

Flexible Screw Conveyor



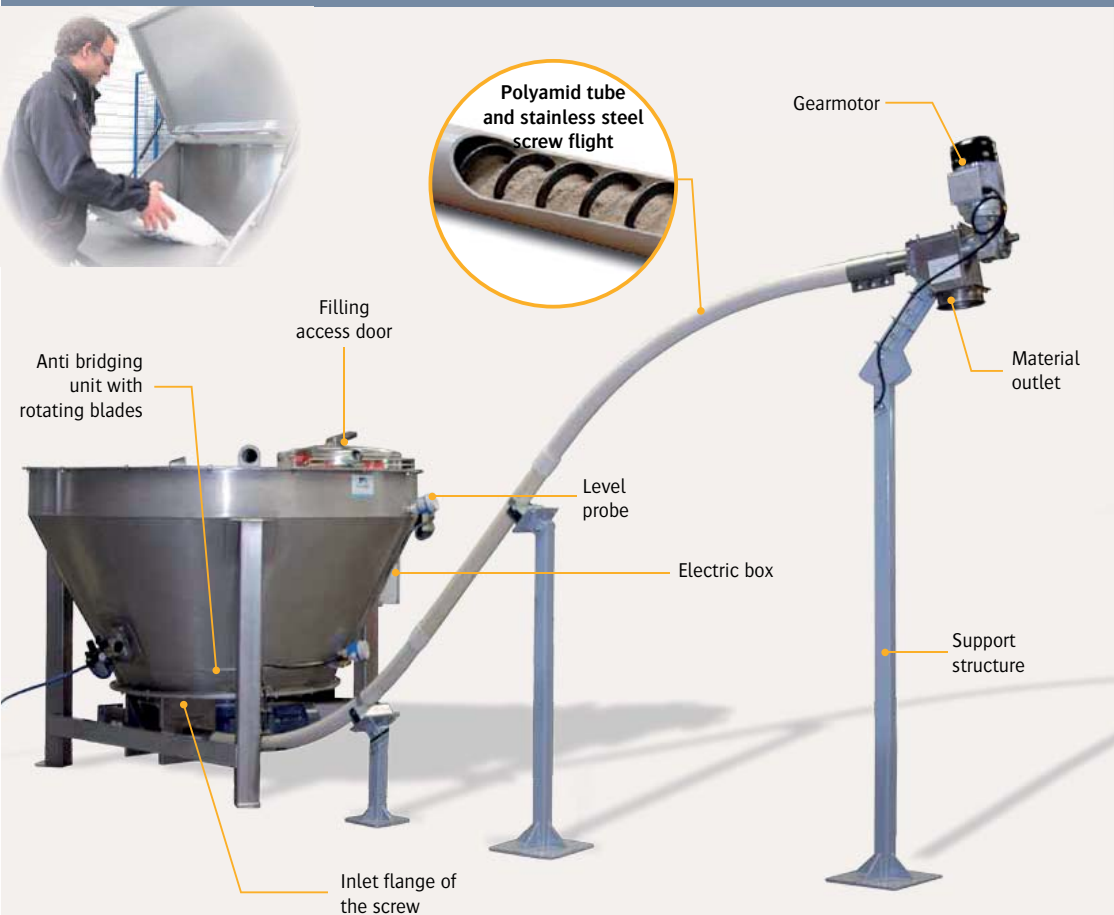
MECHANICAL FLEXIBLE SCREW TO AVOID OBSTACLES

The flexible screw is used to carry powders, granules or pellets. The compatibility of materials conveyed must be validated by PALAMATIC PROCESS. By their mode of operation and design, these screws impose specific implementation recommendations. The advantages of the flexible screw are its compact size and its flexibility of installation.

! Because of the high rotational speeds (of about 900 rpm), this type of screw can not convey fragile products and cannot be operated if it is empty.

TECHNICAL SPECIFICATIONS

Manufacturing: screw in stainless steel and tube in polyamid
Conveying rate: 100 to 7,000 liters/h.
Slope: 0 to 6 meters
Offset: 1 to 20 meters
Conveying tube: Ø 37 to 90
Engine: 220/400V three-phase



▶ **Tube manufactured in semi-rigid polyamid** with excellent abrasion resistance, vibration absorption and certified for food products.



▶ **Flexibility of the conveyor** which goes around above, below or laterally any machine already in place.



▶ **Protection against environmental moisture:** ideal for dehydrated or dried products.



▶ **Easy maintenance** to remove residual material from the conveyor by rotating the device in the other direction.

Advantages



RANGE OF FLEXIBLE SCREW CONVEYORS

Model	Capacity kg/h.	Minimum bending radius in meters*	Tube: internal Ø x external Ø
37	100	2	37 x 43
44	400	2.5	44 x 51
55	800	3	55 x 63
67	2,000	4	67 x 80
80	5,000	5.5	80 x 90
90	7,000	7	90 x 100

Note: the obtained rates depend on the density and characteristics of the product as well as the length and elevation of the screw.
 * The specificities of setting up and screws curves must be validated by the PALAMATIC PROCESS engineering design office.

[+] Note

On configurations with long lengths of screws, a siding must be provided at the bottom of the screw to allow the loosening of the screw.

