

RANGER, INC.
PUMP APPLICATION SHEET

Company Name: _____ Contact Name: _____

Telephone Number: _____ Email Address: _____

(1) Name of product being pumped: _____

(2) Viscosity: _____ SSU@ _____ °F; or _____ Centistokes @ _____ °F.

(3) Product Pumping Temperature: Minimum _____ °F, Maximum _____ °F.

(4) Size of Solids & Description: _____

(5) Rate liquid abrasiveness: ____ (1) None ____ (2) Light ____ (3) Medium ____ (4) Heavy

(6) GPM required: _____ Suction pipe size: _____ Discharge pipe size: _____

(7) System pressure: _____ * If pressure is unknown go to question 8. If pressure known skip question 8.

(8) Max vertical suction lift: _____ Total suction pipe length: _____

Any valves or fittings: _____

Max vertical discharge head: _____ Total discharge pipe length: _____

Any valves or fittings: _____

(9) What type of shafts required: _____ Carbon Steel _____ Stainless Steel

(10) What type of bushings required: _____ Bronze _____ Carbon _____ Iron
_____ TFE/Carbon

(11) Continuous Service: _____ YES _____ NO
If intermittent, how often is pump started: _____ Hours of service per day: _____

(12) Sealing: ____ Mechanical Seal ____ Packing ____ Lip Seal

(13) Ports: ____ Flanged ____ Tapped ____ Size

(14) Electric Motor Power: _____ Phase _____ Cycle
_____ Voltage
_____ HP (If Known)

(15) Motor Enclosure:
_____ ODP
_____ TEFC
_____ EXPF

You should have a minimum of 7.5 PSI of atmospheric pressure available at INLET of pump. The system should be designed so that the inlet pressure drop (combining static lift and pipe friction) should not exceed 7.5 PSI at sea level. The best condition would be a short inlet line with a flooded suction.

Ranger pumps should **NEVER** exceed 125 PSI pressure on the discharge line.

Final flow and pressure requirements must be determined by the user.