Compacting Power Screws CPS, SKP



Compacting and discharge of fine dust
and short fibers

Functional Description

The separated material is captured by a horizontal screw and discharged through the outlet to the front. Optionally the supply can be supported by a agitator which prevents solid bridges. Material compaction takes place, depending on the chosen discharge unit, by means of spring leaf or flap with spring tension. The screw is driven by a special helical gear motor. Compaction takes place through the discharge material itself.

Compacting Power Screw

The Compacting Power Screw is used as discharge unit for dust and fibers in combination with separators such as cyclones, dust separators, jet filters, hose filter systems and fine filter systems. It permits the removal of fine dust and material with short fibers without letting those substances contaminate the surrounding area.

Advantages

- Large material flow capacity
- Robust industrial model
- Dust-free material discharge with compaction ratio of about 5:1
- Continuous operation
- No pressure fluxion in the system
- For adhesive dust with integrated stirring unit

Application in various industrial sectors

- Bulk goods/powder technology
- Textile industry
- Chemical industry
- Non-woven-industry
- Wood industry
- Fibrous/insulate technical industry

- FORM_RR-USA_DataCollection.pdf (245.2 KiB)
- rr_bethfiltration_compacting_power_screws_cps_skp.pdf (387.9 KiB)
- R+R_BETH-Filtration_TEXTILE.pdf (3.9 MiB)