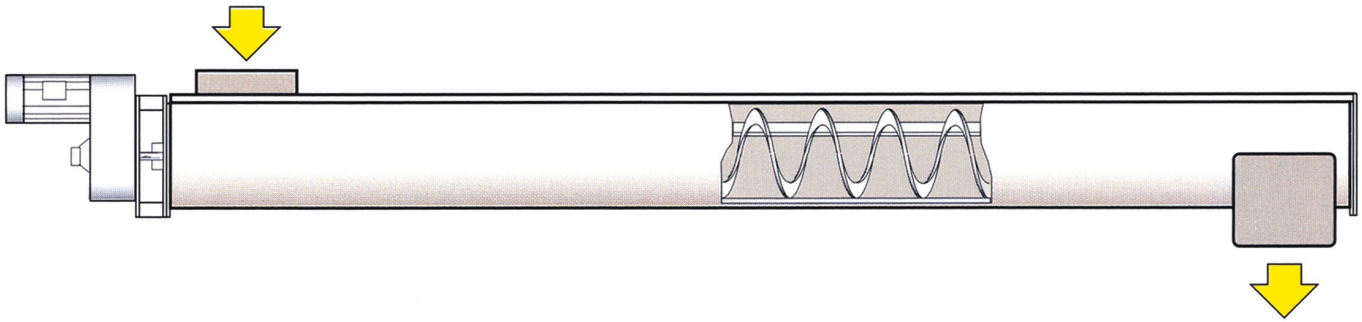




## Shaftless Screw Conveyors KD02



# Shaftless Screw Conveyors KD02



**Shaftless Screw Conveyors KD 02** are available in four sizes with capacities from 5 to 20 m<sup>3</sup> per hour. The conveyors are especially suited for products with a tendency towards tackiness and bridging e.g. sludge, damp sand and materials with heterogeneous grain sizes.

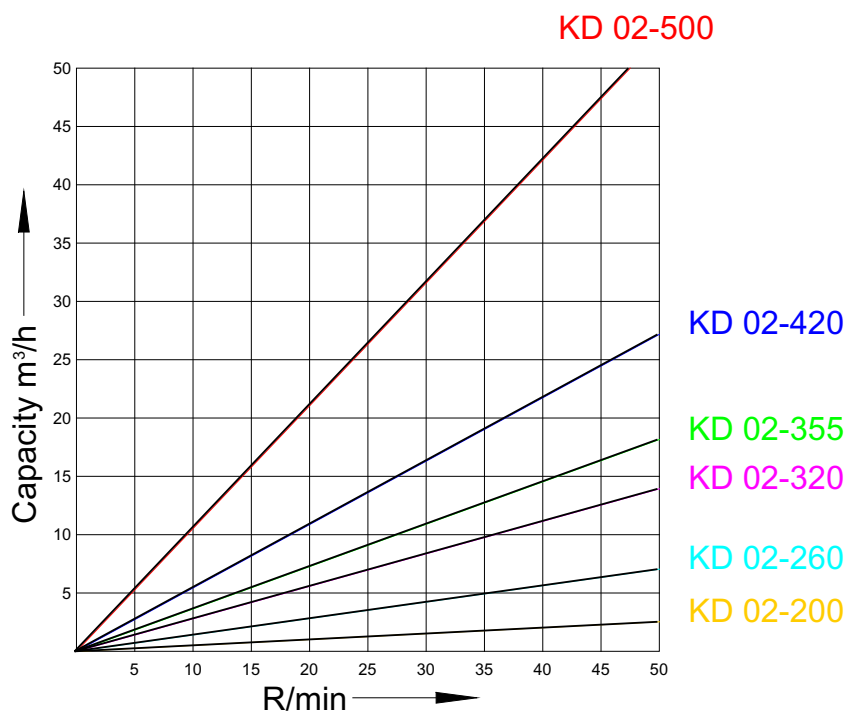
The conveyors are of robust and simple construction which means limited maintenance and low running costs. The conveyors are constructed in stainless steel and after machining completely pickled. Thus, an optimal durability of material is ensured.

Transportation takes place by a Shaftless Screw Conveyors which is embedded in a wear plate of plastic material. The screw is made of high-

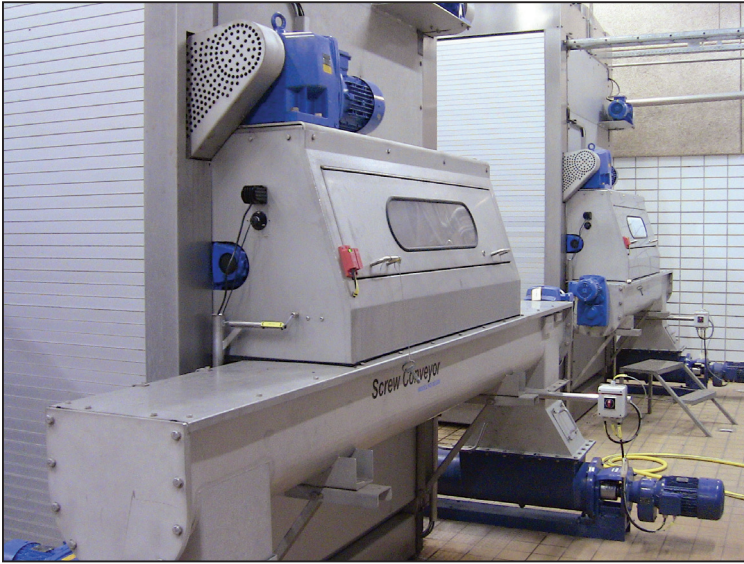
strength carbon steel with a stainless steel screw available as an option.

The standard Shaftless Screw Conveyors is suitable for an inclination up to approx. 30°. When a higher inclination, or higher capacity, is needed the conveyor can be supplied with a double screw. The double screw conveyor is also available for vertical transportation.

The conveyors can be supplied with a thrusting or pulling transportation where the motor is placed by respectively the inlet or the outlet. With the thrusting transportation coupling-up to, possibly, the next conveyor occurs from the axial outlet to the side inlet. Therefore the overall height is reduced considerably.







The Shaftless Screw Conveyors outlet can be equipped with a standard sliding gate model KD 04, which is specially designed for the conveyor. This sliding gate is available with electric or pneumatic operation, and is constructed in the same high quality as the conveyor.

The KD Shaftless Screw Conveyors is a standard product adapted to the customer's needs. Consequently, we only need information on a few parameters such as:

- required volume flow
- length
- inclination (if present)

Type	KD 02-200	KD 02-260	KD 02-320	KD 02-355	KD 02-420	KD 02-500
Capacity (m <sup>3</sup> /h)	Please see diagram for sludge capacity*					
Screw dia. (mm)	Ø160	Ø220	Ø280	Ø315	Ø380	Ø460
Pitch (mm)	165	220	280	315	375	460
Single spiral (mm)	40 x 15	50 x 20	60 x 20	60 x 20	60 x 25	80 x 25
Double spiral (mm)	40x15 / 20x10	50x20 / 30x10	60x20 / 40x10	60x20 / 40x10	60x25 / 40x15	80x25 / 50x15
<b>Specifications</b>						
Steelgrade, trough	EN 1.4301, dip-pickled					
Steelgrade, screw	St. 52.3 (stainless is optional)					
Gear make	NordGear					
Motor make	NordGear					
Wear liner	PEHD (alternatively PP)					

The conveyors has been developed according to the EU Machinery Directive.

\* A detailed calculation of capacity, speed and power is being made in each specific case. Low speed is given high priority because this will enhance product life time, reduce operating costs and reduce noise level.

