

# JL® SERIES METERS



When long meter life, low maintenance and highest accuracy are needed in a totalizing water meter, Carlon's JL line of positive displacement meters are what you need. The JL line has a well deserved reputation for excellence in the world of commercial, municipal, and residential water meters. The JL meter is available in sizes from 1/2" to 2" and operates at flow rates up to 160 GPM and pressures of 150 psi. These ratings are well beyond what you will encounter for your commercial, municipal, and residential metering needs. All of Carlon's bronze housing JL meters meet or exceed AWWA specifications.



1710 EATON DRIVE • GRAND HAVEN, MICHIGAN 49417

PHONE (616) 842-0420 • FAX (616) 842-1265

E-MAIL [CARLON@CARLONMETER.COM](mailto:CARLON@CARLONMETER.COM) • [WWW.CARLONMETER.COM](http://WWW.CARLONMETER.COM)

## METER SELECTION CHART

METER/PIPE SIZE	MODEL	*CONTINUOUS FLOW	FLOW RANGE	WEIGHT	LENGTH	HEIGHT	WIDTH	CONNECTION LENGTH [X2]
5/8 X 1/2" thd	625JL	10 GPM	1/4 - 20 GPM	4.4 lbs.	7 1/2	5 1/2	4 3/4	2 3/8
5/8 X 3/4" thd	6251JL	10 GPM	1/4 - 20 GPM	4.4 lbs.	7 1/2	5 1/2	4 3/4	2 1/2
3/4 X 3/4" thd	750JL	15 GPM	3/4 - 30 GPM	4.7 lbs.	9	5 7/8	4 3/4	2 1/2
1" thd	1000JL	25 GPM	3/4 - 50 GPM	8.4 lbs.	10 3/4	5 7/8	5 9/16	2 5/8
1 1/2" flg	150JLF	50 GPM	2 - 100 GPM	31 lbs.	13	6 11/16	7 9/16	n/a
1 1/2" thd	150JLS	50 GPM	2 - 100 GPM	28 lbs.	12 5/8	6 11/16	7 9/16	2 27/32
2" flg	200JLF	80 GPM	2 - 160 GPM	48 lbs.	17	7 1/4	8 3/4	n/a
2" thd	200JLS	80 GPM	2 - 160 GPM	41 lbs.	15 1/4	7 1/4	8 3/4	3 1/32

An 'S' denotes threaded ends and an 'F' denotes flanged ends.

\*The size of meter selected should be based upon continuous flow, GPM, as opposed to pipe size. For example, if it is determined that continuous flow is 25 GPM, a 1" meter should be selected rather than a 3/4" meter.

**ORDERING INFORMATION:** Select the meter model number from the Meter Selection Chart above. Add a G for gallon reading or a C for cubic feet reading (call factory for other register reading abbreviations). Example: 1 1/2" meter, flanged type, with cubic feet register = 150JLFC.

If a remote reader is required with the meter, add an R to the model number after the JL designation, and then follow the instructions above to complete the part number. Example: 1 1/2" meter with remote reader, flanged type, with cubic feet register = 150JLRFC.

### SPECIFICATIONS

**Meter Connection:** Carlon will supply connections with all JL meter orders.

**Pressure rating:** Do not exceed 150 psi.

**PH Level Range:** 6.5 - 8.0

**Temperature Range:** Protect the meter from freezing and from temperatures in excess of 105 °F.

**Accuracy:** +/- 1.5% of maximum flow when operating between minimum and maximum flow range

**Register Options:** U.S. Gallons, cubic feet, metric.

#### Installation Instructions:

1. Flush the line thoroughly after all plumbing changes to prevent contaminants from entering the meter.
2. Install horizontally with the register facing up and inlet port facing the water supply line.
3. For outdoor installation, protect meter from direct exposure to the elements.
4. Protect meter from backflow of water opposite of indicated flow direction.

**Warranty:** Carlon warrants its products to be free of defect in material or workmanship for a period of twelve months from the date of purchase. Contact us to obtain a copy of our complete statement of warranty.

#### Helpful Hints:

1. Install a Carlon Slow-Closing Valve downstream of your water meter.  
This will eliminate possible meter damage from water hammer in your system.
2. Install a Carlon Strainer upstream of your water meter to protect the meter and any other in-line process equipment from becoming jammed by particulate matter in your system.

**Additional Information:** If you require additional information, visit us online at [www.carlonmeter.com](http://www.carlonmeter.com)