



Instructions: Insert the following paragraphs into your specifications to ensure that your new apparatus is equipped with class 1 components

FLOWMINDER "SUPER" SYSTEM

(Digital Flow Gauge and Digital Pressure Gauge)

INSTRUMENTATION: Flow and Pressure Meters

The apparatus shall be equipped with a Class I Flowminder and a digital pressure gauge on each discharge line to give the pump operator or engineer an indication of actual volume of water (in gallons per minute) being discharged through each line and the actual line pressure. The Flowminder shall also show total flow when a button is depressed and held.

Each Flowminder Super system shall consist of:

1. Two digital displays that shall be weatherproof with super-bright digits at least 1/2" high. One display shall be wired to the flow transmitter to show flow and one display shall be wired to the pressure transducer to read pressure. Each display shall be labeled with color coded ID tags.
2. A flow transmitter mounted in the discharge line piping between the pump and the discharge outlet. The transmitter shall consist of a weather resistant black anodized housing with brass wetted parts with a durable paddle wheel. The only part inserted into the water flow path shall be the paddle wheel.
3. A pressure transducer shall be mounted on each discharge line being monitored. The transducer shall be installed downstream of the discharge valve so as to indicate pressure only when the valve is open.
4. A set of weather resistant connectors to connect the digital displays to the flow transmitter, pressure transducer and to the apparatus power.
5. Machined mounting hardware to hold the transmitter in the correct position in the discharge line shall be provided and placed in strict accordance with the Class 1 monitoring requirements as stated in the Operation and Instruction Manual
6. The flowmeter shall be checked and calibrated prior to delivery of the apparatus .