Screw Conveyor

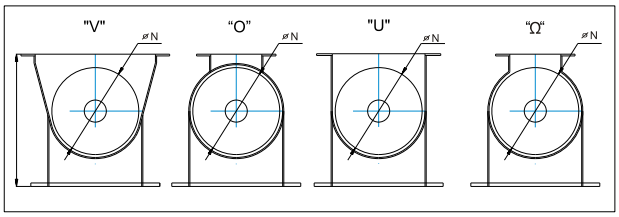
Pressure Filtration Technology

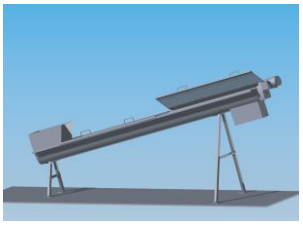
Conveyors are designed for transport of loose and watered materials. They function also in some applications the role as processing devices as mixers, devices for chilling, device for dewatering. We produce conveyors in design with and without shaft

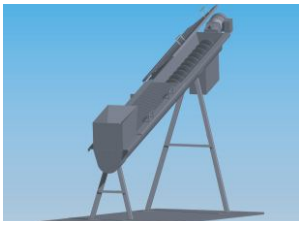
Working

Material is inserted into the loading basket and from here is getting through into the working area of conveyor. Streamer of the screw transports material for L distance into the drop nozzle

Section of screw conveyor



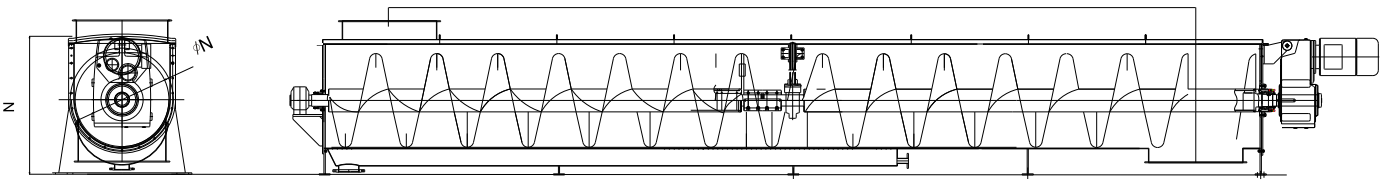


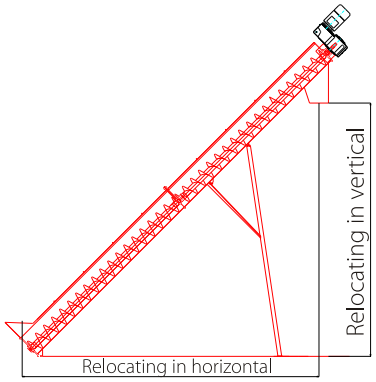


Conveyor design

- Material of body (manger): stainless or carbon steel
- Shape of body (manger): "O" - pipe, "U" - chute, "Ω" - Omega, "V" - the body is fabricated with sliding insert for the screw without shaft
- Working screw: with or without shaft
- Screw material: stainless or carbon steel
- Cover material: stainless or carbon steel
- Drive - geared motor

Dimensions of loading baskets, props dimensions are designed individual to installation requirements and buildings conditions. Drive location of conveyor to determining at the order. Conveyor can be equipped with steering making possible interaction with device in production line e.g. with rotary filter, press or with other conveyor. Conveyors fabrication according to Machine Directive 98/37.





N	L	Power of drive kW	A	N	L	Power of drive kW	A
80	MAX 13000	Up to 45° Max working angle 0-55 - 4,0	100	400	MAX 20 000	Up to 45° Max working angle 1,1-55	450
120			150	500			550
160			200	600			680
200			250	700			780
250			300	800			880
300			350	1000			1100
350			400	1200			1300

Table 1. Basic dimensions for manger section "U"

We kindly ask for possible detailed and readable fill with print of fields in the following form. Obtained information will allow us to realize the inquiry/order precisely as soon as possible.

INQUIRY/ ORDER

Screw conveyor

Please e-mail or fax to:
liskewr@pftechnology.eu
Fax: +48 48 618-20-82

Subject: ..... **Date:** .....

Contact data

Company: .....

Technical Person: ..... **Trading Person:** .....

Address/Street: ..... **Zip code:** ..... **City / Country:** .....

Tel/Fax: ..... **E-mail / Website:** .....

Basic information

Screw design: ☐ with shaft ☐ without shaft

Shaft rotation: ☐ one-way ☐ two-way

body (manger) shape:** ☐ "O" ☐ "U" ☐ "Ω" ☐ "V" - without shaft

Screw construction: ☐ horizontal ☐ diagonally

continuous work of conveyor: ☐ 8 hours ☐ 12 hours ☐ 24 hours

Medium parameters and design data

Conveyed material: .....

Pouring density: .....

Transport height in vertical: .....

Transport distance in horizontal: .....

Distance between axes of loading basket and drop nozzle ("L"): .....

Loading method : ☐ from device ☐ manual

material reception ☐ free drop ☐ for other conveyor

dust resistant design: ☐ Yes ☐ No

Supportin bearing: ☐ Yes, acceptable (type ?) ☐ nonacceptable .....

Pressure jacket fo manger: ☐ Yes, what heating/chilling medium ? ☐ No .....

Problem's description / Additional information

Constructional and exploitation requirements

Equipment for cleaning and service: ☐ Yes ☐ No

Body (manger): ☐ Carbon steel ☐ stainless steel ☐ Other .....

Streamer material: ☐ Carbon steel ☐ stainless steel ☐ Other .....

Date / authorized person's signature / company's stamp

*I agree to teleaddress data processing for marketing and trading purposes.
** Drawings of screw conveyor section on the reverse

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