



**Badger Meter**

## JEFFERSON PARISH PURCHASING DEPARTMENT

Invitation to Bid  
Bid Number 50-00144741- Purchase of Water Meters for the  
Jefferson Parish Westbank  
Opening Day: Friday, March 15, 2024, at 11:00 AM CST



4545 W Brown Deer Road  
PO Box 245036  
Milwaukee, Wisconsin 53224-9536  
414-355-0400 | 800-876-3837  
[www.badgermeter.com](http://www.badgermeter.com)

March 14, 2024

Ms. Nicolle Whitney  
Purchasing Coordinator  
Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 400  
Gretna, LA 70053

**RE: Purchase of Water Meters for the Jefferson Parish Westbank**  
*Opening Date: Friday, March 15, 2024, at 11:00 AM CST*

Dear Ms. Whitney:

Accompanying this letter is the response from Badger Meter, Inc. ("Badger Meter") to the Jefferson Parish Purchasing Department's ("Jefferson Parish") Purchase of Water Meters for the Jefferson Parish Westbank Invitation to Bid (ITB) 50-00144741, requesting a supply of new meters. Badger Meter appreciates the opportunity to support the Department's objectives set forth with the release of this ITB. At Badger Meter, we take our customers' needs seriously and look forward to demonstrating to the Department what it means to partner with us. The commitment of Badger Meter is to provide Jefferson Parish high-quality products that are readily available and offer extraordinary value. Our people, operations, and products have allowed us to deliver on this commitment consistently, providing an exceptional customer experience and Smart Water solution for the complete water ecosystem.

Badger Meter is a market leader in water meter technology with 119+ years of experience designing, manufacturing, and supplying water meters, including over 35 million water meters installed nationwide. With more than a century in the metering business, the Department can rest assured Badger Meter is a reputable company renowned for providing the highest-quality products.

As the world navigates economic and supply chain challenges that have affected many organizations, recognize that Jefferson Parish can count on Badger Meter as a partner that has proven it can deliver on its competitive lead times. The supply chain execution demonstrated by Badger Meter shows our capability to navigate external challenges and capitalize on the current robust demand environment. We have shown great agility in this market by effectively redesigning certain product components to provide greater flexibility on supply sources. These successes differentiate Badger Meter from competitors.

For this response to the Department's ITB, please note payment terms are net 30 days. Prices quoted in this bid, if awarded to Badger Meter, will remain firm for six months, through September

11, 2024, if acceptance is made within 60 days. This letter, as well as the general disclosures, are attached to, and become part of Badger Meter's response.

A copy of the bid tabulation, for our records, is appreciated. Electronic results can be emailed to [proposals@badgermeter.com](mailto:proposals@badgermeter.com).

In the event you have any questions regarding this correspondence, our Proposals department can be reached by email at [proposals@badgermeter.com](mailto:proposals@badgermeter.com) or by telephone at 800-876-3837. Additionally, you may contact your Account Manager, Brent Bennett, by email at [bbennett@badgermeter.com](mailto:bbennett@badgermeter.com) or by telephone at 225-305-3079.

Sincerely,

BADGER METER, INC.

A handwritten signature in black ink, appearing to read "Matthew B. Gieseke". The signature is fluid and cursive, with a long horizontal stroke at the end.

Matthew B. Gieseke  
Assistant Secretary and Proposal Lead

# GENERAL DISCLOSURES

## CONFIDENTIALITY STATEMENT

The information contained herein is to be considered confidential and proprietary to the extent allowable by law. © 2024 Badger Meter, Inc. All rights reserved.

## DISCLOSURES

For this response to the Department's ITB, please note payment terms are net 30 days. Prices quoted in this bid, if awarded to Badger Meter, will remain firm for six months, through September 11, 2024, if acceptance is made within 60 days.

If applicable, sales tax and freight will be calculated based on rates and tax status in effect at the time of invoicing.

Due to continuous improvements and redesign of our products and technology solutions, Badger Meter reserves the right to provide our newest product solutions as an alternative to the proposed products, provided they are in conformance with the requirements of the specifications and do not exceed the prices quoted.

We provide certification files to help you manage your meter and endpoint inventory along with the corresponding meter accuracy data. The standard method of delivery for this format is via electronic mail. Any deviations from our standard format, or any custom file formats, will be considered on a time and material basis.

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# AUTHORIZATION TO SIGN





4545 W Brown Deer Road  
PO Box 245036  
Milwaukee, Wisconsin 53224-9536  
414-355-0400 | 800-876-3837  
www.badgermeter.com

## APPOINTMENT OF ELECTED AND NON-ELECTED OFFICERS

We certify as follows:

Under authority delegated by the Badger Meter, Inc. Board of Directors to Badger Meter, Inc. executive management, the following are appointed:

### Non-Elected Officers:

Charla D. Drury	Assistant Secretary	Proposal Lead – Bids and Contract Administration
Wayne Dennis	Assistant Secretary	Senior Director - International Sales & Marketing & Business Development
Claire A. Evans	Assistant Secretary	Proposal Manager – Bids and Contract Administration
Nicholas J. Gemmill	Assistant Secretary	Senior Legal Counsel
Matthew B. Gieseke	Assistant Secretary	Proposal Lead – Bids and Contract Administration
Charity D Granberry	Assistant Treasurer	Milwaukee Accounting Manager
Shauna A. Griffin	Assistant Secretary	Sr. Director – Utility Sales
Benjamin E. Loomis	Assistant Secretary	Milwaukee Credit Manager
David A. Miller	Assistant Secretary	Counsel II
Rachel J. Meyer	Assistant Secretary	Proposal Lead – Bids and Contract Administration
Jessica A. O’Malley	Assistant Secretary	Director – Turnkey Operations
Jevgeni Neufeld	Assistant Treasurer	Director – Finance
Michael Steiner	Assistant Secretary	General Manager of Water Quality International
Christie M. Tarantino	Assistant Treasurer	Director - Accounting & External Reporting
Kavin Tedamrongwanish	Assistant Secretary	Counsel III

BY:   
Ken Bockhorst (Jan 12, 2024 08:05 CST)

  
Bill Bergum (Jan 12, 2024 07:16 CST)

Kenneth C. Bockhorst  
Chairman, President, and Chief Executive Officer  
Badger Meter, Inc.  
January 11, 2024

William R. A. Bergum,  
Vice President - General Counsel & Secretary  
Badger Meter, Inc.  
January 11, 2024

# INVITATION TO BID FORMS



DATE: 3/12/2024

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 5

BID NO.: 50-00144741

**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

VENDOR: 27118 BLANK BID COPY VENDOR

PURCHASING SPECIALIST:  
NWHITNEY

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work to be done in workman-like manner, according to standard practices. Any deviations or alteration from the specifications must be indicated on the bid form for each item and upon request, product data for same must be submitted by the time specified by the Purchasing Department.

<b>DELIVERY: FOB JEFFERSON PARISH</b>	
INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES	60 days ARO
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	Not Applicable
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	Not Applicable

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_  
 NUMBER: \_\_\_\_\_  
 NUMBER: \_\_\_\_\_  
 NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) Not applicable; Supply Only

<b>*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***</b>	
FIRM NAME: <u>Badger Meter, Inc.</u>	
SIGNATURE: (Must be signed here)	TITLE: <u>Assistant Secretary and Proposal Lead</u>
PRINT OR TYPE NAME: <u>Matthew B. Gieseke</u>	
ADDRESS: <u>4545 W. Brown Deer Road</u>	
CITY, STATE: <u>Milwaukee, WI</u>	ZIP: <u>53223</u>
TELEPHONE: <u>(800) 876-3837</u>	FAX: <u>(414) 371-5981</u>
EMAIL ADDRESS: <u>proposals@badgermeter.com</u>	

TOTAL PRICE OF ALL BID ITEMS: \$ 9,897.60

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00144741

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	12.00	EA	<p style="text-align: center;">PURCHASE OF WATER METERS FOR THE JEFFERSON PARISH WESTBANK WAREHOUSE</p> <p>0010 METER, 2 INCH, TURBO, NO LEAD BRONZE HOUSING, SHROUD AND LID, ELLIPTICAL FLANGES, 200 GPM, GALLON MEASUREMENT, DIRECT READ, BADGER #RCDL T-200. USED FOR FLOATER METERS ONLY</p> <p style="text-align: center;">WESTBANK WAREHOUSE - ALBERT CHAUVIN</p> <p>DELIVER TO:</p> <p>JEFFERSON PARISH WB WAREHOUSE 1500 River Park Road BRIDGE CITY, LA 70094 504-349-5155</p>	<p>\$ 824.80</p>	<p>\$ 9,897.60</p>

# PRODUCT DATA SHEETS





## Recordall® Turbo Series Meters

Models 160 (1-1/2 in.), 200 (2 in.), 450 (3 in.), 1000 (4 in.), 2000 (6 in.), 3500 (8 in.), 5500 (10 in.) and 6200 (12 in.)  
NSF/ANSI/CAN Standards 61 and 372 Certified

### DESCRIPTION

Recordall Turbo Series meters meet or exceed the most recent revision of AWWA Standard C701 Class II Standards and are available in a lead-free bronze alloy for sizes 1-1/2 in. through 10 in. and cast iron for 12 in. meters. Turbo Series meters comply with the lead-free provisions of the Safe Drinking Water Act. Sizes 1-1/2 in. through 12 in. meters are also certified to NSF/ANSI/CAN Standards 61 and 372 (Trade Designation: Turbo Series LL-NS) and carry the NSF-61 mark on the housing. All components of the lead-free alloy meter (housing, measuring element, seals and so on) comprise the certified system.

**Models 160 through 6200 are designed for 1-1/2 in. through 12 in. applications. These meters feature:**

- Direct coupled turbine based on an exclusive “floating rotor” design that reduces bearing friction—and associated wear and tear.
- Low pressure loss for improved system efficiency.
- Exceptional registration accuracy across low flow rate, normal operating flow rate and maximum continuous operation flow.
- Permanently sealed, tamper-resistant register or encoder.
- Integral strainer helps protect your system from damaging debris and related downtime. Integral strainer is standard on 1-1/2 in. meter, and optional on 2 in. through 4 in. meters.
- Meters and encoders are compatible with Badger Meter AMR/AMI meter reading systems and other approved reading technologies.

**Applications:** Recordall Turbo Series meters are designed for cold water, commercial and industrial applications where flows are consistent medium to high flows. Applications include hotels, apartment buildings, irrigations centers and manufacturing and processing plants. Turbo Series meters help reduce day-to-day maintenance costs while delivering accurate and efficient performance.

**Operation & Performance:** Direct magnetic drive is achieved when the magnet carrier is driven by a gear train coupled to the rotor. The gear train consists of two sets of gears connected by a vertical transmission shaft. One gear set is at the magnet carrier, the other is a worm gear set at the rotor shaft. When water flows into the Turbo Series meter measuring element, it contacts the multi-vaned rotor. The resulting rotor rotation is then transmitted by magnetic coupling to a sealed register or encoder. The direct magnetic drive is built to provide a reliable meter-to-registration coupling.



**Tamper-Proof Features:** Unauthorized removal of the register or encoder is inhibited by the option of a tamper detection seal wire screw, TORX® tamper-resistant seal screw or the proprietary tamper-resistant keyed seal screw. Each can be installed at the meter site or at the factory.

**Construction:** The Recordall Turbo Series meter is constructed in compliance with ANSI and AWWA C701 standards. It consists of the following basic components: meter housing, interchangeable, unitized measuring element and permanently sealed direct reading registers or encoders.

The measuring element consists of the transmission coupling, rotor, inlet and outlet straightening vanes with nose cones, and calibration ring assembly. The unique inlet and outlet straightening vanes minimize swirl from piping arrangements upstream as well as downstream.

A strainer is recommended to help ensure optimal flow conditioning and protection for the measuring element. The integral strainer is standard on the 1-1/2 in. meter and an available option on the 2 in. through 4 in. meters. The stainless steel strainer is built into the inlet end and includes a removable cover plate to permit easy access for routine cleaning. External strainers are available in sizes 2 in. through 12 in.

To simplify maintenance, the registers or encoders and measuring elements can be removed without removing the meter housing. Interchangeability of certain parts between meters also minimizes spare parts inventory investment.

**Meter Installation:** The meter is designed for installations where flow is in one direction only. Companion flanges for installation of meters on various pipe types and sizes are available in cast iron or NL bronze as an option. See the *Recordall Turbo Series Meters User Manual* available at [badgermeter.com](http://badgermeter.com) for specific instructions.



RTS-DS-00320-EN-09 (May 2022)

# Product Data Sheet

## SPECIFICATIONS

Turbo Series Model	160 1-1/2 in. (40 mm)	200 2 in. (50 mm)	450 3 in. (80 mm)	1000 4 in. (100 mm)	2000 6 in. (150 mm)	3500 8 in. (200 mm)	5500 10 in. (250 mm)	6200 12 in. (300 mm)
Meter Flanges AWWA 125 Pound Class	Elliptical	Elliptical or Round	Round	Round	Round	Round	Round	Round AWWA 125 lb class
Typical Operating Range (100% ± 1.5%)	4...200 gpm (0.9...45.4 m <sup>3</sup> /h)	4...310 gpm (0.9...70.4 m <sup>3</sup> /h)	5...550 gpm (1.1...124.9 m <sup>3</sup> /h)	10...1250 gpm (2.3...284 m <sup>3</sup> /hr)	20...2500 gpm (4.5...568 m <sup>3</sup> /h)	30...4500 gpm (6.8...1022 m <sup>3</sup> /h)	50...7000 gpm (11.4...1590 m <sup>3</sup> /h)	90...8800 gpm (20.5...1998 m <sup>3</sup> /h)
Typical Low Flow (95% min.)	2.5 gpm (0.6 m <sup>3</sup> /h)	2.5 gpm (0.6 m <sup>3</sup> /h)	4 gpm (0.9 m <sup>3</sup> /h)	6 gpm (1.4 m <sup>3</sup> /h)	12 gpm (2.7 m <sup>3</sup> /h)	20 gpm (4.5 m <sup>3</sup> /h)	30 gpm (6.8 m <sup>3</sup> /h)	65 gpm (14.8 m <sup>3</sup> /h)
Max. Continuous Flow	160 gpm (36 m <sup>3</sup> /h)	200 gpm (45.4 m <sup>3</sup> /h)	450 gpm (102.2 m <sup>3</sup> /h)	1000 gpm (227.1 m <sup>3</sup> /h)	2000 gpm (454 m <sup>3</sup> /h)	3500 gpm (795 m <sup>3</sup> /h)	5500 gpm (1250 m <sup>3</sup> /h)	6200 gpm (1408 m <sup>3</sup> /h)
Maximum Intermittent Flow	200 gpm (45.4 m <sup>3</sup> /h)	310 gpm (70.4 m <sup>3</sup> /h)	550 gpm (124.9 m <sup>3</sup> /h)	1250 gpm (284 m <sup>3</sup> /h)	2500 gpm (568 m <sup>3</sup> /h)	4500 gpm (1022 m <sup>3</sup> /h)	7000 gpm (1590 m <sup>3</sup> /h)	8800 gpm (1988 m <sup>3</sup> /h)
Pressure Loss at Max. Continuous Flow	3.8 psi (0.26 bar)	3.1 psi (0.21 bar)	1.8 psi (0.12 bar)	7.3 psi (0.50 bar)	4.8 psi (0.33 bar)	2.5 psi (0.17 bar)	1.6 psi (0.11 bar)	0.8 psi (0.05 bar)
Pressure Loss at Max. Continuous Flow: With Integral Strainer	9.9 psi (0.68 bar)	8.3 psi (0.57 bar)	5 psi (0.43 bar)	17.8 psi (1.2 bar)	—			
Max. Operating Pressure	150 psi (10 bar)							
Max. Operating Temperature	120° F (49° C)							
Integral Strainer	Optional on 2 in. through 4 in. meters. Built into inlet end. Removable cover plate permits access to strainer for cleaning.				—			
Optional External Strainer	—	Available for Models 200, 450, 1000, 2000, 3500, 5500 and 6200.						
NPT Test Port	Standard with integral strainer; optional for other models.				Optional for Models 2000 and 3500.		—	

## MATERIALS

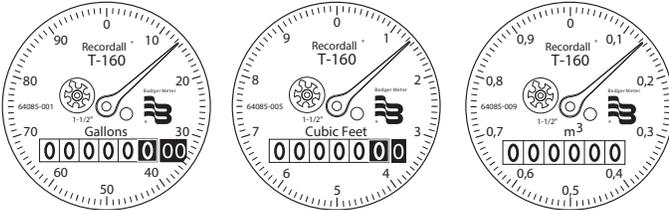
Meter Housing	Lead-free alloy ( <b>EXCEPTION:</b> Model 6200 meter housing is blue epoxy-coated cast iron)
Turbo Head	Lead-free alloy
Nose Cone & Straightening Vanes	Thermoplastic
Rotor	Thermoplastic
Rotor Radial Bearings	Lubricated thermoplastic
Rotor Thruster Bearing	Sapphire jewels
Rotor Bearing Pivots	Passivated 316 stainless steel
Calibration Mechanism	Stainless steel & thermoplastic
Magnet	Ceramic
Trim	Stainless steel
Register Housing & Cover	Thermoplastic or bronze
Integral Strainer & Trim	Stainless steel

## REGISTERS / ENCODERS

### Standard—Sweep-Hand Registration

The standard register is a straight-reading, permanently sealed magnetic drive register. Dirt, moisture, tampering and lens fogging problems are eliminated. The register has a six-odometer wheel totalization display, 360° test circle with center sweep hand, and flow finder to detect leaks. Register gearing is made of self-lubricating engineered polymer, which minimizes friction and provides long life. The multi-position register simplifies meter installation and reading. The register capacity for the 1-1/2 in., 2 in., 3 in. and 4 in. meters is 100,000,000 gallons (10,000,000 ft<sup>3</sup>, 1,000,000 m<sup>3</sup>). The register capacity for the 6 in., 8 in., and 10 in. meters is 1,000,000,000 gallons (100,000,000 ft<sup>3</sup>, 10,000,000 m<sup>3</sup>). The high-flow register capacity for the 12 in. meter is 10,000,000,000 gallons (1,000,000,000 ft<sup>3</sup>, 10,000,000 m<sup>3</sup>).

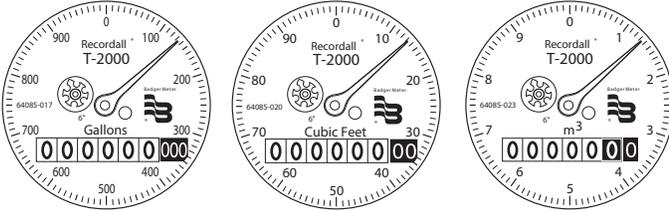
### Registers for 1-1/2 in., 2 in., 3 in. and 4 in. Meters



#### Sweep Hand Revolution

Meter Model	Gallon	Cubic Feet	Cubic Meter
160	100	10	1
200	100	10	1
450	100	10	1
1000	100	10	1

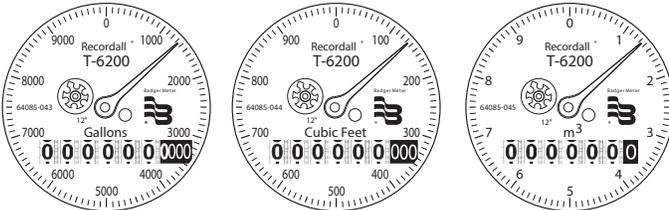
### Registers for 6 in., 8 in. and 10 in. Meters



#### Sweep Hand Revolution

Meter Model	Gallon	Cubic Feet	Cubic Meter
2000	1000	100	10
3500	1000	100	10
5500	1000	100	10

### Registers for 12 in. Meters



#### Sweep Hand Revolution

Meter Model	Gallon	Cubic Feet	Cubic Meter
6200	10000	1000	10

### Optional—Encoders for AMR/AMI Reading Solutions

AMR/AMI solutions are available for all Recordall Disc Series meters. All reading options can be removed from the meter without disrupting water service. Badger Meter encoders provide years of reliable, accurate readings for a variety of applications and are also available pre-wired to Badger Meter approved AMR/AMI solutions. See details at [badgermeter.com](http://badgermeter.com).

## PHYSICAL DIMENSIONS OF METERS WITHOUT STRAINER

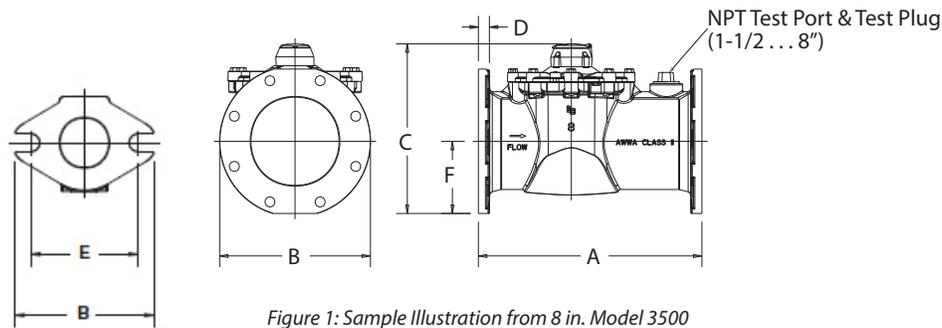


Figure 1: Sample Illustration from 8 in. Model 3500

Turbo Series Model	200	200	450	1000	2000	3500	5500	6200
<b>Meter Flanges</b>	2 in. Elliptical	2 in. Round	3 in. Round	4 in. Round	6 in. Round	8 in. Round	10 in. Round	12 in. Round
<b>Meter &amp; Pipe Size</b>	2 in. (50 mm)	2 in. (50 mm)	3 in. (80 mm)	4 in. (100 mm)	6 in. (150 mm)	8 in. (200 mm)	10 in. (250 mm)	12 in. (300 mm)
<b>Net Weight</b>	14.9 lb (6.8 kg)	17.4 lb (7.9 kg)	31 lb (14.1 kg)	40 lb (18.1 kg)	77 lb (35 kg)	123 lb (55.7 kg)	210 lb (95.3 kg)	262 lb (118.8 kg)
<b>Shipping Weight</b>	16.4 lb (7.4 kg)	18.9 lb (8.6 kg)	34 lb (15.4 kg)	45 lb (20.4 kg)	89 lb (40.4 kg)	147 lb (66.6 kg)	235 lb (106.6 kg)	286 lb (129.7 kg)
<b>Qty. of Bolts</b>	2	4	4	8	8	8	12	12
<b>NPT Test Port (optional)</b>	1-1/2 in. (40 mm)	1-1/2 in. (40 mm)	2 in. (50 mm)	2 in. (50 mm)	2 in. (50 mm)	2 in. (50 mm)	—	—
<b>Length (A)</b>	10 in. (254 mm)	10 in. (254 mm)	12 in. (305 mm)	14 in. (356 mm)	18 in. (457 mm)	20 in. (508 mm)	26 in. (660.4 mm)	19-11/16 in. (500 mm)
<b>Width (B)</b>	5-27/32 in. (148 mm)	6 in. (152 mm)	7-1/2 in. (191 mm)	9 in. (229 mm)	11 in. (280 mm)	13-1/2 in. (343 mm)	16 in. (406.4 mm)	19 in. (482 mm)
<b>Height (C)</b>	6-1/2 in. (165 mm)	7-3/32 in. (180 mm)	8-11/16 in. (220 mm)	9-21/32 in. (245 mm)	13-5/16 in. (338 mm)	15-3/16 in. (385 mm)	17-15/32 in. (443 mm)	19-11/16 in. (500 mm)
<b>Flange (D)</b>	25/32 in. (20 mm)	5/8 in. (16 mm)	3/4 in. (19 mm)	13/16 in. (21 mm)	7/8 in. (22 mm)	1 in. (25 mm)	1-1/16 in. (27 mm)	1.26 in. (32 mm)
<b>Bolt Circle (E)</b>	4-1/2 in. (114 mm)	4-3/4 in. (121 mm)	6 in. (152 mm)	7-1/2 in. (191 mm)	9-1/2 in. (241 mm)	11-3/4 in. (298 mm)	14-1/4 in. (362 mm)	17 in. (432 mm)
<b>Centerline (F)</b>	2-1/16 in. (52 mm)	2-5/8 in. (67 mm)	3-11/32 in. (85 mm)	4-5/16 in. (109 mm)	5-1/4 in. (133 mm)	6-3/8 in. (162 mm)	7-7/8 in. (199.4 mm)	8-7/8 in. (226 mm)

**PHYSICAL DIMENSIONS OF METERS WITH INTEGRAL STRAINER**

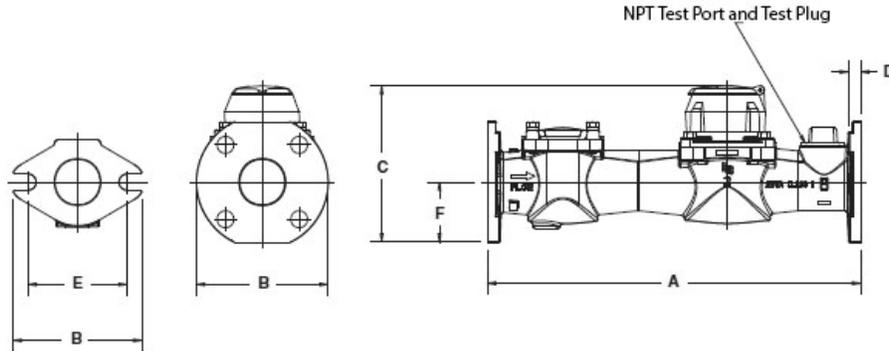
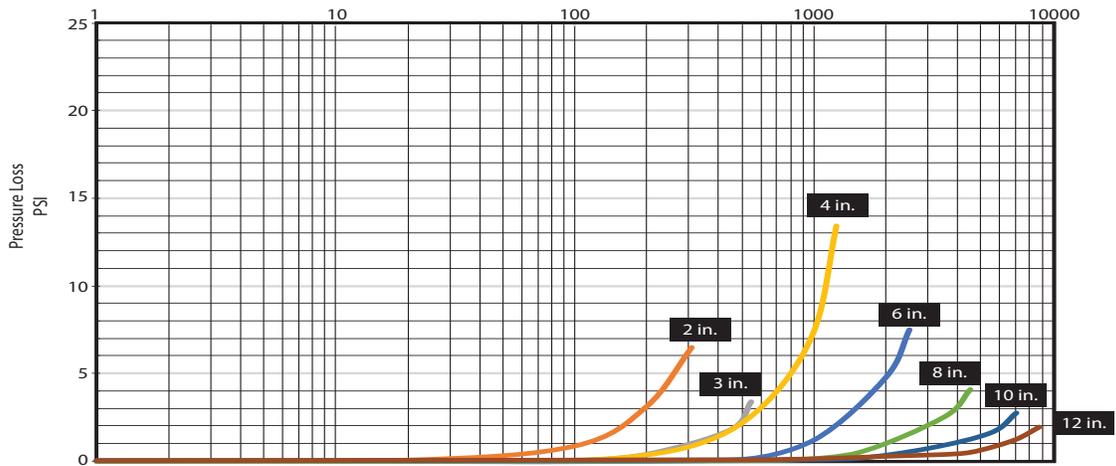


Figure 2: Physical dimensions

Turbo Series Model	160	200	200	450	1000
<b>Meter Flanges</b>	Elliptical	Elliptical	Round	Round	Round
<b>Meter &amp; Pipe Size</b>	1-1/2 in. (40 mm)	2 in. (50 mm)	2 in. (50 mm)	3 in. (80 mm)	4 in. (100 mm)
<b>Net Weight</b>	14.3 lb (6.5 kg)	24 lb (11 kg)	26 lb (12 kg)	49 lb (22 kg)	60 lb (27.22 kg)
<b>Shipping Weight</b>	16.8 lb (7.6 kg)	28 lb (13 kg)	30 lb (14 kg)	55 lb (25 kg)	70 lb (31.75 kg)
<b>Number of Bolts</b>	2	2	4	4	8
<b>NPT Test Port (Standard)</b>	1 in. (25.4 mm)	1-1/2 in. (40 mm)	1-1/2 in. (40 mm)	2 in. (50 mm)	2 in. (50 mm)
<b>Length (A)</b>	13 in. (330 mm)	17 in. (432 mm)	17 in. (432 mm)	19 in. (483 mm)	23 in. (584 mm)
<b>Width (B)</b>	5-7/32 in. (133 mm)	5-27/32 in. (148 mm)	6 in. (152 mm)	7-1/2 in. (191 mm)	9 in. (229 mm)
<b>Height (C)</b>	6-9/32 in. (159 mm)	6-1/2 in. (165 mm)	7-3/32 in. (180 mm)	8-15/16 in. (227 mm)	9-21/32 in. (245 mm)
<b>Flange (D)</b>	51/64 in. (20 mm)	27/32 in. (47 mm)	5/8 in. (16 mm)	27/32 in. (21 mm)	13/16 in. (21 mm)
<b>Bolt Circle (E)</b>	4 in. (102 mm)	4-1/2 in. (114 mm)	4-3/4 in. (121 mm)	6 in. (152 mm)	7-1/2 in. (191 mm)
<b>Centerline (F)</b>	1-27/32 in. (47 mm)	2-1/16 in. (52 mm)	2-5/8 in. (67 mm)	3-19/32 in. (91 mm)	4-5/16 in. (109 mm)

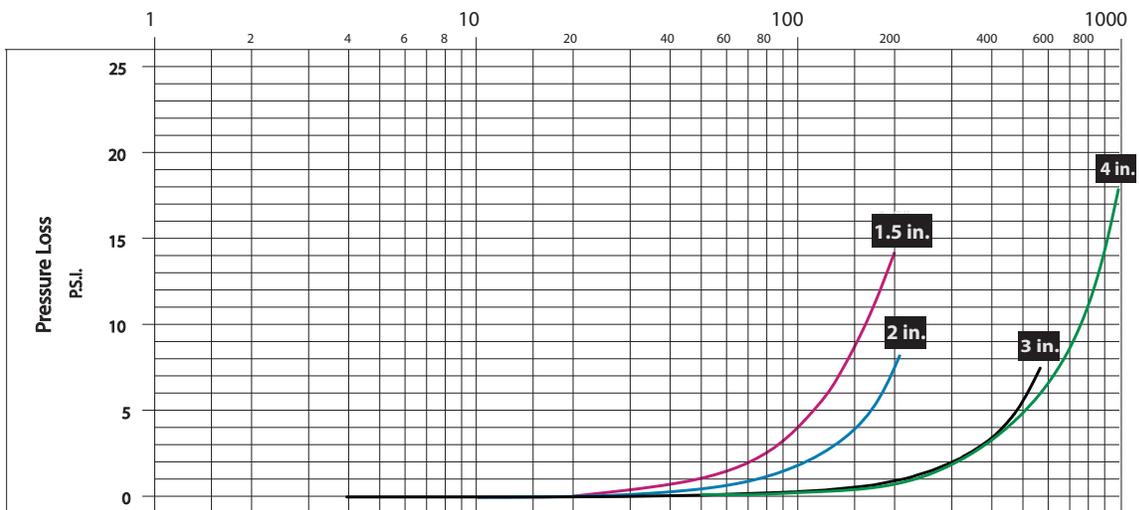
### PRESSURE LOSS CHART FOR METERS WITHOUT STRAINER

Rate of flow in gallons per minute (gpm)



### PRESSURE LOSS CHART FOR METERS WITH INTEGRAL STRAINER

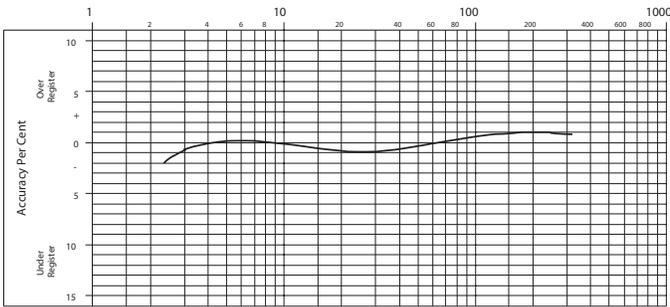
Rate of flow in gallons per minute (gpm)



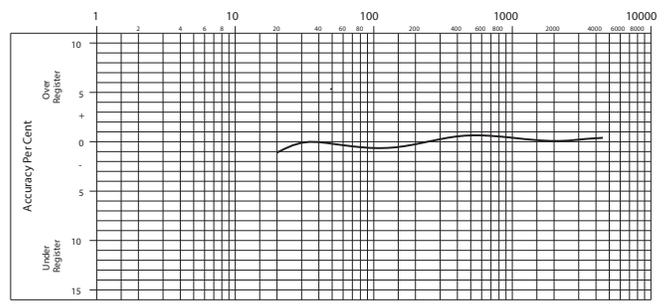
## ACCURACY CHARTS FOR METERS WITHOUT STRAINER

Rate of flow in gallons per minute (gpm)

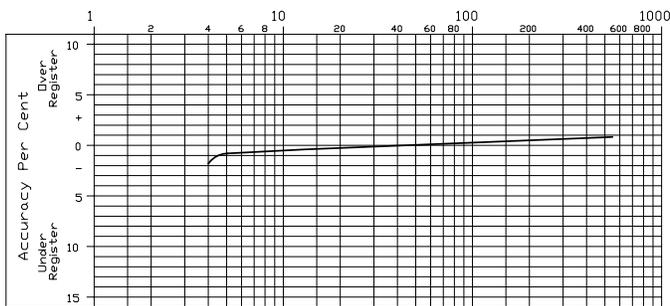
**2 in. Meter**



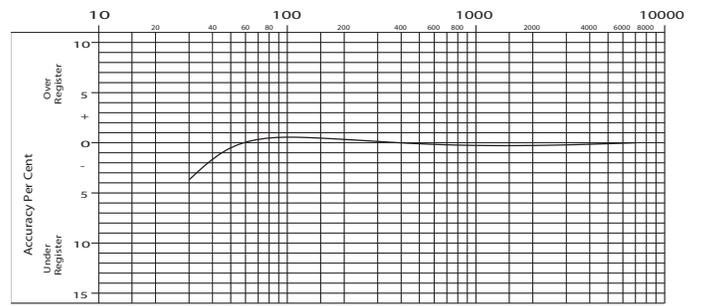
**8 in. Meter**



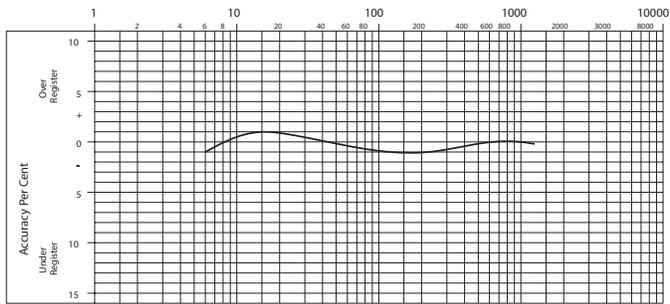
**3 in. Meter**



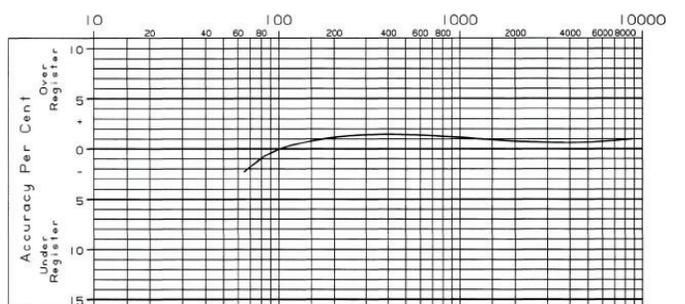
**10 in. Meter**



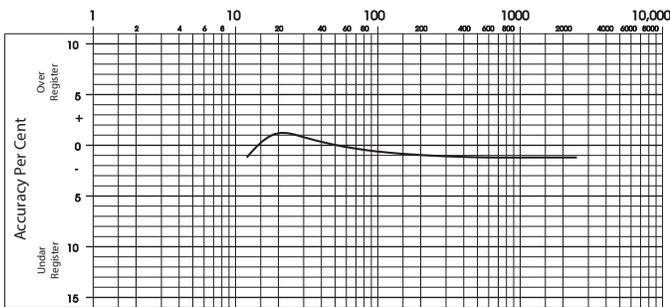
**4 in. Meter**



**12 in. Meter**



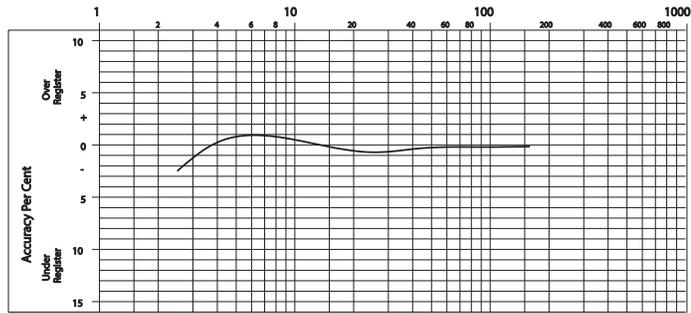
**6 in. Meter**



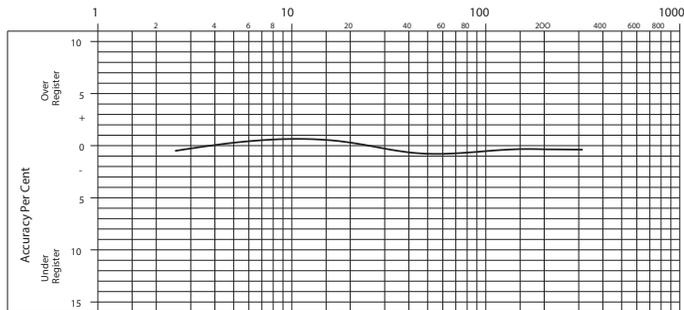
## ACCURACY CHARTS FOR METERS WITH INTEGRAL STRAINER

Rate of flow in gallons per minute (gpm)

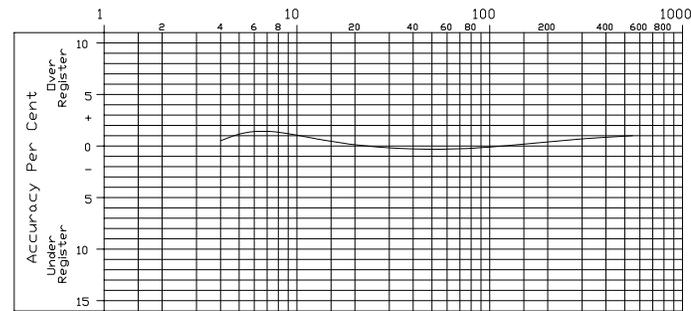
1-1/2 in. Meter



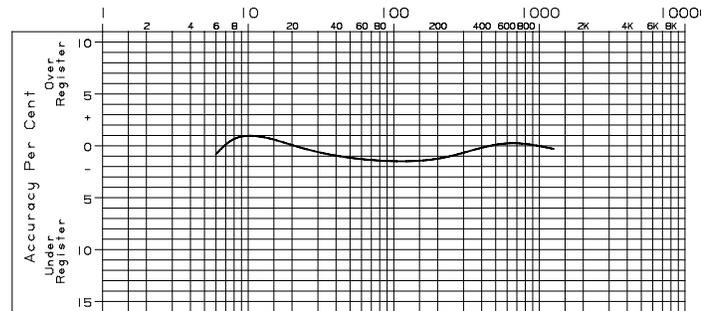
2 in. Meter



3 in. Meter



4 in. Meter



### SMART WATER IS BADGER METER

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# WARRANTY DOCUMENTATION





**Badger Meter**

## Recordall® Turbo Series Meters

### PRODUCTS COVERED

This warranty shall apply to all Recordall® Turbo Series Meters, sizes 1-1/2 through 12 inch, Turbo Series head assemblies and the local registers used with these meters (collectively "Product") sold on or after October 13, 2022. This warranty is extended only to utilities, municipalities, other commercial users and authorized Badger Meter, Inc. distributors, hereafter referred to as "Customer" and does NOT apply to consumers or any person or entity who is not an original customer of Badger Meter or its authorized distributors.

### MATERIALS AND WORKMANSHIP

Badger Meter warrants Product to be free from defects in materials and workmanship appearing within the following time frames:

#### **Bronze Housing**

One (1) year and six (6) months after shipment from Badger Meter.

#### **Local Registers Supplied with the Meters Listed Herein**

Five (5) years and six (6) months after shipment from Badger Meter.

### METER ACCURACY

The meter Product will meet or exceed accuracy standards of AWWA Standard C701 for one (1) year and six (6) months after shipment from Badger Meter.

### PRODUCT RETURNS

Any Product proved to the satisfaction of Badger Meter to have failed the foregoing warranties will, at the option of Badger Meter, be repaired or replaced without charge to the Customer. Any eligible Product repaired or replaced by Badger Meter will retain the original Product's warranty based on the original Product purchase date, at Badger Meter's sole discretion. The Badger Meter obligation hereunder shall be limited to such repair and replacement and shall be conditioned upon Badger Meter receiving written notice of any alleged defect within ten (10) days after its discovery. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Badger Meter is willing and able to replace defective products or issue a credit to purchaser within a reasonable time of proof to Badger Meter that a defect is involved. Product returns must be shipped by the Customer prepaid F.O.B. to the nearest Badger Meter factory or distribution center. The Customer shall be responsible for all direct and indirect costs associated with removing the original Product and reinstalling the repaired or replacement Product.

### LIMITS OF LIABILITY

This warranty shall not apply to Product repaired or altered by parties other than Badger Meter. The foregoing warranty applies only to the extent that the Product is installed, serviced and operated strictly in accordance with AWWA Standard C701 and AWWA M6 Manual, as applicable. The warranty shall not apply and shall be void with respect to Product exposed to conditions other than those detailed in the Badger Meter Product technical and/or operational literature, or which have been exposed to adverse installation conditions, damaged by any water conditions and/or water quality, including but not limited to foreign matter in the water such as dirt, sand, minerals, debris, deposits, biofilms, extreme corrosivity, or other impurities, or which have been subject to passage of high-speed air slugs, vandalism, negligence, accident, acts of God, alteration, improper installation, operation or repair, or other circumstances which are beyond the reasonable control of Badger Meter. With respect to Product not manufactured by Badger Meter, the warranty obligations of Badger Meter shall in all respects conform and be limited to the warranty extended to Badger Meter by the supplier.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE (except warranties of Title).

Any description of Product, whether in writing or made orally by Badger Meter or its agents, specifications, samples, models, bulletins, drawings, diagrams, engineering sheets, or similar materials used in connection with any Customer's order are for the sole purpose of identifying Product and shall not be construed as an express warranty. Any suggestions by Badger Meter or its agents regarding use, application or suitability of Product shall not be construed as an express warranty unless confirmed to be such in writing by Badger Meter.

### Exclusion of Consequential Damages and Disclaimer of Other Liability

Badger Meter liability with respect to breaches of the foregoing warranty shall be limited as stated therein. Badger Meter liability shall in no event exceed the contract price. BADGER METER SHALL NOT BE SUBJECT TO AND DISCLAIMS: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY BADGER METER, OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES WHATSOEVER.

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Jefferson Parish Purchasing Department, Purchase of Water Meters for the Jefferson Parish Westbank  
- Bid Number 50-00144741, March 14, 2024

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