

From:

Date:

Pump selection procedure

### **Metering pumps**

1. Pumping volume required: minimum and maximum rate per hour: \_\_\_\_\_
2. Materials required, if known:
  - a. Wetted end: \_\_\_\_\_
  - b. Diaphragm: \_\_\_\_\_
  - c. Valve balls: \_\_\_\_\_
3. Motor requirements:
  - a. Specify AC or DC power, AC 1 or 3 ph, voltage?
  - b. Enclosure for motor: (TEFC, explosion proof, washdown duty, or other):
  - c. Variable speed or single speed motor required
4. Output adjustment: manual or remote control signal
5. Other requirements:
  - a. Discharge pressure requirement: \_\_\_\_\_
  - b. Slurry or solids: size?
  - c. Viscosity: (Madden max is up to 450 cps)?
  - d. Suction lift or flooded suction? (If suction lift, how much is the lift?) \_\_\_\_\_
  - e. Corrosive or dangerous liquid?: Specify liquid: \_\_\_\_\_
  - f. Type DDB double diaphragm required? (Normally used for dangerous liquids): Yes/No
  - g. Corrosive environment: epoxy/polyurethane paint finish, special motor enclosure?  
Yes/No
6. Accessories required?:
  - a. Back pressure valve: Yes/No
  - b. Pressure relief valve: Yes/No
  - c. Pulsation dampener: Yes/No
  - d. Calibration column: Yes/No
  - e. Steel pump base: Yes/No
  - f. Tank, plastic or stainless steel: Yes/No