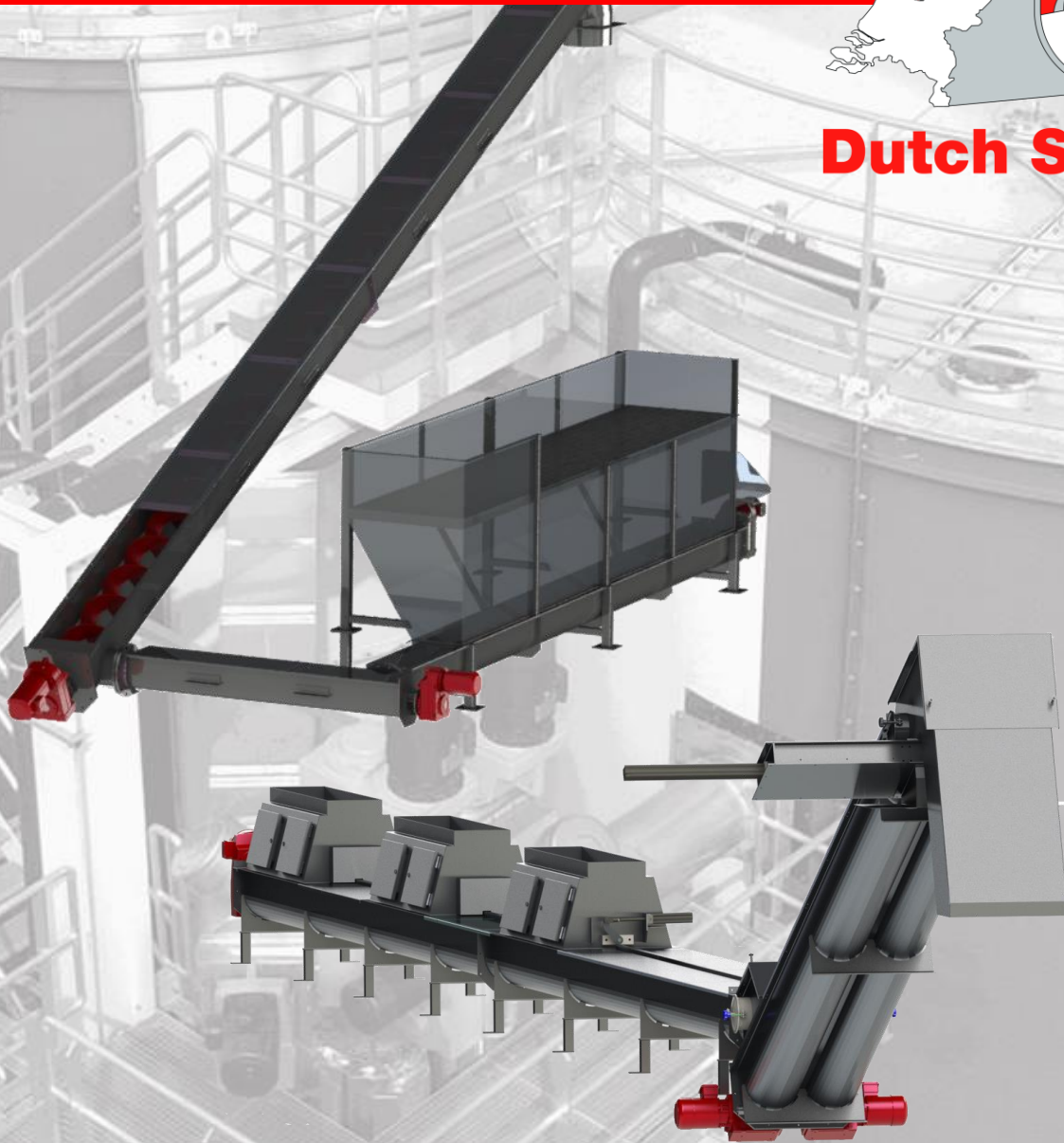


# SPIRAL CONVEYORS



**Dutch Spiral**



## BENEFITS

**SIMPLE AND ROBUST DESIGN**

**FULLY SEALED LIDS TO MINIMIZE ODOR**

**SPACE SAVING**

**SHAFTLESS SPIRAL PREVENTS MATERIAL BUILD UP**

**TRANSPORTS WET, STRINGY, STICKY MATERIALS**

**LOW OPERATING COSTS DUE TO DIRECT DRIVE WITH LOW POWER CONSUMPTION**

**LOW WEAR AND TEAR DUE TO LOW ROTATIONAL SPEED**

## DESCRIPTION

**Spiral conveyors** are developed and designed for efficient and effective transportation of a various of materials such as wet, stringy, sticky materials. The main advantage of implementing spiral conveyors is having **maximum reliability** and **minimal maintenance**.

Spirals have no shaft which **prevents material built up** and our fully sealed lids **minimize odor nuisance**. Rotations of the spiral are kept to a maximum of 30 rpm's which results into **low wear and tear due** to the rotational speed.

The shaftless spiral is **directly connected** to the gearbox. This gives great advantages because the spiral is the only moving part which is in contact with the material.

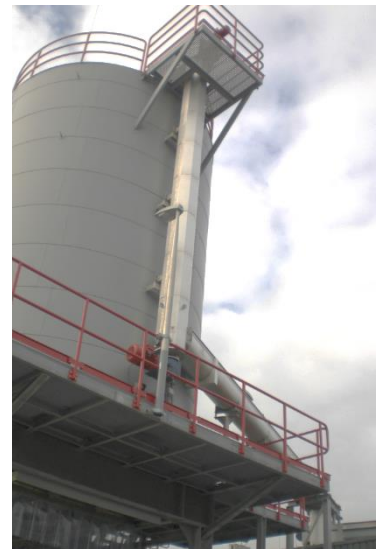


### Horizontal and inclined conveying

Dutch Spiral builds horizontal and inclined shaftless screw conveyors. Our inclined conveyors have a maximum inclination of 30 degrees. The design of transportation can be either **pushing or pulling** depending on the situation and the type of material.

### Vertical conveying

Vertical shaftless screw conveying is also within our program. Our vertical conveyors have a special design and are specially made for **inclinations of 30 till 90 degrees**.





## Trough Liners

The spirals weight is carried by lining which covers the inside of the troughs. Depending on the type of transported material Dutch Spiral has range of different types of liners. This range with **more than 15 different types** goes from Ultra High Molecular Polyethylene with **wear indication** until high performance wear resistant steal. Our **experts** can help you choosing the right material for the job.



## Sizing and materials

Next to our standard dimensions we operate within a range of over **800 different** diameters of spirals as well as their pitches. This helps us being flexible in making custom fits, but also in **replacing existing spare parts**. Our spirals are standard made of a **special steel**, but are also available in Stainless steel 304 and 316 variations.

Our troughs can be made out of Stainless steel 304 and 316, Carbon steel or Hot-Dipped Galvanized.

## Configurations

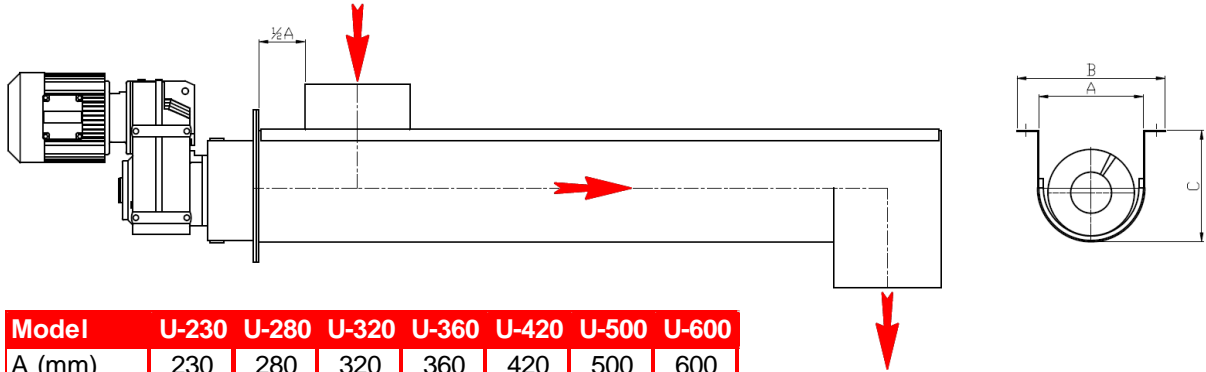
Next to our horizontal and vertical conveyors we produce the following products which are mostly equipped with our spirals as well.

- Live-Bottom Feeders
- Screenings Washers/Compactors
- Grit Washers / Classifiers
- Shaftless Screw Containers
- Discharge slide gates



## STANDARD SIZING AND TECHNICAL INFORMATION

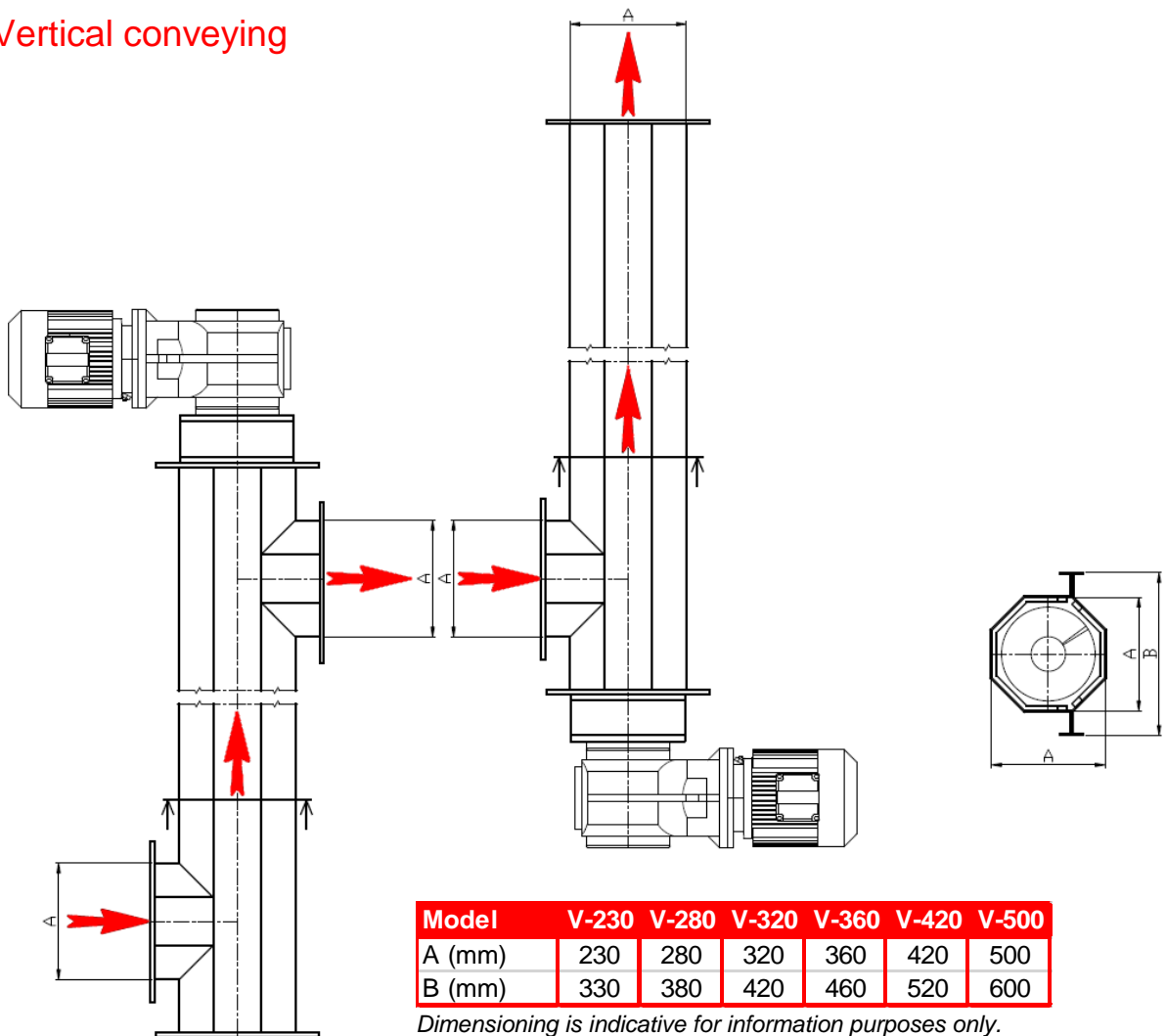
### Horizontal conveying



Model	U-230	U-280	U-320	U-360	U-420	U-500	U-600
A (mm)	230	280	320	360	420	500	600
B (mm)	326	376	416	456	516	596	696
C (mm)	245	318	340	380	430	530	610

Dimensioning is indicative for information purposes only.

### Vertical conveying



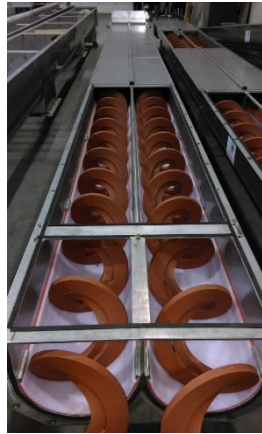
Model	V-230	V-280	V-320	V-360	V-420	V-500
A (mm)	230	280	320	360	420	500
B (mm)	330	380	420	460	520	600

Dimensioning is indicative for information purposes only.

## DUTCH SPIRAL

Dutch Spiral is a **family-owned** company located in the Netherlands. Our **key product** is the fabrication of **spirals and products in which they perform well**.

Dutch Spiral's strength lays in making custom fit, affordable, good quality products. If the standard size is not satisfying, our flexibility can help you out and can get you a **custom design**. Options are **unlimited** and our sales engineers and engineering department are used to making the right **creative solutions**.



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