

GENERAL INFORMATION ABOUT LC TYPE WATER METERS

POSITIVE DISPLACEMENT AND METER START-UP:

- 1- Install meters in a service line which has been flushed free of foreign material.
- 2- Do not heat the meter at any time.
- 3- Install meters with the flow direction arrow pointing downstream, i.e. towards the utility customer's facility being served by the meter.
- 4- Keep a minimum length of straight pipe of seven times the diameter of the pipe work upstream and five times downstream. Doing so will optimize meter's revenue.
- 5- Install meter in horizontal pipe work if possible.
- 6- Seal the meter to protect it from illegal modifications.
- 7- A meter's measuring device can be damaged if subjected to full flow conditions prior to expelling all the air from the pipeline. Start-up the meter following these instructions:
 - With all valves closed, open a downstream faucet or other fixture that will demand water from the water main.
- 7- (Suite)
 - Gradually open the upstream valve to allow water to pass through the meter.
 - Observe that the register's sweep hand is turning clockwise in response to the water throughput.
 - Observe that the lowest value totalizer wheel advances one (1) number for each complete turn of the sweep hand.
 - When all the air has been expelled from the pipeline, close the downstream faucet or fixture.
 - Check all connections to detect leaks.

ADDITIONAL INFORMATION:

- 1- Always keep the meter from freezing.
- 2- If you need to store the meter, place it away from extreme temperatures and make sure there is no water left in it.
- 3- We recommend you to verify the meter's precision according to the following chart :
 - 5/8 X 1/2" & 5/8 X 3/4" 10 to 12 years
 - 3/4" & 1" 8 to 10 years
 - 1 1/2" 6 to 8 years
- 4- The meter can be installed horizontally or vertically. However it is recommended to install it horizontally when possible.
- 5- Normally the meter is installed right after the main water valve. Moreover, to facilitate maintenance, it is recommended to install a valve downstream of the meter and a by-pass. Finally, it is also recommended to install a test plug between the meter and the valve placed downstream.
- 6- It is greatly recommended to install a strainer upstream of the meter. This piece prevents from reaching the water meter's mechanism which may cause damage to it.

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HEAD LOSS DIAGRAM

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