

SERIES WRBT | MULTI-JET WATER METER WITH REMOVABLE BOTTOM

FEATURES/BENEFITS

- Removable bottom allows for easy entry for cleaning
- Multi-jet design allows for simplicity and accuracy with wide 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 that protects meter from particulate damage
- Easy installation with included coupling adapters
- Pulsed output proportional to flow allows for remote flow totalization

APPLICATIONS

- Agricultural
- Irrigation
- HVAC applications
- Measuring total condenser water flow in residential, commercial and industrial applications

DESCRIPTION

The **SERIES WRBT** Removable Bottom Multi-Jet Water Meters are a series of mechanical, water totalizing meters that display the total water usage in Gallons with m³ options. They are available in a range of body sizes and include NPT or BSPT optional couplings. The ECO BRASS® alloy body incorporates a removable section that easily disassembles for easy cleaning of any collected debris that may collect in the system while maintaining its performance.

SPECIFICATIONS

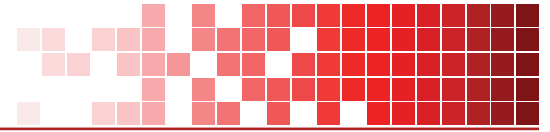
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|-----------------------------------|--|
| Service | Water. |
| Wetted Materials | Body: ECO BRASS® alloy; Couplings: ECO BRASS® alloy; Measuring Chamber: ABS Plastic. |
| Flow Range | See model chart. |
| Accuracy | Transitional Flow: ±3%; Nominal Flow: ±1.5%. |
| Temperature Limit | 122°F (50°C). |
| Pressure Limit | 150 psi (10 bar). |
| Pressure Drop | See service manual |
| Totalizing Display Maximum | See model chart. |
| Output Signal | Pulse output with frequency proportional to flow rate. |
| Pulse Options | 10 gal or 100 gal per pulse. See model chart.* |
| Electrical Rating | 0.01A @ 24VAC/DC. |
| Electrical Connections | Color-coded lead wires, 4.5 (1.5m) long. |
| Mounting Orientation | Horizontal with register facing up. |
| Weight | See dimension chart. |

| MODEL CHART | | | | | | | |
|-----------------|------------|---------------|--------------------------|--------------------|-------------------|-----------------------|------------------------|
| Model | Size | Coupling Size | GPM (Gallons Per Minute) | | | Display Max (Gallons) | Pulse Rate (Gal/Pulse) |
| | | | Max Flow | Nominal Flow Range | Transitional Flow | | |
| WRBT-A-C-01-10 | 5/8 x 1/2" | 1/2" NPT | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 10 |
| WRBT-A-C-02-10 | 5/8 x 3/4" | 3/4" NPT | 20 | 1 to 20 | 0.25 | 9,999,999.99 | 10 |
| WRBT-A-C-03-10 | 3/4" SL | 3/4" NPT SL | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 10 |
| WRBT-A-C-04-10 | 3/4" | 3/4" NPT | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 10 |
| WRBT-A-C-05-10 | 3/4 x 1" | 1" NPT | 30 | 2 to 30 | 0.5 | 9,999,999.99 | 10 |
| WRBT-A-C-06-10 | 1" L | 1" NPT L | 50 | 3 to 50 | 0.75 | 9,999,999.99 | 10 |
| WRBT-A-C-07-100 | 1-1/2" | 1-1/2" NPT | 100 | 5 to 100 | 1.5 | 9,999,999.9 | 100 |
| WRBT-A-C-08-100 | 2" | 2" NPT | 160 | 8 to 160 | 2 | 9,999,999.9 | 100 |



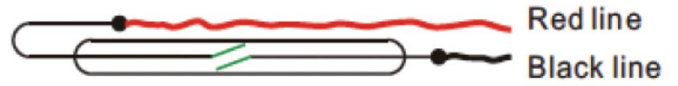
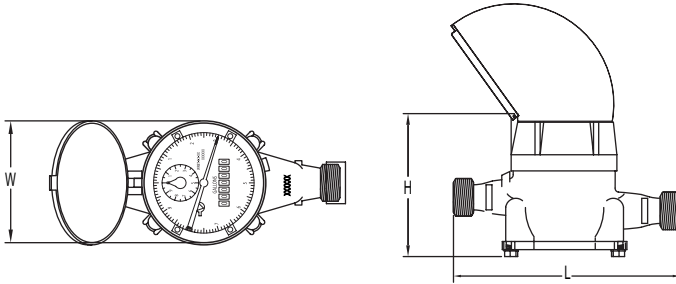
ECO BRASS® is a registered trademark patent by Mitsubishi Shindoh





DIMENSIONS

WIRING DIAGRAM



| DIMENSION CHART | | | | | |
|-----------------|------------------|--------------------|-------------------|--------------------|----------------|
| Size in (mm) | Spud NPSM (BSPP) | Length 'L' in (mm) | Width 'W' in (mm) | Height 'H' in (mm) | Weight lb (kg) |
| 5/8 x 1/2 (15) | 3/4" (3/4") | 7-1/2 (190) | 3-13/16 (97) | 4-3/4 (121) | 4.38 (1.99) |
| 5/8 x 3/4 | 1" (1") | 7-1/2 (190) | 3-13/16 (97) | 4-3/4 (121) | 4.6 (2.09) |
| 3/4 SL (20) | 1" (1") | 7-1/2 (190) | 3-13/16 (97) | 4-3/4 (121) | 4.6 (2.09) |
| 3/4 (20) | 1" (1") | 9 (229) | 3-13/16 (97) | 4-3/4 (121) | 4.6 (2.09) |
| 1 (25) | 1" (1") | 9 (229) | 4-3/4 (111) | 4-3/4 (111) | 5.2 (2.34) |
| 1-1/4 (32) | 1-1/4" (1-1/4") | 10-3/4 (273) | 4-3/4 (111) | 5-1/8 (130) | 7.1 (3.22) |
| 1-1/2 (40) | 2" (2") | 9-5/8 (245) | 5-3/4 (146) | 6-1/4 (159) | 11.3 (5.13) |
| 2 (50) | 2-1/2" (2-1/2") | 11-1/2 (292) | 6 (152) | 5-3/4 (146) | 15 (6.80) |

HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

| | | | | | | |
|--|-------------|-----------|-----------|------------|-----------|--|
| | WRBT | -A | -C | -01 | -X | |
| MODEL | | | | | | PULSE RATE |
| WRBT - Multi-Jet Water Meter with Removable Bottom | | | | | | -10 - 10 gal output -100 - 100 gal output |
| UNIT OF MEASUREMENT | | | | | | SIZE |
| -A - Gallons | | | | | | 01 - 5/8" x 1/2" 02 - 5/8" x 3/4" 03 - 3/4" SL 04 - 3/4" 05 - 3/4" x 1" 06 - 1" 07 - 1-1/2" 08 - 2" |
| COLD WATER | | | | | | |
| | | | | | | |

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