



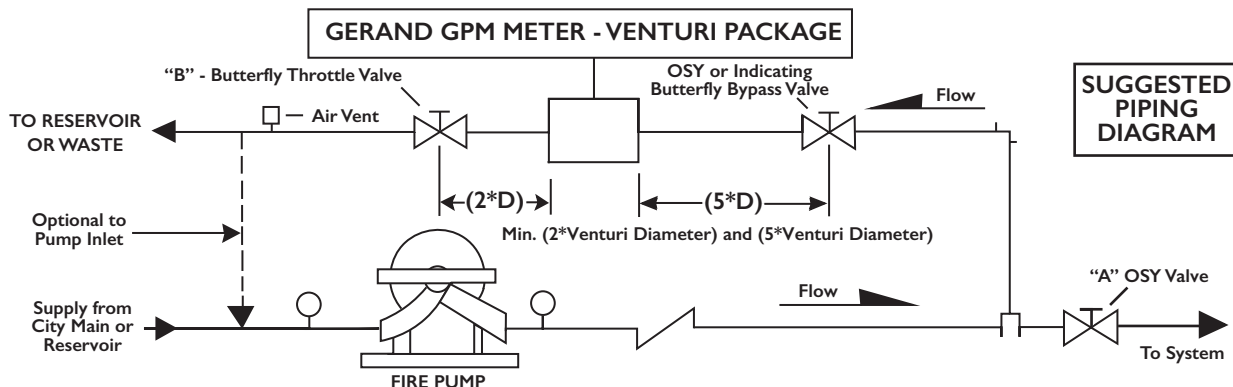
Fire Pump Test Meter Installation Instructions

Materials shipped will be as follows:

- One factory calibrated direct reading GPM meter with vent valves and clear hoses assembled and attached to the meter. The lens of the meter has an "FM Approved" sticker adhered to it with the Gerand model number, maximum rated PSI and serial number.
- One calibrated Gerand venturi with an attached metal tag listing the venturi size, the pump GPM, the meter range and the PSI rating. Adhered to the venturi is a "flow sticker" with an arrow showing the direction of flow and the suggested minimum straight upstream and downstream pipe diameters.
- One set of 500 PSI hoses with color code ends and brass fittings to connect meter to the venturi.
- One metal installation/operation tag permanently attached to meter via brass chain.

Installation Instructions:

- The venturi must be installed in line with the flow of the system going in the same direction as the arrow shown on the venturi. A minimum of (5 x Venturi Diameter) in straight pipe upstream and (2 x Venturi diameter) in straight pipe downstream. The straight pipe lengths must be the same diameter as the venturi.
For example: a 15.24 cm (6") Diameter Venturi requires 76.2 cm (30") of 15.24 cm (6") diameter straight pipe upstream and 30.48 cm (12") of 15.24 cm (6") diameter straight pipe downstream of the venturi.
- If the system has been piped with many elbows in the same or in different planes, we suggest longer straight runs upstream & downstream. These pipe diameters must be the same pipe size as the venturi.
- The meter is then attached via the screws to the welded bracket on the venturi.
- Once the meter is secured to the venturi, screw the ends of the hoses with no valves to the meter (red to red; green to green). Then, thread the valve ends of the hoses to the venturi (red to red; green to green).





Fire Pump Test Meter Operating Instructions

Attached to the meter with a brass chain is an oblong metal tag with the suggested piping diagram of the system on one side, and the following operating instructions on the reverse side:

1. Close system OSY valve "A"
2. Open by-pass valve and "B" butterfly throttle valve
3. Purge meter, located on venturi, as follows:
 - a) Open station shut-off valves on venturi, and vent valves attached to meter.
When a steady stream of water without air bubbles passes through the clear plastic hoses, the meter is purged of air.
 - b) Close the vent valves after purging.
4. Start the fire pump, and read meter in GPM.
5. Refer to pump GPM requirement and adjust throttle valve to meet the requirement.
6. After the test, open valve "A" and close the by-pass and "B" valves.

