



Meters & Electronics
602 N 34th Street
Tampa, FL 33605
Telephone (216) 513 3949
Fax (813) 876-1721

Aug
2020

PD 19 / PD 20 Water Meters – 5/8" x 3/4" and 3/4" x 3/4" *Installation/Start-up Instructions*

INTRODUCTION

The PD19 / 20 cold polymer water meter is a volumetric-type meter operating on the oscillating piston principle. This utilizes a piston that water rotates in a working chamber, each piston revolution being equivalent to a known volume of water. Appropriate reduction gearing and a magnetic drive transfers the piston movement to a straight reading sealed register calibrated in U.S. Gallons.

All materials in the meter have been selected for their ability to withstand wear and corrosion and to have a long working life with no maintenance. Please note that this meter is a precision measuring instrument and should be handled as such, ie, do NOT carry the meter by the pulse wire.

INSTALLATION

The meter must be installed in a clean pipeline, free from any foreign materials. The best way to ensure this is to install a 1" x 7.5" PVC nipple in the line prior to flushing the line. If you are using the extension install it with the nipple at this time. After flushing the line simply remove the nipple and install the 7.5" long PD19 / 20.

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 with no effect on accuracy or meter longevity.

Standard 3/4" meter couplings are available from M&E or any plumbing supply house 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 to reduce the risk of catastrophic damage to the meter.