



White Paper

Piston and Piston Diaphragm Pumps for Long-Distance Hydraulic Conveying

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For the hydraulic long-distance conveyance of solids, principally piston and piston diaphragm pumps are employed. The selection criteria for the economic employment of piston and piston diaphragm pumps are essentially the abrasiveness of the solids, the conveying pressure and the solids particle grain size.

In order to achieve a disturbance-free flow, maximum operating safety and minimum operating costs, the three above mentioned criteria must be investigated as thoroughly as possible.

Due to the high margin of investment between the various pump types, it is recommended in particular when planning a solids pipeline, to establish a close cooperation between the processing engineers and the pump experts.