



# Warwick Water Division

935 Sandy Lane, Warwick. R.I. 02889

Phone: 738-2000 ext. 6600

Fax: 732-0616

## DEDUCT METER POLICY

This Deduct Meter Policy applies to the Customers serviced by the Warwick Water Division only. Any questions regarding deduct meters or backflow devices, please call 738-2000 ext. 6600

**This policy does not apply to Kent County Water Authority Customers**

Deduct Meters are used for non-sewered water uses such as sprinkler systems, outside silcock, etc. The Deduct Meter is to be installed on the downstream side of the water meter as close to the outside use connections (hose bibs, sprinkler control valves) as practical. There can be NO sewer service plumbing fixture connections downstream of the deduct meter.

### APPROVAL PROCESS

1. Deduct meters must be purchased at the Warwick Water Division. Please be advised that we will accept Checks or Money Orders only. **NO CASH ACCEPTED.**
2. The property owner is responsible for the cost of the meter and the installation.
3. The deduct meter must be purchased from the Warwick Water Division (see page 3 for price list).

Warwick Water will deliver the deduct meter to you on the ***scheduled day in the morning to be installed by your plumber and is required to be inspected later that***

4. Once the Warwick Water Division verifies compliance, the deduct meter account will be set up and credit will be given from that time forward. ***You will only receive credit for water registered on the meter after it is inspected and approved by the Warwick Water Division.***



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## CONDITIONS OF APPROVAL

1. The application of credits for water measured by a deduct meter will begin only after the Warwick Water Division has approved the installation. **Inspection/approval of the installed meter will be performed the same day that it is installed.**
2. The meter will be read each quarter by City personnel provided the meter is equipped with a properly functioning MIU (meter interface unit). If for some reason the MIU is not functioning properly, it is the owner's responsibility to allow access for City personnel to troubleshoot and repair the remote reader. Also be advised that the meter you purchase for deduct becomes the property owners responsibility for future repairs and or related costs.
3. There shall be no deduct meter location changes or meter replacements without prior approval of the Warwick Water Division.
4. The deduct meter will meet the following specifications:
  - Neptune Model T-10 Proread. Registration is in cubic feet.
  - Meter shall be installed level and parallel to the floor.
  - Meter shall be installed using couplings.
  - Meter shall be installed so that it is easily accessible for future inspections.
  - Meter shall be installed at least 12 inches above the floor and 18 inches below the bottom of the floor joists.
  - At a minimum, all commercial or residential sprinkler/irrigation systems shall be provided with an appropriate backflow device, installed at the point where the sprinkler/irrigation system connects to the water supply as required by the plumbing code.
  - An acceptable dual check backflow device must be installed on the building's water service line immediately after the City's water meter per the City of Warwick's Cross Connection Control Program. This device is in addition to the backflow device required by code to be installed on the irrigation system. Please be advised that when an irrigation system introduces chemicals into the system, the potable water supply shall be protected against backflow by a reduced pressure zone backflow preventer or an air gap.
  - All **new** construction — residential, commercial, and industrial — hose bibs shall be of a design which incorporates a built-in tamper proof vacuum breaker feature as manufactured by the hose bib maker. Warwick Water may require that existing properties be retrofitted with non-removable hose bib vacuum breaker assemblies based on the degree of hazard.
5. **Call for final acceptance and approval by the Warwick Water Division.**

**BEFORE YOU PURCHASE YOUR DEDUCT METER,  
CONTACT YOUR PLUMBER FOR AN ESTIMATE OF COST**



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## Deduct Meter Pricing (Effective 4/1/14)

### 5/8" METER

7% TAX ON METER

RADIO UNIT

7% TAX ON RADIO UNIT

INSPECTION

\$103.90

\$ 7.27

\$ 91.00

\$ 6.37

\$ 30.00

**\$238.54 FINAL COST**

### 3/4" METER

7% TAX ON METER

RADIO UNIT

7% TAX ON RADIO UNIT

INSPECTION

\$145.65

\$ 10.20

\$ 91.00

\$ 6.37

\$ 30.00

**\$283.22 FINAL COST**

### 1" METER

7% TAX ON METER

RADIO UNIT

7% TAX ON RADIO UNIT

INSPECTION

\$228.58

\$ 16.00

\$ 91.00

\$ 6.37

\$ 30.00

**\$371.95 FINAL COST**

### 1-1/2" METER

7% TAX ON METER

RADIO UNIT

7% TAX ON RADIO UNIT

INSPECTION

\$520.32

\$ 36.42

\$ 91.00

\$ 6.37

\$ 30.00

**\$684.11 FINAL COST**

### 2" METER

7% TAX

RADIO UNIT

7% TAX ON RADIO UNIT

INSPECTION

\$654.69

\$ 45.83

\$ 91.00

\$ 6.37

\$ 30.00

**\$827.89 FINAL COST**

PRICES ARE SUBJECT TO CHANGE—PAYMENTS BY CHECK OR MONEY OR-



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## Thermal Expansion Devices

Warwick Water requires the installation of Backflow Prevention Devices after water meters in order to protect the water distribution system from customer-generated pollution and/or contamination.

When a Backflow Prevention Device is placed on a water service line, the water that has been delivered to the customer's facility or residence is prevented from returning through the meter to the water main located in the street. This creates a "Closed Loop System" within the customer's building during periods of no water use.

This closed loop system is fine until water is heated for domestic or building heating purposes.

When water is heated it expands in volume. This is called "Thermal Expansion". In order to control thermal expansion, a relief valve or system is needed. The emergency relief valve on the hot water heater was not meant to control this type of expansion and will not adequately protect the water heater.

At this time there are two types of products available to control thermal expansion:

- 1.) A pre-pressurized diaphragm type expansion tank that is connected to the cold water supply Line (make-up water), which feeds the water heating system (freestanding or tankless type).
- 2.) A multi-purpose product consisting of a toilet tank ball cock fill valve, all in a single assembly.