

# Pump Application Datasheet



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Name: \_\_\_\_\_

Title: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email: \_\_\_\_\_

## FLUID DATA

Fluid to be Pumped: \_\_\_\_\_

Capacity (Flow and Units): \_\_\_\_\_

Suction (Head) or (Lift): \_\_\_\_\_

Discharge Pressure (Head): \_\_\_\_\_

*\*See page 2*

NPSHa: \_\_\_\_\_

TDH: \_\_\_\_\_

NPSHa is *Net Positive Suction Head at pumping temp*

TDH is *discharge head minus suction head or plus suction lift plus friction losses*

Temperature of Fluid: Units: \_\_\_\_\_ Max: \_\_\_\_\_ Norm: \_\_\_\_\_ Min: \_\_\_\_\_ Environment Temperature: \_\_\_\_\_

Solids in suspension (if any), please state types: \_\_\_\_\_

Largest Particle Size: \_\_\_\_\_ Average Particle Size: \_\_\_\_\_ Quantity of Solids: \_\_\_\_\_ Abrasive (Y/N): \_\_\_\_\_

Viscosity of Fluid: Units: \_\_\_\_\_ Max: \_\_\_\_\_ Norm: \_\_\_\_\_ Min: \_\_\_\_\_

SG (at Startup): \_\_\_\_\_ SG (at operating temp): \_\_\_\_\_

## PUMP DATA/MATERIALS

Tag#: \_\_\_\_\_

Preferred Materials (Metals, plastics, etc...) \_\_\_\_\_

Seal less or Mechanical Seal: \_\_\_\_\_

Preferred End Connections (NPT or Flanged): \_\_\_\_\_

Existing/Preferred Inlet Pipe Size: \_\_\_\_\_

Static Line Pressure: \_\_\_\_\_

API Pipe Plan for Mechanical Seal (If required): \_\_\_\_\_

Lined (Y/N) (Material) : \_\_\_\_\_

Style of pump: \_\_\_\_\_

Existing/Preferred Outlet Pipe Size: \_\_\_\_\_

*Ex. Horizontal, vertical, split-case, etc...*

## MOTOR DATA

Power (Voltage/Phase/Cycle): \_\_\_\_\_

VFD (Y/N): \_\_\_\_\_

Soft Starter (Y/N): \_\_\_\_\_

Harardous Area (Y/N): \_\_\_\_\_ Area Classification: \_\_\_\_\_

Air Pressure and Flowrate (for Air Operated): \_\_\_\_\_

IP Rating (Washdown, etc...): \_\_\_\_\_

Duty Cycle (Run time per day): \_\_\_\_\_

\*\*\*Please note QTY of valves, fittings, pipe T's, and bends

## NOTES

## System Sketch

### EXAMPLE SUCTION HEAD AND LIFT SKETCHES

