

HUTCHINSON ENGINEERING COMPANY

JAN 19 AM 10:30

CAMBRIDGE MA.

163 DAMON ROAD

P.O. BOX 45

NEEDHAM, MA 02192

TEL: (617)-449-4320

FAX: (617)-449-9194

January 12, 1993

**Board of Aldermen
City of Cambridge
City Hall
795 Massachusetts Avenue
Cambridge, MA 02139**

re: Water meters

Ladies/Gentlemen:

As a homeowner and consumer of water and sewer services in the Massachusetts Water Resources Authority (MWRA) District, I have been made aware of the policy of some member communities of installing "second" water meters in residential homes to measure outside water use. The reason for the additional meter is to determine net effluent flow to the MWRA sewer system. Without a second meter, homeowners are charged for sewer system usage based on their gross water usage each quarter. The cost of installation of these meters may range from four to six hundred dollars. Because of this high cost many community residents cannot take advantage of subtracting their outside water use for garden irrigation, swimming pool filling, lawn sprinkling from their gross water use.

I wish to offer to the homeowners of the City of Cambridge a low cost, simple, and easily installed by the home owner water meter that connects directly to the house hose connection. This meter was especially designed to measure flow from a hose connection.

My request is to have the WaterMate meter approved by city officials as a means of calculating net water use to the home and most importantly have the city water meter readers read the meter and then calculate the net sewer charge for the homeowner.

I would market the meters to the public. There would be no charges to the city for the meters as the homeowners would purchase them through my organization. There would be no inventory,

Board of Aldermen

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maintenance or other activity necessary on the city's part.

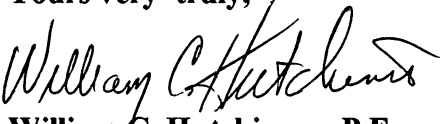
I have enclosed descriptive bulletins for your use. I will demonstrate the meter to your body or to any town official at your/their convenience.

The retail price of WaterMate is \$59.95.

I feel that this concept can save the residents of the city of Cambridge a considerable amount of money.

As spring is fast approaching, with its attendant increase in outside water use, I await your reply to my request.

Yours very truly,



William C. Hutchinson, P.E.

encl.

How much water do you use?

WaterMate™

The Multi-Purpose Water Meter

- Home Water Awareness
- Drought Applications
- Lawn and Garden Uses
- Industrial/Commercial Installations

Measures any water flow

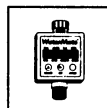
Be
water
wise!

SAVE WATER • SAVE MONEY

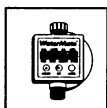


3 Needs: 3 Models

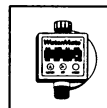
Flexibility to meet your requirements



The **WaterMate WM-1** attaches to **standard 1/2" interior pipe fittings**. **WaterMate WM-1's** may be installed at showers, baths, sinks, washing machines, water purification systems, (even boats and RV's) to gauge individual fixture water consumption. The WM-1 is easily user-installable with a wrench or pliers.

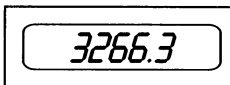


The **WaterMate WM-2** connects to **standard 3/4" hose fittings**. **WaterMate WM-2's** may be located on exterior fixtures to measure lawn and garden, drip irrigation system, household maintenance and pool and spa consumption (and leakage), among other uses. The WM-2 is readily user installable at the faucet "hose bib" connection.



The **WaterMate WM-3** connects to **standard 3/4" exterior pipe fittings**. **WaterMate WM-3's** are usable to track and display cumulative and historical usage data. Applications include agricultural, irrigation, commercial and industrial installations. Professional installation by a plumber is recommended.

Cumulative Water Monitoring



Easy-to-read watch-like display

Utilizing its built-in computer clock/calendar, **WaterMate** can be easily set to provide a cumulative record of water usage for up to 10 prior usage cycles (monthly, bi-monthly or other periods). With a default setting in Gallons, **WaterMate** also measures in Liters, Cubic Feet and 748 gallon Water Units.

Solving "Meter Mysteries"



The standard utility meter is frequently physically inaccessible.... often requires a special tool to open.... may be confusing to read because it reports usage in cubic feet, rather than gallons – and provides only "after the fact" feedback. The attractive **WaterMate** unit, placed accessibly within "line of sight," solves this with its readily available display.



WaterMate is easily installed by the consumer (interior and exterior models), or a plumber (water main model).

A Water - and Money-Saver

The **WaterMate** flow meter is rapidly becoming a necessity with today's ecologically-committed, "water wise" consumer and commercial user: **WaterMate** takes the guess-work out of conserving, applying water to sensitive vegetation, tracking consumption, complying with local water use restrictions (hence avoiding penalties) and saving money.

WaterMate measures water usage by teenagers, or its application to delicate indoor or outdoor plants... tracks drip irrigation system, lawn or pool absorption... and even alerts owners of their own concert-length showers – before over-use! **WaterMate's** clear display provides immediate feedback on consumption at a single fixture – or for an entire home or business. And **WaterMate's** exclusive monitoring storage capacities allow it to track, store and display up to two years of water use.

With today's rapidly increasing water rates, what home owner, property manager or business user can afford to be without **WaterMate**?!

Commercial, industrial and agricultural uses: Additional installations for **WaterMate** include manufacturing control, utility applications, and agricultural measurement, among others.

Bonus Booklet: "34 Tips for A Water-Wise Environment"

WaterMate™ Specifications:

- Indicates current and prior usage for each of the last 10 programmed periods.
- Electronics consist of a sensing unit and an 8-digit LCD display.
- Measures 1/10 gallon to 999,999.9 gallons.
- Display Liters, Cubic Feet and (748 gallon) Water Units.
- Rated to service standard home water pressure.
- Capacity: 1 GPM-10 GPM. Usable for drip systems.
- All models are 5"-H by 3-1/4"-W by 2"-D.
- Uses one 1.5 volt AA battery (not included).
- Packaged with recycled material.
- Patent pending

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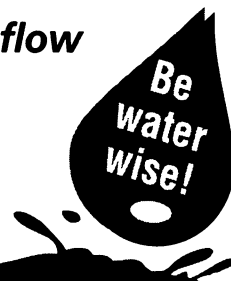
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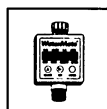


SAVE WATER • SAVE MONEY



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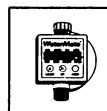
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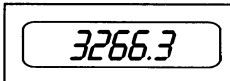


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9.

S-36

Comm. from William C. Hutchinson, P. E.,
Hutchinson Engineering Company, relative
to the installing additional water meters.

In City Council,

January 25, 1993

*Referred to the
City Manager &
Water Dept
Copy sent to City Mgr &
Water Dept. 1/27/93 (de.)*