



## PULSAFEEDER METERING PUMP START-UP CHECKLIST

Contractor/Owner: \_\_\_\_\_

Purchase Order No: \_\_\_\_\_

Equipment Tag No(s): \_\_\_\_\_

Pulsafeeder Order No: \_\_\_\_\_

Pump Model(s): \_\_\_\_\_

Serial Number(s): \_\_\_\_\_

Equipment List: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Completed by:

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

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

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

When installation is complete, sign and fax this form to  
**PULSAFEEDER at: (585) 424-5619**

### 1. Installation:

- Operating environment
- Access for maintenance
- Pump mounting, alignment and level
  - Pumps are rigidly bolted to the foundation or mounting surface
  - Pumps are level within 2 degrees
- Inspect piping and accessories (i.e., shut-off valves, inlet strainer, pressure gauges, relief valves, and back pressure valves)
  - All piping and accessories are correctly installed and connected to the inlet and outlet of the pump
  - Necessary calibration columns are available or piped into the system to allow for calibration
- Piping support (weight of the piping cannot be supported by the valve housing or the pump reagent head)
  - All piping is properly supported

### 2. Priming the Pump Hydraulic System

- See priming procedures for respective equipment
- All pumps are filled with the correct PULSALUBE oil

### 3. Priming the Reagent Head

- Suction pressure
- Discharge pressure exceeds suction pressure by 5 psi
- Open discharge line to atmosphere
- Fill reagent head with process fluid
- Reconnect discharge piping or valve to system
- Pump is ready for start-up
  - Water or process fluid is available for testing the pumps and can be delivered to the inlet of the pumps

### 4. Pump Start-Up

- Set stroke length to 0%
- Start pump and slowly increase stroke length to 100%
- Inspect pump for fluid leaks

#### **5. Electronic Stroke Actuator Calibration**

- See attached calibration procedures for stroke length actuator

#### **6. Control Panel Operation**

- Check that all necessary options are installed
- Check all wiring and terminations
- Check supply AC voltage to control panel
  - Power and all electrical connections are complete to the pumps and control panels and are verified to be correct
- Inspect control station - start, stop, run
- Check motor rotation
- Adjust acceleration, deceleration, IR compensation, maximum speed

#### **7. Capacity Calibration**

- Fill calibration column
- Measure volume of product pumped and divide by the time required to pump to calculate pump capacity

#### **8. The owner has been notified and will be available for training**

---

Close