



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

## **FLOWMINDER SYSTEM**

(Digital Flow and Analog Pressure Gauge)

INSTRUMENTATION: Flow and Pressure Meters

The apparatus shall be equipped with a Class I Flowminder Value System 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 Value System shall also show total flow when a button is depressed and held.

Each Flowminder Value System shall consist of:

1. A color coded bezel with digital display and mechanical pressure gauge on the pump panel. The flow display shall be weatherproof with super-bright digits at least 1/2" high. The pressure display shall be a liquid filled, mechanical gauge with Sub-Z freeze protection.
2. A flow transmitter mounted in the discharge line piping between the pump and the discharge outlet. The only part inserted into the water flow path shall be the paddle wheel.
3. A set of connecting cables to connect the digital display to the flow transmitter and to the apparatus power.
4. 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 I monitoring requirements as stated in the Operation and Instruction Manual.
5. The flowmeter shall be checked & calibrated prior to delivery of the apparatus.