

FAQs

Q: Why a plunger pump?

A: When the application requires a suction lift or moving heavy sludges that involve head requirements that can bog down other types of sludge handling pumps.

Q: Can the pump handle a suction- ft?

A: Plunger pumps are self-priming pumps and can reprime a suction line up to 15 ft and pull suction lifts up to 20 ft but these numbers are based on water and the pump located very close to the source. (Note: The higher the sludge concentrations the lower the suction lift capabilities.)

Q: Why is the flow rate unaffected by the system head?

A: A plunger pump is a positive displacement pump and its performance curve is a nearly vertical line. When a plunger pump is set to do 100 GPM, it will try to do that flow rate whether it is pumping against 10 ft of head or 300 ft of head. Only the horsepower will vary.

Q: Does your “Leak Free” packing really work?

A: K-S has put many engineering hours into its patented packing design, which involves stabilizing the plunger to move in only the vertical direction. This, in turn, allows for better sealing of the packing against the plunger.

Q: We have noticed marked reduction in the leakage associated with plunger pumps and for extended periods of time.

A: Grit is still the biggest problem to the life of the packing and the plunger but this can usually be overcome by enhancing the materials of construction to more abrasion resistant materials such as ceramic or tungsten carbide coating plungers.