Pump Selection Worksheet

General Information---

Customer

Plant Location

Equipment no.

Application

Type of liquid
Density:
Viscosity:
Temperature
concentration

pH of Liquid

Flow: m3h (or tons/hour)

TDH (if known)

Head / m or pressure Bar

Complete this Information to determine TDH (Total Dynamic Head).

Discharge head – Suction head + Velocity head = TDH

Suction Pipe Information--

Suction Pipe Inside Diameter:	Number of Valves:	Number of Bends:
Length of Pipe:	Type of Pipe:	

□ Positive Suction or □ Negative Suction

Static Head Water Level to Pump Centerline (m): ____

Discharge Pipe Information---

Suction Pipe Inside Diameter: Number of Valves: Number of Bends:

Other in-line restrictions, e.g. Filter / Heat exchanger = Pressure loss in Bar / m:

Vertical (Static) Head / m: Length of Pipe: Type of Pipe:

Pressure required at Discharge or Open Discharge:

Power Supply---

☐ Electric or ☐ Diesel
☐ Direct or ☐ V-Belt Driven

If system has varying applications or side outlets (e.g. Spray-lines), please advise and give sketch.

Motor	Comments
What type enclosure? ____________________	____
What phase/hertz/voltage? ________________	____
What rpm speed? _______________________	____
What elevation? ________________________	____
Is variable speed required? ☐ Yes ☐ No	____
If yes, what is the variable frequency? ______	____

Other special requirements? _______________ ____

____ ____

____ ____

____ ____

Other Information

Will this pump replace an existing pump? ____

☐ Yes ☐ No ____

Manufacturer?____________________________ ____

Size / Frame? ______________________________ ____

Motor kW? _______________________________ ____

Motor rpm? ______________________________ ____

Pump rpm speed?__________________________ ____

Discharge position? _______________________ ____

Impeller diameter? _____________☐ in. ☐ mm ____

Describe Operational Problems / Sketch Requirements:

Your Name: ____________________________

Date: __________________________________