

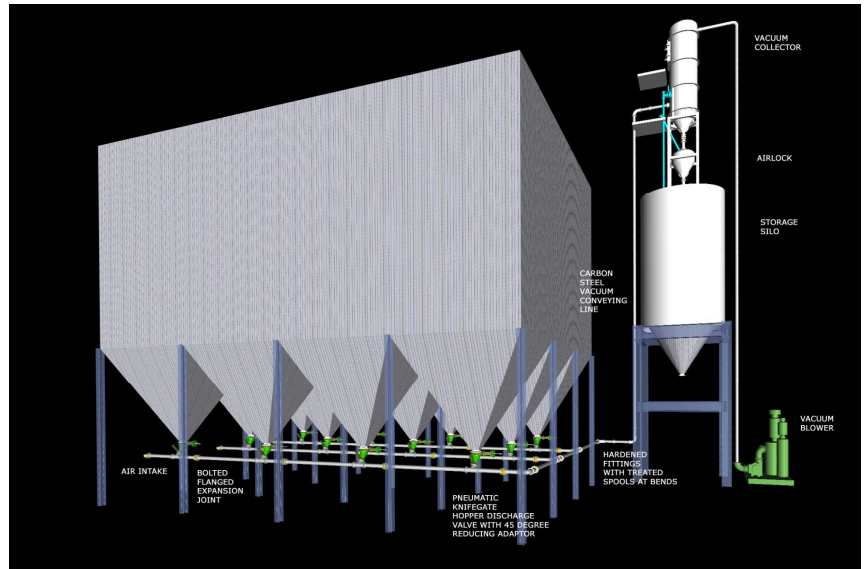


LB Industrial Systems^{L.L.C}

Vacuum Conveying

Vacuum conveying is used when pressure conveying is otherwise not feasible. Uses can include but are not limited to emptying hoppers, emptying railcars, and large storage systems. LBIS vacuum conveying systems have performed at over 100 tons per hour material collection. LBIS vacuum conveying systems are custom designed for customer's specific needs to deliver an optimized system in conveying properties and cost and power consumption.

Vacuum systems can be for short and long distances. Vacuum systems pull from the source of material and convey to a final end point where the conveying air is filtered from the material. The material can be discharged into a pressure conveying line for a next push or directly into storage. A vacuum system is limited by the limit of full vacuum. Due to the narrow pressure band allowed due to vacuum limitations, vacuum conveying tends to be dilute phase and travel at high velocities. Careful design of transfer lines by experts is required to optimize system longevity.



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