



Badger Meter

Recordall® Disc Series Meters

Physical and Operating Characteristics



Recordall Disc Series Meters

Sizes	Operating Range
5/8 in., 5/8 x 3/4 in.	1/4...25 gpm
3/4 in., 3/4 in. SL, 3/4 x 1 in.	3/8...35 gpm
1 in.	1/2...55 gpm
1-1/2 in. ELL, ELS, HEX	1-1/4...120 gpm
2 in. 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 (in.)	Bore Dia. (in.)	Meter Length (Inches)		Safe Max. Oper. Capacity, GPM	Maximum Pressure Loss PSI at Rate Shown
				Thread. Spud Ends	Flange Ends		
1/2 in.	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 RCDL 25	1/2, 1/2 x 3/4	5/8	7-1/2	—	25 gpm	6.0 psi @ 20 gpm
5/8 in.	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 in.	7-1/2	—	20 gpm	15 psi @ 20 gpm
	Lead-free bronze alloy RCDL 25	5/8, 5/8 x 3/4	5/8	7-1/2	—	25 gpm	6.0 psi @ 20 gpm
			3/4				4.9 psi @ 20 gpm
3/4 in.	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 in.	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 in.	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 in.	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

Meter Model		Recommended Max Continuous Flow	Minimum Test Flow Rate Accuracy Percent & GPM	98.5/101.5% Accuracy At Typical Operating Range, GPM	Maximum Nutations		Housing Material Main Case
					Per Gallon	Per Cu Ft	
1/2 in.	AWWA C710 Standards	7.5 gpm	95% @ 1/4 gpm	1...15 gpm	87.5	657	Engineered polymer
	Engineered polymer RCDL 25	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Engineered polymer
	AWWA C700 Standards	7.5 gpm	95% @ 1/4 gpm	1...15 gpm	87.5	87.5	Engineered polymer
	Lead-free bronze alloy RCDL 25	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Lead-free bronze alloy
5/8 in.	AWWA C710 Standards	10 gpm	95% @ 1/4 gpm	1...20 gpm	58	435	Engineered polymer
	Engineered polymer RCDL 25	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Engineered polymer
	AWWA C700 Standards	10 gpm	95% @ 1/4 gpm	1...20 gpm	58	435	Lead-free bronze alloy
	Lead-free bronze alloy RCDL 25	15 gpm	98.5% @ 1/4 gpm	1/2...25 gpm	49.59	370.9	Lead-free bronze alloy
3/4 in.	AWWA C700 Standards	15 gpm	95% @ 1/2 gpm	2...30 gpm	33.3	250	Lead-free bronze alloy
	Lead-free bronze alloy RCDL 35	25 gpm	97% @ 3/8 gpm	3/4...35 gpm	31.6	236.8	Lead-free bronze alloy
1 in.	AWWA C700 Standards	25 gpm	95% @ 3/4 gpm	3...50 gpm	15.3	115	Lead-free bronze alloy
	Lead-free bronze alloy RCDL 55	25 gpm	95% @ 1/2 gpm	1...55 gpm	14.5	108.9	Lead-free bronze alloy
	Lead-free bronze alloy RCDL 70	40 gpm	95% @ 3/4 gpm	1-1/4...70 gpm	11.7	87.5	Lead-free bronze alloy
1-1/2 in.	AWWA C700 Standards	50 gpm	95% @ 1-1/2 gpm	5...100 gpm	6.7	50	Lead-free bronze alloy
	Lead-free bronze alloy RCDL 120	80 gpm	95% @ 1-1/4 gpm	2-1/2...120 gpm	5.97	44.63	Lead-free bronze alloy
2 in.	AWWA C700 Standards	80 gpm	95% @ 2 gpm	8...160 gpm	4	30	Lead-free bronze alloy
	Lead-free bronze alloy RCDL 170	100 gpm	95% @ 1-1/2 gpm	2-1/2...170 gpm	3.64	27.2	Lead-free bronze alloy

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