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INS-0023/04-01

April 2001

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## **V100 Water Meters – 1/2" thru 3/4" *Installation/Start-up Instructions***

### **INTRODUCTION**

The V100 (PSM) meter is a volumetric type operating on the oscillating piston principle. This utilizes a piston which the water rotates in a working chamber, each piston revolution being equivalent to a known volume of water. The piston movement is transferred by appropriate reduction gearing and a magnetic drive to a straight reading sealed register calibrated in U.S. Gallons, Litres/M3 or Cubic Feet.

All materials in the meter have been selected for their ability to withstand wear and corrosion and to have a long working life with a minimum of maintenance.

### **INSTALLATION**

The meter must be installed in a clean pipeline, free from any foreign materials.

The meter must be inserted with the flow in the direction of the arrow molded, or cast, into the meter body. The meter can be installed in horizontal to vertical lines.

Couplings are provided, which allow for connection with NPT threads.

### **MAINTENANCE/LUBRICATION**

There are no maintenance or lubrication requirements.

### **START-UP PROCEDURE**

The meter piston can be damaged if the meter is subjected to full flow conditions prior to expelling all the air from the piping. Accordingly, turn on the flow gradually.