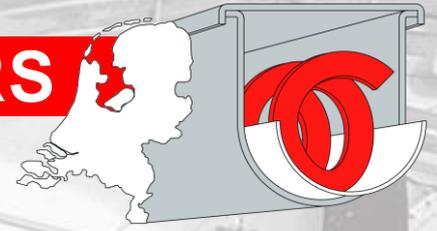
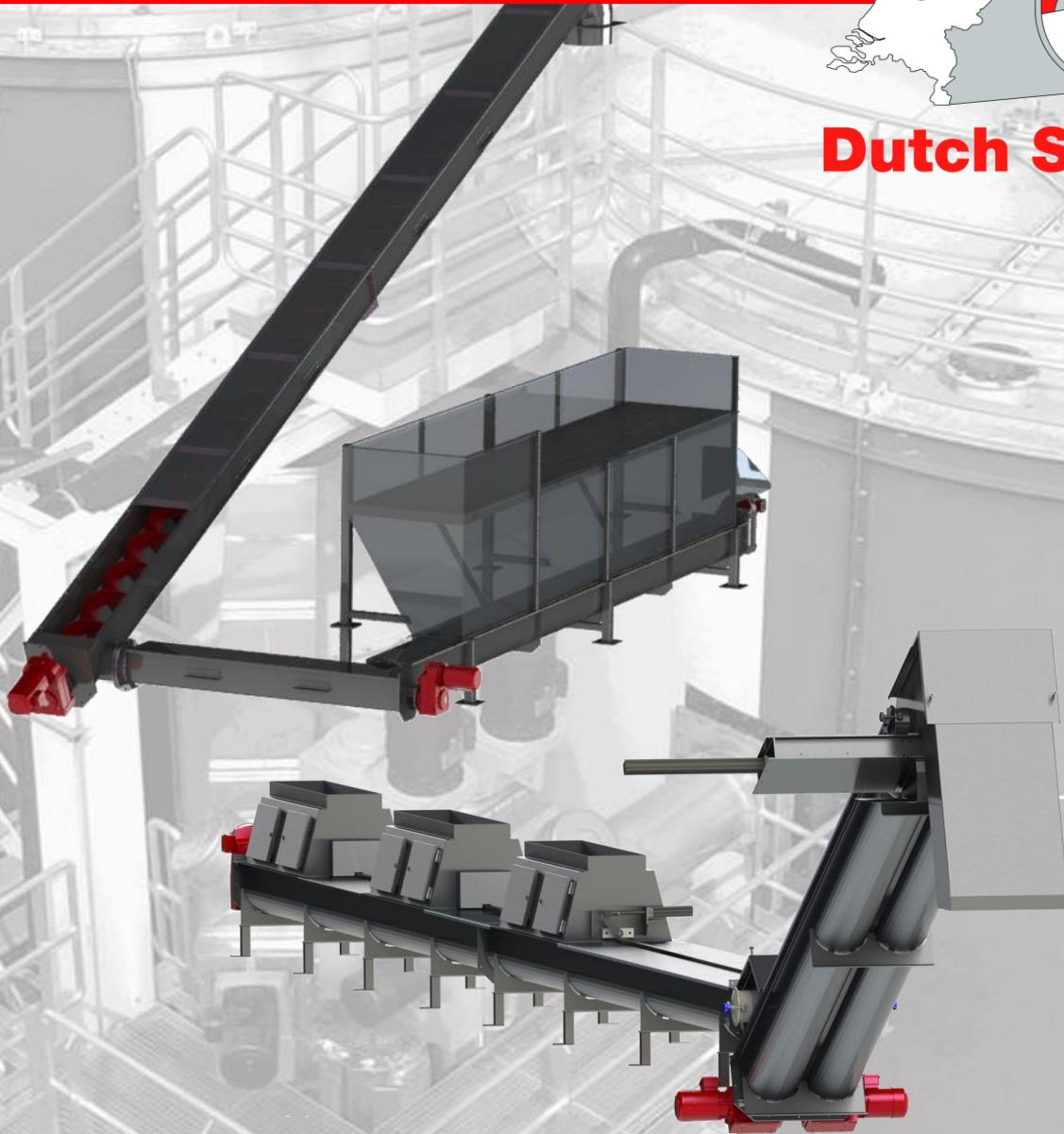


SPIRAL CONVEYORS



Dutch Spiral



BENEFITS

SIMPLE AND ROBUST DESIGN

FULLY SEALED LIDS TO MINIMIZE ODOUR

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 variety of materials such as wet, stringy or sticky materials. The main advantage of installing spiral conveyors is having **maximum reliability** and **minimal maintenance**.

Spirals have no shaft and this **prevents material built up**. Our fully sealed lids **minimize odour nuisance**. Rotations of the spiral are kept to a maximum of 30 rpm which results in **low wear and abrasion 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 to 90 degrees**.



Trough Liners

The spirals weight is carried by a 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 has **more than 15 different types** from Ultra High Molecular Polyethylene with **wear indication** to high performance wear resistant steel. Our **experts** can help you chose the right material for the job.



Sizing and materials

We have over **800 different** standard spirals changing the diameter and pitch to suit the application. This helps us to be flexible in making custom solutions, but also in **replacing existing spare parts**. Our standard spirals are made of a **special hard wearing 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.

Special Designs

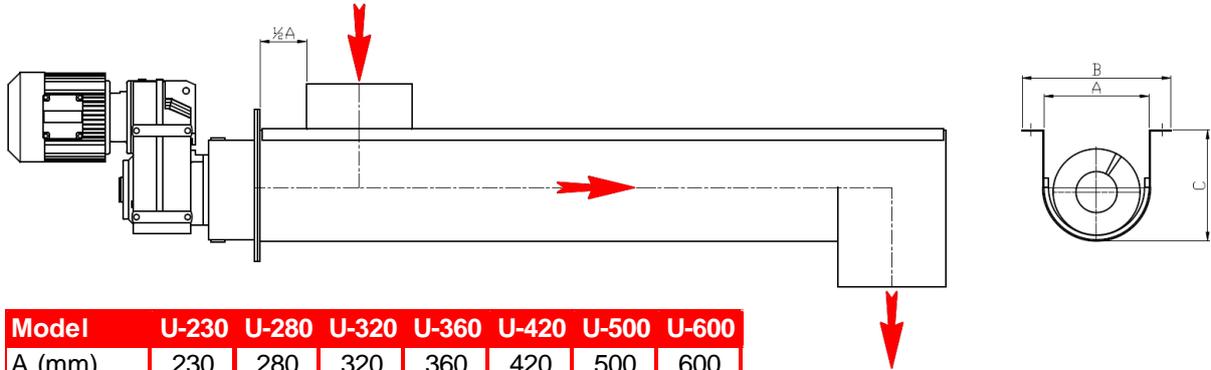
Next to our horizontal and vertical conveyors we also produce the following products which are generally-fitted with our spirals as well.

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



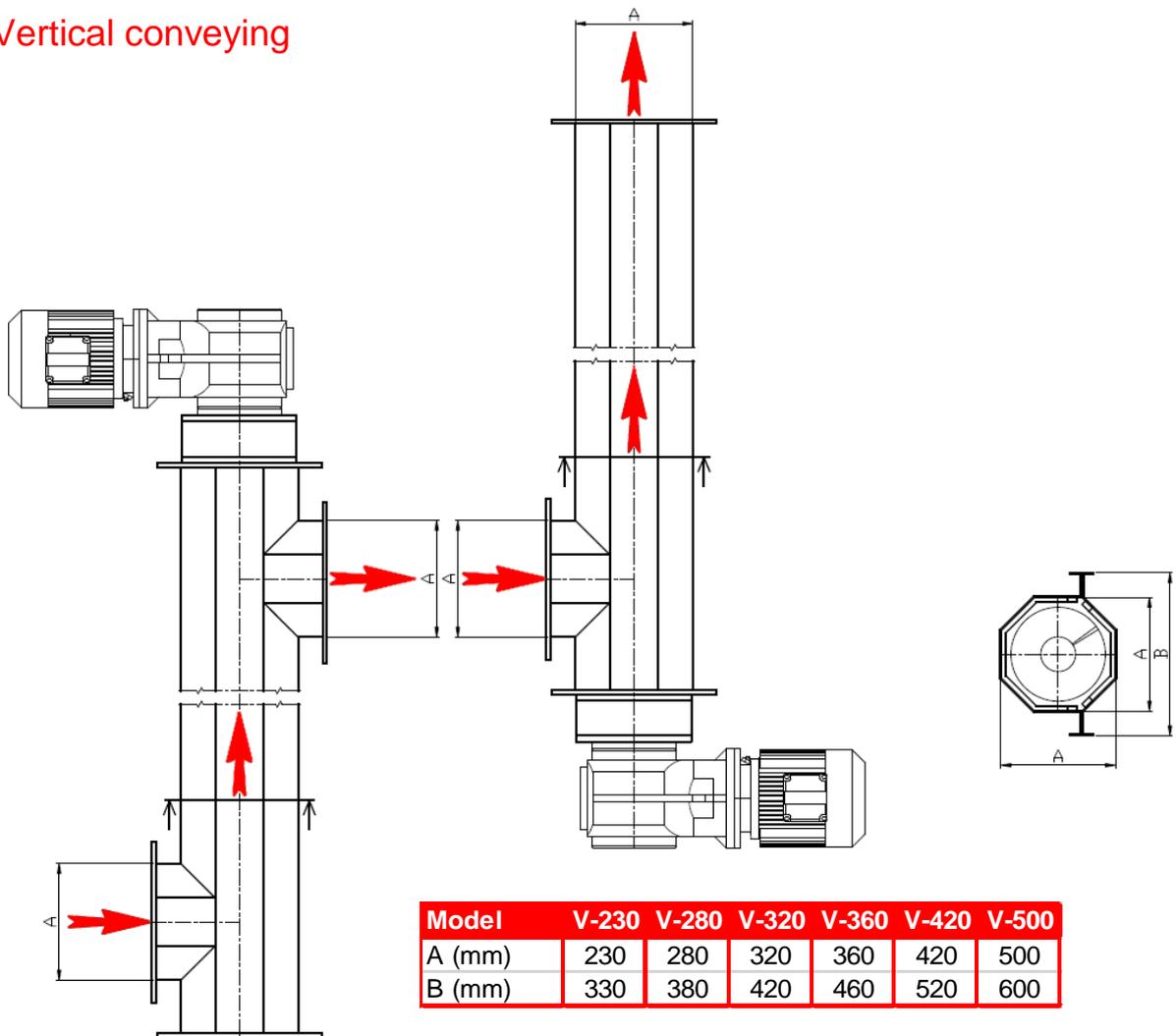
STANDARD SIZING AND TECHNICAL INFORMATION

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 |

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 |

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 customized, affordable, good quality products. If the standard size is not suitable, our flexibility can help you out and we can build 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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