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Bulk Material Handling Systems Comparison

Product Comparison Chart

PRODUCT COMPARISON - EDUCTOR / TMC / PRODUCT PUMP / DILUTE PHASE / DENSE PHASE											
	APPROX. PRICE	CONVEY DISTANCE	CAPACITY	SELF LIMITING IN CAPACITY	ABRASIVE RESIST. FAB.	CLEAN - ABILITY	EASE OF MAINT.	MATERIAL LIMITATION	MAX. CONVEY TEMP.	SERVICE RUN-TIME	DUST COLLECT. REQ'D
Eductor	9K w/ Filter (add 1K - 3K for power unit if req'd)	<300 ft.	<6000 lbs./hr.	Yes	Yes, Abrasion res. Steel, Ceramic Lined Diffuser	Loosen three set screws, pull jet nozzle out	No moving parts	Hygroscopic	500 F	Continuous 24 hr./day	Yes
TMC	18K (3" size, 30' straight line)	<60 ft.	<20,000 lbs./hr.	Yes, w/ inlet baffle	No	Water purge coupling and drain: +\$280 / Air purging system for top: +\$240	Motor, sprockets, drive components ropes/discs	Very Abrasive	140 F	Intermittant	No
Prod. Pump	19K w/ Filter	200 - 600 ft.	<15,000 lbs./hr.	N/A	Yes, Abrasion res. Steel, Ceramic Elbows	Cleaning access head, sanitary butterfly valve, approx.: +\$1,600	Butterfly valves, solenoids, ball check valve	None	250 F	Intermittant	Yes
Dilute Phase Systems	25K and Higher	Positive Pressure to 750 ft.	<100,000 lbs./hr.	N/A	Yes, Abrasion res. Steel, Ceramic Elbows	Special Cleaning access accessories required	Rotary valves, PD blowers, motor, sprockets, drive components.	Very Abrasive	1000 F	Continuous 24 hr./day	Yes
Dense Phase Systems	35K and Higher	100 - 8000 ft.	<200,000 lbs./hr.	N/A	Yes, Abrasion res. Steel, Ceramic Elbows	Special Cleaning access accessories required	Butterfly valves, solenoids, ball check valve	Material that packs or large particle sizes	1000 F	Continuous 24 hr./day	Yes