

# Loxahatchee River District

Water Reclamation | Environmental Education | River Restoration

2500 Jupiter Park Drive, Jupiter, Florida 33458

Telephone (561) 747-5700 • Fax (561) 747-9929 • [www.loxahatcheeriver.org](http://www.loxahatcheeriver.org)



D. Albrey Arrington, Ph.D., Executive Director

July 3, 2019

Re: Installation of Irrigation Meter for Commercial Sewer Bill Adjustment

Dear Commercial Customer,

If you use city water for landscape irrigation you may be able to lower your sewer bill by installing a meter to document the amount of water used for irrigation purposes. If you already have a separate irrigation meter that was installed by your water provider, no additional work is necessary. If you already have a separate irrigation meter that was installed by someone other than your water provider, then you should call the Loxahatchee River District Engineering Department (561-747-5700 Ext. 4052) to schedule an inspection of the meter. If you do not have a separate irrigation meter, you should speak with your plumber and discuss the feasibility and cost of installing such a meter.

If you want to install an irrigation meter, the meter and installation must comply with the relevant permitting agency (e.g., Town of Jupiter, Village of Tequesta, Palm Beach County, Martin County). In addition, the connection between the irrigation meter and the potable water system must meet your local water provider's requirements (e.g., Town of Jupiter's Cross-Connections, Backflow Prevention and Cross-Connection Control Program).

We estimate a suitable totalizing meter (see attached for examples) will cost approximately \$160-\$300 depending on size. Installation will be additional, and your contractor must coordinate directly with your local building department and water provider to meet their requirements, schedule inspections, and gain approvals.

Once your plumber has installed the meter, you must call the Loxahatchee River District Engineering Department (561-747-5700 Ext. 4052) to schedule an inspection of the meter. Our inspection and approval is based solely on the meter functioning to record usage correctly.

Please call the Loxahatchee River District Engineering Department (561-747-5700 Ext. 4052) if you would like to discuss this further or if you have any additional questions.

Sincerely,

Kris Dean, P.E.  
Deputy Executive Director/  
Director of Engineering Services

KD/lml

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**Badger Meter**

## Recordall® Disc Series Meters

Physical and Operating Characteristics



### Recordall Disc Series Meters

Sizes	Operating Range
5/8", 5/8" x 3/4"	1/8...25 gpm
3/4", 3/4" SL, 3/4" x 1"	3/8...35 gpm
1"	1/2...55 gpm
1-1/2" ELL, ELS, HEX	1-1/4...120 gpm
2" ELL, ELS, HEX	1-1/2...170 gpm

### Features

- Meets or exceeds AWWA C700 Standard (lead-free bronze alloy) and AWWA C710 Standard (engineered polymer)
- Proven design with years of field performance
- Extended-measurement capacity while maintaining exceptional accuracy
- Interchangeability of parts within sizes
- Permanently sealed registers with tamper-resistant features
- Lower pressure loss at all flow ranges



## PHYSICAL AND OPERATING CHARACTERISTICS FOR RECORDALL® DISC SERIES METERS

Meter Model	Meter Size (Inches)	Bore Dia. (Inches)	Meter Length (Inches)		Safe Max. Oper. Capacity, GPM	Maximum Pressure Loss PSI at Rate Shown
			Thread. Spud Ends	Flange Ends		
1/2"	AWWA C710 Standards	1/2", 1/2" x 3/4"	5/8"	7-1/2"	—	15 gpm 15 psi @ 15 gpm
	Engineered polymer RCDL 25	1/2", 1/2" x 3/4"	5/8"	7-1/2"	—	25 gpm 7.4 psi @ 20 gpm
	AWWA C700 Standards	1/2", 1/2" x 3/4"	5/8"	7-1/2"	—	15 gpm 15 psi @ 15 gpm
	Lead-free bronze alloy Model LP	1/2", 1/2" x 3/4"	5/8"	7-1/2"	—	20 gpm 7.6 psi @ 20 gpm
	Lead-free bronze alloy RCDL 25	1/2", 1/2" x 3/4"	5/8"	7-1/2"	—	25 gpm 6.0 psi @ 20 gpm
5/8"	AWWA C710 Standards	5/8", 5/8" x 3/4"	5/8"	7-1/2"	—	20 gpm 15 psi @ 15 gpm
	Engineered polymer RCDL 25	5/8", 5/8" x 3/4"	5/8"	7-1/2"	—	25 gpm 7.4 psi @ 20 gpm
			3/4"			5.0 psi @ 20 gpm
	AWWA C700 Standards	5/8", 5/8" x 3/4"	5/8"	7-1/2"	—	20 gpm 15 psi @ 20 gpm
	Lead-free bronze alloy Model LP	5/8", 5/8" x 3/4"	5/8"	7-1/2"	—	20 gpm 7.6 psi @ 20 gpm
			3/4"			5.7 psi @ 20 gpm
3/4"	AWWA C700 Standards	3/4"	3/4"	9"	—	30 gpm 15 psi @ 30 gpm
	Lead-free bronze alloy RCDL 35	3/4"	3/4"	9", 7-1/2"	—	35 gpm 7.3 psi @ 30 gpm
1"	AWWA C700 Standards	1"	1"	10-3/4"	—	50 gpm 15 psi @ 30 gpm
	Lead-free bronze alloy RCDL 55	1"	1"	10-3/4"	—	55 gpm 5.3 psi @ 50 gpm
	Lead-free bronze alloy RCDL 70	1"	1"	10-3/4"	—	70 gpm 6.5 psi @ 50 gpm
1-1/2"	AWWA C700 Standards	1-1/2"	1-1/2"	12-5/8"	13"	100 gpm 15 psi @ 100 gpm
	Lead-free bronze alloy RCDL 120	1-1/2"	1-1/2"	12-5/8"	12-5/8", 13"	120 gpm 7.3 psi @ 100 gpm
2"	AWWA C700 Standards	2"	2"	15-1/4"	17"	160 gpm 15 psi @ 160 gpm
	Lead-free bronze alloy RCDL 170	2"	2"	15-1/4"	15-1/4", 17"	170 gpm 8.6 psi @ 160 gpm

Recommended Max Continuous Flow		Minimum Test Flow Rate GPM & Accuracy Percent	98.5/101.5% Accuracy At Normal Flow Limits, GPM	Maximum Nutations		Housing Material Main Case
				Per Gallon	Per Cu Ft	
1/2"	7.5 gpm	95% @ 1/4 gpm	1...15 gpm	87.5	657	Engineered polymer
	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Engineered polymer
	7.5 gpm	95% @ 1/4 gpm	1...15 gpm	87.5	87.5	Engineered polymer
	10 gpm	95% @ 1/4 gpm	1/2...20 gpm	57.4	429.3	Lead-free bronze alloy
	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Lead-free bronze alloy
5/8"	10 gpm	95% @ 1/4gpm	1...20 gpm	58	435	Engineered polymer
	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Engineered polymer
	10 gpm	95% @ 1/4 gpm	1...20 gpm	58	435	Lead-free bronze alloy
	10 gpm	95% @ 1/4 gpm	1/2...20 gpm	57.4	429.3	Lead-free bronze alloy
	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Lead-free bronze alloy
3/4"	15 gpm	95% @ 1/2 gpm	2...30 gpm	33.3	250	Lead-free bronze alloy
	25 gpm	97% @ 3/8 gpm	3/4...35 gpm	31.6	236.8	Lead-free bronze alloy
1"	25 gpm	95% @ 3/4 gpm	3...50 gpm	15.3	115	Lead-free bronze alloy
	25 gpm	95% @ 1/2 gpm	1...55 gpm	14.5	108.9	Lead-free bronze alloy
	40 gpm	95% @ 3/4 gpm	1-1/4...70 gpm	11.7	87.5	Lead-free bronze alloy
1-1/2"	50 gpm	95% @ 1-1/2 gpm	5...100 gpm	6.7	50	Lead-free bronze alloy
	80 gpm	95% @ 1/4 gpm	2-1/2...120 gpm	5.97	44.63	Lead-free bronze alloy
2"	80 gpm	95% @ 2 gpm	8...160 gpm	4	30	Lead-free bronze alloy
	100 gpm	95% @ 1-1/2 gpm	2-1/2...170 gpm	3.64	27.2	Lead-free bronze alloy



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**The Americas | Badger Meter** | 4545 West Brown Deer Rd | PO Box 245036 | Milwaukee, WI 53224-9536 | 800-876-3837 | 414-355-0400  
**México | Badger Meter de las Américas, S.A. de C.V.** | Pedro Luis Ogazón N 32 | Esq. Angelina N 24 | Colonia Guadalupe Inn | CP 01050 | México, DF | México | +52-55-5662-0882  
**Europe, Middle East and Africa | Badger Meter Europa GmbH** | Riedstrasse 10 | 40699 Düsseldorf | Germany | +49-212-2444-0  
**Czech Republic | Badger Meter Czech Republic s.r.o.** | Rákosinská 109/B | 130 00 Praha 3 | Czech Republic | +420-2-44638301  
**Slovakia | Badger Meter Slovakia s.r.o.** | Rákosinská 109/B | 831 02 Bratislava, Slovakia | +421-2-44638301  
**Asia Pacific | Badger Meter** | 80 Marine Parade Rd | 21-04 Parkway Parade | Singapore 449269 | +65-63464836  
**China | Badger Meter** | 7-1202 | 99 Hangzhong Road | Minhang District | Shanghai | China 201101 | +86-21-57635412

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