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FLEXIBLE SPIRAL CONVEYORS TYPE SR AND FR

The TransiTec flexible spiral conveyor can be used for the conveyance of all kinds of bulk materials, granulates as well as powders, and can be applied to many industrial fields.

Benefits of flexible spiral conveyor:

- Noiseless and dustfree operation
- Low energy demand
- Easy installation and shortening of conveyor
- Conveyance of mixtures of several components without any segregation
- Vertical conveyance thanks to integrated centre core
- Maintenance-free
- Output up to 20 m³/h, dependent on material characteristics
- Range of application: plast processing, foodstuffs, chemical and pharmaceutical industries



Type FR with intake to be flanged under hopper, silo



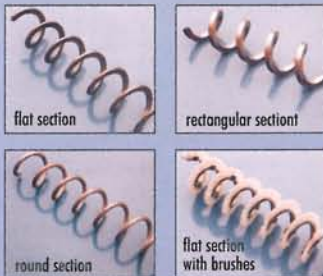
Type SR with intake to be put from above directly into material



For different output ranges from 0,1 up to 20 m³/h and different materials, 6 several types are available, which are different in outer tube's and spiral's diameters.

Dependent on kind, size, and flowing characteristics of material to be conveyed, spirals with round, rectangular or flat section are used. A flat spiral equipped with brushes is specially developed for conveyance of adhesive materials, e.g. titanium-dioxide or iron-oxide.

The maximum conveying length of 1 conveyor is 30 meters, dependent on material characteristics, of course. For longer distances several conveyors can be used, the material comes cascade-like from outlet of one conveyor into intake of next conveyor. Conveyors with intermediate intakes and outlets are available, too.



For bridging and poor flowing materials, TransiTec offers special hoppers with discharge support, also available as sack emptying device with integrated filter for dusty products.

Type FR with intake to be flanged under

The spiral conveyor type FR is equipped with a round intake which can be flanged under hopper, silo etc. by clamping ring.

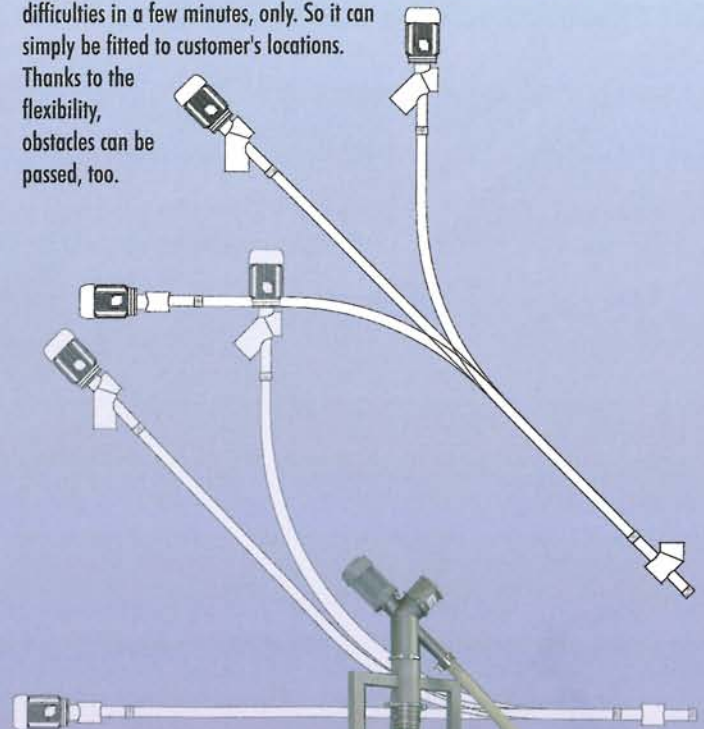
Of course, also intakes with special design according to customer's demand for existing hoppers or silos can be delivered.



Flexible spiral conveyor type FR and SR

The flexible spiral conveyor can be used in many industrial fields for conveyance of bulk materials either in granulate or in powder form. A flexible spiral, made from mild steel or from stainless steel alternatively, driven by a three-phase-motor, transports the material through a flexible polyamide tube from conveyor's intake to the outlet. The spiral conveyor is simply to install, also shortening of conveyor is possible without any difficulties in a few minutes, only. So it can simply be fitted to customer's locations.

Thanks to the flexibility, obstacles can be passed, too.



Type SR with intake to be put directly into material

The spiral conveyor type SR is equipped with a special intake for conveyance from a drum, barrel etc. This type should not be used for materials with poor flowing characteristics, but for good flowing products only



Type	∅ conveying tube in mm	Minimum radius in mm	Motor 400 V 50 Hz	Maximum output (dependent on material and bulk density)	
				Type SR	Type FR
30	34/42	1500	0,37 - 0,75 kW	0,2 m ³ /h	0,3 m ³ /h
40	44/51	1500	0,75 - 1,1 kW	0,4 m ³ /h	0,6 m ³ /h
50	55/63	1800	1,1 - 1,5 kW	1,5 m ³ /h	2,5 m ³ /h
70	70/80	2300	1,5 - 2,2 kW	3,5 m ³ /h	5,0 m ³ /h
80	80/90	2500	2,2 - 3 kW	4,5 m ³ /h	8,0 m ³ /h
100	100/110	3500	2,2 - 4 kW	12,0 m ³ /h	20,0 m ³ /h

You'll find more information about special equipment and actual projects on our website under <http://www.transitec.de>



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