

VACUUM SOLIDS CONVEY PUMP

Turn Tough Solid & Slurry Conveying Problems into Efficient Operation

Vacuum solids convey pump is a kind of high load strong suction conveyor, also known as negative pressure solid conveyor or vacuum slurry pump.

Equipped with efficient venturi device under the action of strong turbulence which can produce high vacuum suction.

It can transport efficiently pure solid materials (sand, gravel, etc.) and other high density, high viscosity materials. Unique design allows it to work in most tough environment, with low maintenance rate.

No wear and tear parts, low maintenance cost. Compact structure, easy to transport and install.



KEY FEATURES & TECHNOLOGIES

Powerful Vacuum Suction

25"Hg vacuum degree, sucks 50mm+/75mm+ solid slurry from 50m away and conveys up to 1000m long distance stably.

Wide Material Adaptability

Freely conveys liquid, solid-liquid mix, powder and full solid materials.

Full Pneumatic Drive

100% air-operated, safe for IECEx explosion-proof hazardous areas.

Strict Standard Conformity

Complies with EU explosion-proof, mechanical and pressure vessel directives.

Wear-Resistant Structure

Zero wearing parts, greatly reduce maintenance and replacement costs.

Compact Integrated Design

Easy transportation and quick on-site installation.

VACUUM SOLIDS CONVEY PUMP TECHNICAL SPECIFICATIONS

Model	HYBZVP-40	HYBZVP-20
Max Capacity	40m³/h	20m³/h
Inlet/Outlet Size	4 "(114mm)	3 "(89mm)
Vacuum Degree	0.085MPa/0.87kgf/cm²	
Max Suction Distance	50m	
Max Discharge Distance	1000m	500m
Max Solids Content	100%	
Max Solids Size	75mm	50mm
Pressure Request	0.55MPa-0.78MPa(5.6-8.0kgf/cm²)	0.55MPa-0.69MPa(5.6-7.0kgf/cm²)
Air Demand	17m³/min	8m³/min
Overall Dimensions	1578×1440×2030mm	1200×800×1470mm
Weight	1200kg	480kg