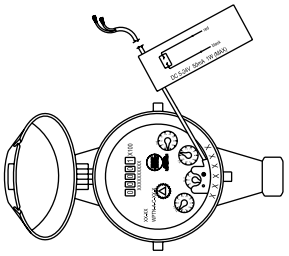
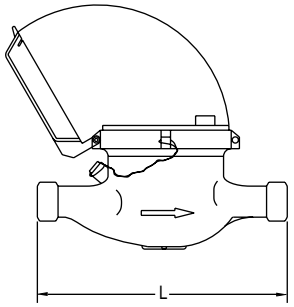
Dwyer

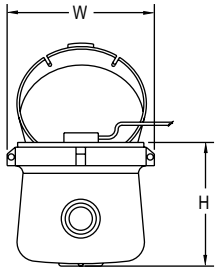
SERIES WPTN

# MULTI-JET NSF CERTIFIED PLASTIC WATER METER

## Lead Free, Economical Plastic Body, Pulse Output








| Spud Size (BSPP) | Coupling Size (NPT) | L | W | H | Weight |
|---|---|---|---|---|---|
| 5/8″ | 1/2″ | 6-1/2″ [165 mm] | 3-23/32″ [94 mm] | 4-15/64″ [107.5 mm] | 1.55 lb [0.7 kg] |
| 5/8″ | 3/4″ | 7-1/2″ [190 mm] | 3-23/32″ [94 mm] | 4-15/64″ [107.5 mm] | 1.77 lb [0.8 kg] |
| 3/4″ | 1″ | 10-1/4″ [260 mm] | 3-55/64″ [98 mm] | 4-5/8″ [117.5 mm] | 2.43 lb [1.1 kg] |
| 1″ | 1″ | 10-1/4″ [260 mm] | 3-55/64″ [98 mm] | 4-5/8″ [117.5 mm] | 2.43 lb [1.1 kg] |
| 1-1/2″ | 1-1/2″ | 11-13/16″ [300 mm] | 4-13/16″ [122 mm] | 5-45/64″ [141.5 mm] | 4.41 lb [2 kg] |

The **Series WPTN Multi-Jet NSF Certified Plastic Water Meter** is a series of plastic mechanical water totalizing meters with NSF certification. The meters display the total water usage in gallons. They are available in a range of body sizes and include NPT optional couplings. The plastic body water meters can be used where standard brass is not compatible, in potable water applications, some corrosive environments, or where an economical water totalizer is desired.

### FEATURES/BENEFITS

- Plastic, NSF certified body is ideal for potable water applications
- Multi-jet design allows for accuracy in various flow ranges, even in low flow applications
- Magnetically driven, hermetically sealed register does not leak or fog and is completely separated from the water
- Designed for long service life and maintenance-free operation
- Integral strainer protects meter from particulate damage
- Included coupling adapters simplify installation
- Pulsed output proportional to flow allows for remote flow totalization

### APPLICATIONS

- Potable water
- Commercial water usage
- Chiller water usage
- Low cost residential water measurement
- Agriculture (fertilizers, pesticides, and herbicides)
- Irrigation
- Remote water monitoring

### SPECIFICATIONS

**Service:** Water.
**Wetted Materials:** Body: PA; Couplings: PA; Measuring chamber: ABS plastic.
**Flow Range:** See model chart.
**Accuracy:** WPTN-A-X-XX: Minimum flow: ±3%; Nominal flow: ±1.5%.
**Temperature Limit:** 112°F (50°C).
**Pressure Limit:** 150 psi (10 bar).
**Pressure Drop:** See pressure drop curve.
**Totalizing Display Maximum:** See model chart.
**Output Signal:** Pulse output with frequency proportional to flow rate.
**Pulse Options:** 0.1 gal, 1 gal, 10 gal, 100 gal per pulse (1 L, 10 L, 100 L, 1000 L per pulse*). See model chart.
**Electrical Rating:** 0.01 A @ 24 VAC/DC.
**Electrical Connections:** 3.5 $mm^2$ stranded lead wires, 4.5´ (1.5 m) long.
**Mounting Orientation:** Horizontal with meter face facing up.
**Weight:** See dimension chart.
**Approvals:** NSF/ANSI 61.

*Consult factory.

### MODEL CHART

| Model | Size | Coupling Size | GPM (Gallons Per Minute) Maximum Flow | Nominal Flow Range | Minimum Flow | Display Max (Gallons) | Pulse Rate (Gal/Pulse) |
|---|---|---|---|---|---|---|---|
| **WPTN-A-C-01** | 5/8″ x 1/2″ | 5/8″ x 1/2″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 0.1 |
| **WPTN-A-C-02** | 5/8″ x 3/4″ | 5/8″ x 3/4″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 0.1 |
| **WPTN-A-C-03** | 3/4″ x 1″ | 3/4″ x 1″ | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 0.1 |
| **WPTN-A-C-04** | 1″ | 1″ | 50 | 3 to 50 | 0.75 | 9,999,999.99 | 0.1 |
| **WPTN-A-C-01-1** | 5/8″ x 1/2″ | 5/8″ x 1/2″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 1 |
| **WPTN-A-C-02-1** | 5/8″ x 3/4″ | 5/8″ x 3/4″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 1 |
| **WPTN-A-C-03-1** | 3/4″ x 1″ | 3/4″ x 1″ | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 1 |
| **WPTN-A-C-04-1** | 1″ | 1″ | 50 | 3 to 50 | 0.75 | 9,999,999.99 | 1 |
| **WPTN-A-C-05-1** | 1-1/2″ | 1-1/2″ | 100 | 5 to 100 | 1.5 | 99,999,999.9 | 1 |
| **WPTN-A-C-01-10** | 5/8″ x 1/2″ | 5/8″ x 1/2″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 10 |
| **WPTN-A-C-02-10** | 5/8″ x 3/4″ | 5/8″ x 3/4″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 10 |
| **WPTN-A-C-03-10** | 3/4″ x 1″ | 3/4″ x 1″ | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 10 |
| **WPTN-A-C-04-10** | 1″ | 1″ | 50 | 3 to 50 | 0.75 | 9,999,999.99 | 10 |
| **WPTN-A-C-05-10** | 1-1/2″ | 1-1/2″ | 100 | 5 to 100 | 1.5 | 99,999,999.9 | 10 |
| **WPTN-A-C-01-100** | 5/8″ x 1/2″ | 5/8″ x 1/2″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 100 |
| **WPTN-A-C-02-100** | 5/8″ x 3/4″ | 5/8″ x 3/4″ | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 100 |
| **WPTN-A-C-03-100** | 3/4″ x 1″ | 3/4″ x 1″ | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 100 |
| **WPTN-A-C-04-100** | 1″ | 1″ | 50 | 3 to 50 | 0.75 | 9,999,999.99 | 100 |
| **WPTN-A-C-05-100** | 1-1/2″ | 1-1/2″ | 100 | 5 to 100 | 1.5 | 99,999,999.9 | 100 |