

OVERVIEW

These are parts used to repair 1.5" and larger water meters. The measuring chamber is the part of the meter that determines how much water is used. All new meters are digital, so the batteries are starting to reach their "End of Life" and are needing to be replaced in order to keep billing the customer.

Pictures are attached.

ITEM NO.	ITEM DESCRIPTION	ESTIMATED ANNUAL NUMBER OF UNITS	UNIT	UNIT PRICE	EXTENDED AMOUNT
36.	Cold Water Meter, 1 1/2 inch, Measuring Chamber Assembly (MCA) for OMNI C2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIC2-15</u> Model and/or Identification Number	100	EA	\$ <u>905.00</u>	\$ <u>90,500.00</u>
37.	Cold Water Meter, 2 inch, Measuring Chamber Assembly (MCA) for OMNI C2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIC2-20</u> Model and/or Identification Number	100	EA	\$ <u>925.00</u>	\$ <u>92,500.00</u>
38.	Cold Water Meter, 3 inch, Measuring Chamber Assembly (MCA) for OMNI C2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIC2-30</u> Model and/or Identification Number	75	EA	\$ <u>1,325.00</u>	\$ <u>99,375.00</u>
39.	Cold Water Meter, 4 inch, Measuring Chamber Assembly (MCA) for OMNI C2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIC2-40</u> Model and/or Identification Number	50	EA	\$ <u>1,350.00</u>	\$ <u>67,500.00</u>
40.	Cold Water Meter, 6 inch, Measuring Chamber Assembly (MCA) for OMNI C2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIC2-60</u> Model and/or Identification Number	1	EA	\$ <u>2,600.00</u>	\$ <u>2,600.00</u>

41.	Cold Water Meter, 8 inch, Measuring Chamber Assembly (MCA) for OMNI C2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIC2-80</u> Model and/or Identification Number	1	EA	\$ <u>2,800.00</u>	\$ <u>2,800.00</u>
42.	Cold Water Meter, 4 inch, Measuring Chamber Assembly (MCA) for OMNI F2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIF2-40</u> Model and/or Identification Number	1	EA	\$ <u>1,450.00</u>	\$ <u>1,450.00</u>
43.	Cold Water Meter, 6 inch, Measuring Chamber Assembly (MCA) for OMNI F2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIF2-60</u> Model and/or Identification Number	20	EA	\$ <u>2,800.00</u>	\$ <u>56,000.00</u>
44.	Cold Water Meter, 8 inch, Measuring Chamber Assembly (MCA) for OMNI F2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIF2-80</u> Model and/or Identification Number	20	EA	\$ <u>3,100.00</u>	\$ <u>62,000.00</u>
45.	Cold Water Meter, 10 inch, Measuring Chamber Assembly (MCA) for OMNI F2, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>MCA-OMNIF2-100</u> Model and/or Identification Number	1	EA	\$ <u>3,100.00</u>	\$ <u>3,100.00</u>
46.	5 foot TouchRead Pit Lid touch sensor wire for replacement on Sensus meters to FlexNet Transmitter. Potted Sensus TRPL – 3 wire connector, per attached specifications: <u>Sensus</u>	2000	EA	\$ <u>17.50</u>	\$ <u>35,000.00</u>

	Manufacturer's Name <u>WP-TRPL-5-WIRE</u> Model and/or Identification Number				
47.	Cold Water Meter, 1 ½ inch, UltraSonic, with integrated pressure sensor, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>WM-CORD-15-1G</u> Model and/or Identification Number	10	EA	\$ <u>2,150.00</u>	\$ <u>21,500.00</u>
48.	Cold Water Meter, 2 inch, UltraSonic, with integrated pressure sensor, per attached specifications: <u>Sensus</u> Manufacturer's Name <u>WM-CORD-20-1G</u> Model and/or Identification Number	10	EA	\$ <u>2,300.00</u>	\$ <u>23,000.00</u>
49.					
50.					
51.					
52.					
53.					
54.					

Modification to AWWA Standards C-702 for Cold Water Meters – Compound Standard

(Item Nos. 5 through 10)

A. MATERIALS (Bidder State Compliance in boxes below):

1. Meters shall have Flange Gaskets, Nuts and Bolts. 1 ½” and 2” Meters shall have elliptical flanges with phonographic finish. Gaskets for 1 ½” and 2” meters shall be 1/8” drop in style red rubber. All other sizes shall include full faced red rubber. Nuts and bolts shall be stainless steel.

Yes ☐ No ☐

2. The meter main case shall be of epoxy coated ductile iron composition or stainless steel. The epoxy coating shall be provided as standard fusion-bonded and adhere to NSF 61 for no-lead regulation compliance.

Yes ☐ No ☐

B. DETAIL DESIGN (Bidder State Compliance in boxes below):

1. Tapped Bosses shall be provided including a 6-inch threaded brass nipple and lockable brass ball valve the same size as the outlet.

Yes ☐ No ☐

2. The register shall come pre-wired to a touch sensor. Pre-wired waterproof connections shall be epoxy potted by the manufacturer at both ends, the register and touch pad. The connecting wire shall be 20 feet long for 1/2” and larger size meters. The electronic read register shall have 8 reading wheels and read for billing in 1 Gallon units for 1 ½” thru 3” and 10 G units for 4” and larger sizes and shall be capable reading all 8 reading wheels.

Yes ☐ No ☐

3. All registers shall be hermetically sealed with a special triple moisture barrier to prevent internal fogging. Registers shall be guaranteed against defects in materials and workmanship for a period of at least 10 years.

Yes ☐ No ☐

4. All registers shall have factory programmed identification numbers to assure positive matching of the meter readings with the correct account number. All ID numbers must be unique and shall never be repeated. All registers shall be totally compatible with DeKalb County’s existing Touch-Read, RadioRead and Flex-Net AMI Meter Reading Equipment.

Yes ☐ No ☐

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5. All registers shall have a Test Mode where the register reads water throughput to two decimal places and can be reset to zero between test cycles.

Yes ☐ No ☐

All registers shall have a Data Logging Mode wherein 35 days of hourly minimum and maximum flow rate in GPM – and consumption in Gallons can be retrieved by non-technical personnel. Both Graphical and Tabular data shall be available.

Yes ☐ No ☐

7. All registers shall provide a programmable electronic pulse output signal.

Yes ☐ No ☐

8. All registers shall be totally compatible with DeKalb County’s existing Touch-Read, Radio-Read and Flex-Net AMI Meter Reading Equipment.

Yes ☐ No ☐

9. All meter registers shall read as shown in the chart below.

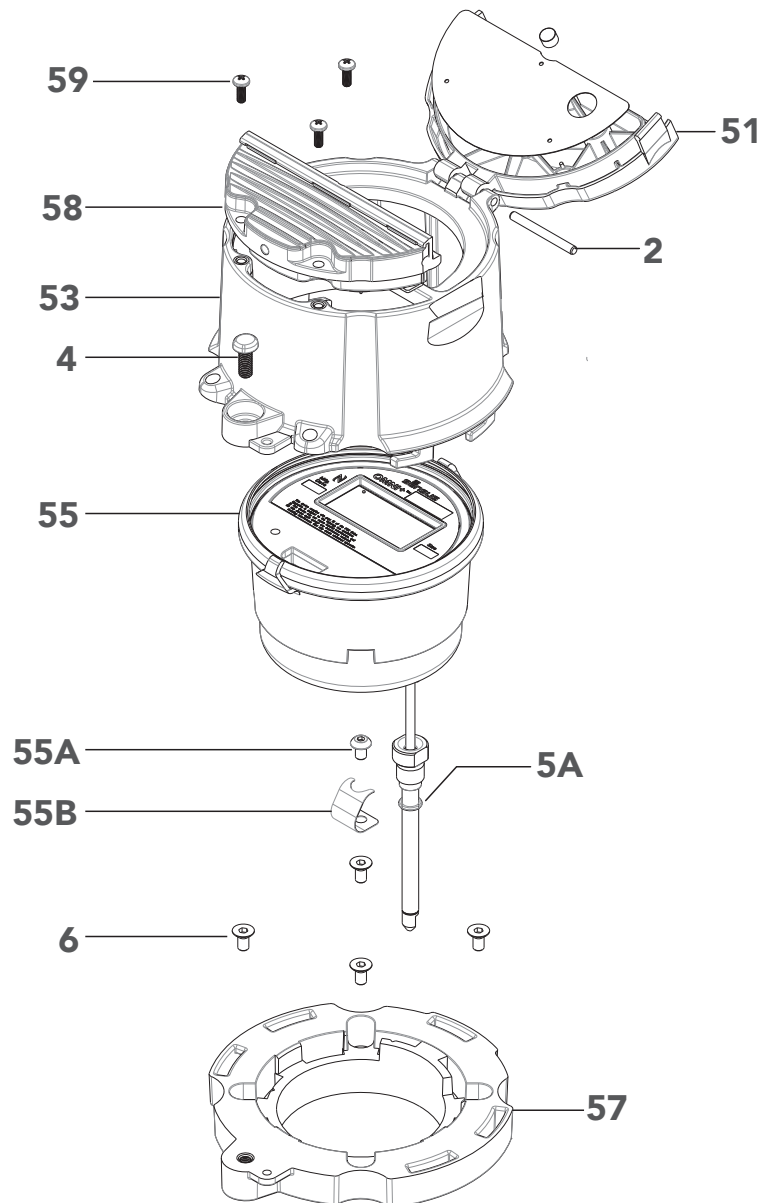
OMNI™ C²: 1-1/2", 2", 3", 4", 6", 8" and 10"

Parts List



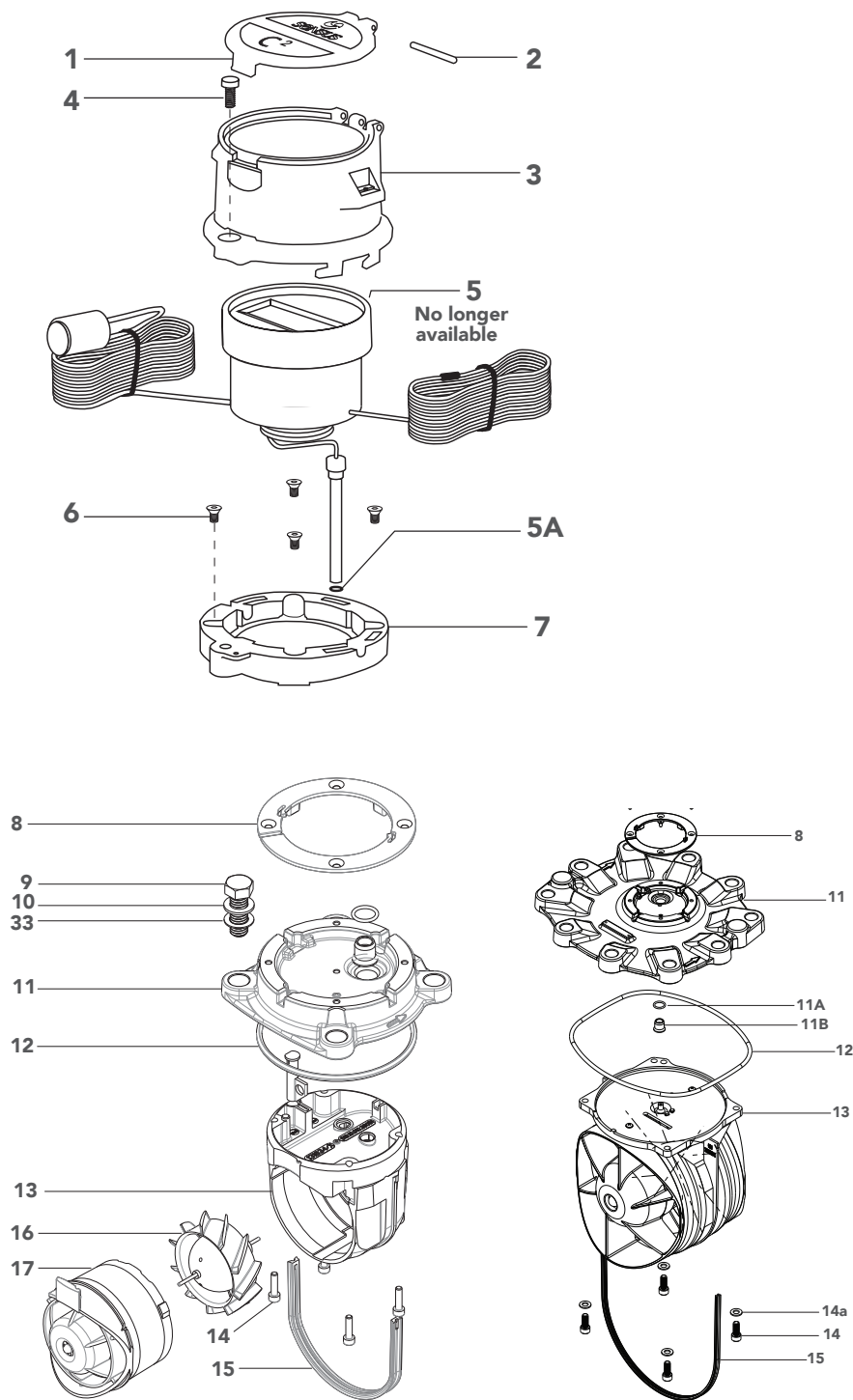
OMNI™+ ADVANCED EREGISTER

Illustration #	Name of Part
2	Hinge pin
4	Bonnet seal screw
5A	Register pick-up probe O-ring
6	Locking ring screw
51	C ² OMNI+ bonnet lid
53	OMNI+ bonnet
55	OMNI+ register
55A	Screw, spring hold down
55B	Spring
57	OMNI+ locking ring
58	OMNI+ optical adapter
59	OMNI+ optical adapter screw



OMNI C²: 1-1/2", 2", 3", 4", 6", 8" and 10"

Parts List



ORIGINAL OMNI REGISTER

Illustration #	Name of Part
1	C ² OMNI bonnet lid
2	Hinge pin
3	Bonnet ¹
4	Bonnet seal screw
5A	Register pick-up probe O-ring
6	Locking ring screw
7	Locking ring

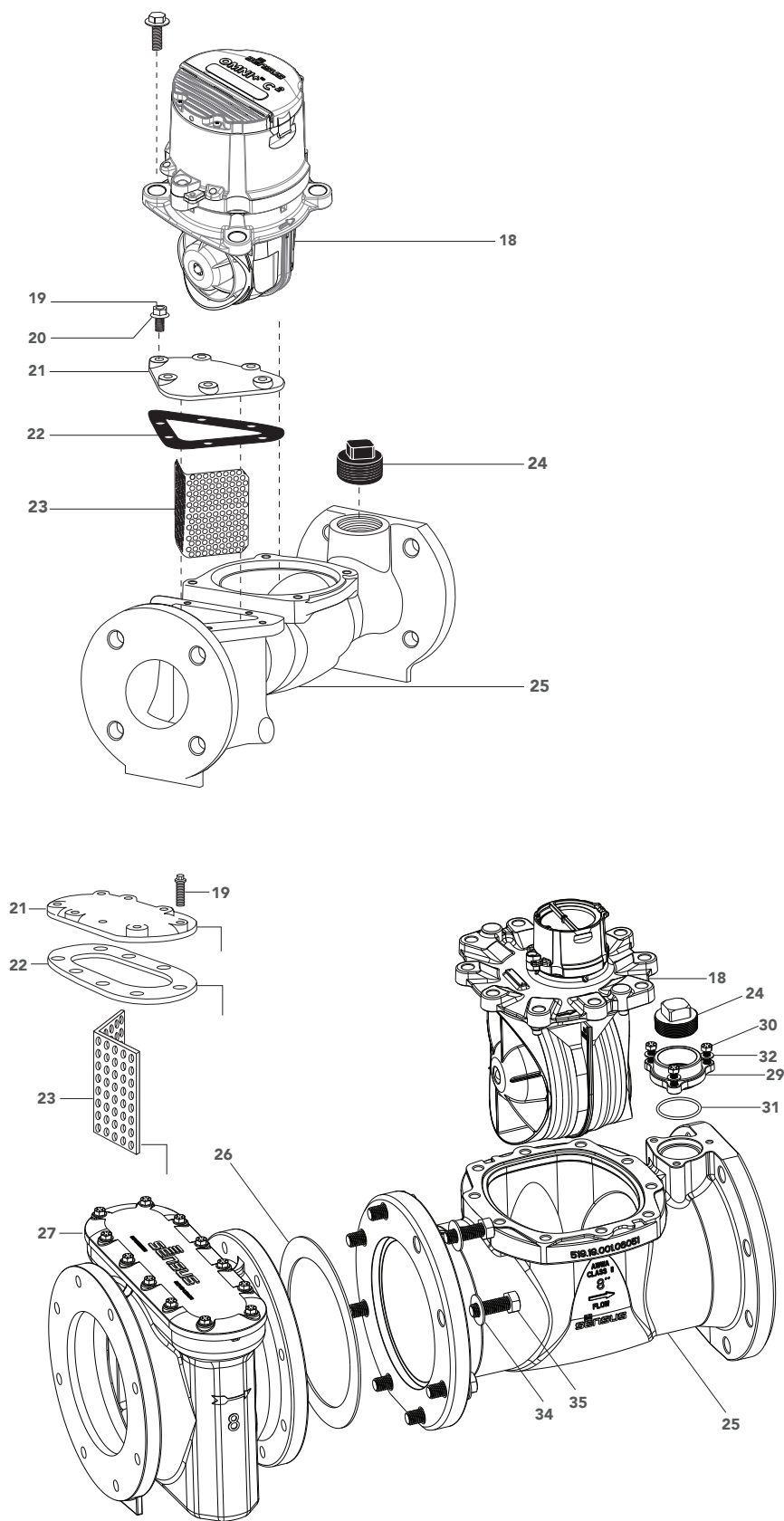
¹ For 3" or 4" C² rotor/bonnet replacement, order either for the 3" meter size or 4" meter size (see size on front of register bonnet).

CHAMBER ASSEMBLY

Illustration #	Name of Part
8	Fixing ring
9	Chamber cover bolt
10	Bonnet seal screw
11	Chamber cover
11A	O-ring
11B	Bushing
12	Chamber cover O-ring
13	Measuring insert
14	Measuring insert screw
14A	Fiat washer
15	Chamber seal gasket (not required on 10")
16	C ² rotor
17	C ² balance plate
33	Chamber cover washer - black nylon

OMNI C²: 1-1/2", 2", 3", 4", 6", 8" and 10"

Parts List



MAIN CASE AND STRAINER

Illustration #	Name of Part
18	Measuring chamber
19	Strainer cover cap screw
20	Strainer cover bolt washer
21	Strainer cover
22	Strainer cover gasket
23	Strainer screen
24	Test plug
25	C ² maincase
27	Strainer body
28	Test port cap (not shown)
29	Test port cap adapter
30	Test port cap screws
31	Test port O-ring
32	Test port washer
34	Chamber cover washer - black nylon
35	Chamber cover bolt



[Xylem.com](https://www.xylem.com) | [Sensus.com](https://www.sensus.com)

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