

JSJ(RS)[®] METERS

w/Reed Switch Design



Carlton JSJ(RS)[®] electric contacting positive displacement meters with a **Reed Switch** designed register are manufactured for applications that require low contact settings combined with excellent reliability and accuracy. Our magnetic drive, oscillating piston, dry contact design sets this meter apart from the competitor's multi-jet designs. Used in conjunction with Carlton timers and controllers, our JSJ(RS)[®] meters, manufactured in stainless steel for sizes up to 1" and leaded bronze for sizes 1½" & 2", allow you to customize a system allowing strict control over your critical cooling tower, boiler, water softener regeneration or any chemical treatment application you require. Carlton JSJ(RS)[®] meters meet or exceed AWWA specifications.



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METER SELECTION CHART

METER/PIPE SIZE	MODEL	*CONTINUOUS FLOW	FLOW RANGE	WEIGHT	LENGTH	HEIGHT	WIDTH
5/8" X 1/2"	JSJ(RS)062	10 GPM	1/4 - 20 GPM	4.5 lbs.	7 1/2"	5 1/2"	4 3/4"
5/8" X 3/4"	JSJ(RS)0621	10 GPM	1/4 - 20 GPM	4.5 lbs.	7 1/2"	5 1/2"	4 3/4"
3/4" X 3/4"	JSJ(RS)075	15 GPM	1/2 - 30 GPM	5.5 lbs.	9"	5 5/8"	4 3/4"
1"	JSJ(RS)100	25 GPM	3/4 - 50 GPM	9.0 lbs.	10 3/4"	6 1 1/16"	5 9/16"
1 1/2"	JSJ(RS)150	50 GPM	2 - 100 GPM	25.0 lbs.	12 5/8"	7 1/4"	7 9/16"
2"	JSJ(RS)200	80 GPM	2 - 160 GPM	38.0 lbs.	15 1/4"	7 1/4"	8 3/4"

***Continuous Flow:** 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 35 GPM, a 1" meter should be selected rather than a 3/4" meter.

ORDERING INFORMATION: Specify model number shown followed by choice of contact pulse setting desired.

Example: 3/4" meter, 3/4" pipe size, 1 gallons per contact = JSJ05/8" X 3/4"75-1 GPC.

X = AVAILABLE CONTACT SETTINGS

(All contact settings are pre-set at the factory to your specification)

GPC = Gallons Per Contact • LPC = Liters Per Contact • CFPC=Cubic Feet Per Contact

METER SIZE	.1 GPC	.25 GPC	.5 GPC	1 GPC	2.5 GPC	5 GPC	10 GPC	25 GPC	50 GPC	100 GPC	250 GPC	500 GPC	1000 GPC
5/8" X 1/2"	X	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
5/8" X 3/4"	X	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
3/4" X 3/4"	X	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
1"	X	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
1 1/2"	N/A	N/A	N/A	N/A	N/A	X	X	X	X	X	X	X	X
2"	N/A	N/A	N/A	N/A	N/A	X	X	X	X	X	X	X	X

METER SIZE	.025 CFPC	.05 CFPC	.1 CFPC	.25 CFPC	.5 CFPC	1 CFPC	2.5 CFPC	5 CFPC	10 CFPC	25 CFPC	50 CFPC	100 CFPC
5/8" X 1/2"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
5/8" X 3/4"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
3/4" X 3/4"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
1"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
1 1/2"	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X
2"	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X

METER SIZE	.25 LPC	.5 LPC	1 LPC	2.5 LPC	5 LPC	10 LPC	25 LPC	50 LPC	100 LPC	250 LPC	500 LPC	1000 LPC
5/8" X 1/2"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
5/8" X 3/4"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
3/4" X 3/4"	X	X	X	X	X	X	X	X	X	N/A	N/A	N/A
1"	X	X	X	X	X	X	X	X	X	X	X	X
1 1/2"	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X
2"	N/A	N/A	N/A	X	X	X	X	X	X	X	X	X

SPECIFICATIONS

Main Case:	5/8" – 1" 304 Stainless Steel / 1 1/2" – 2" Leaded Bronze
Register Output:	Dry contact Reed Switch type, normally open, 24V, 100mA maximum
Pressure Rating:	30 - 150 psi.
Temperature Range:	35° - 105°F. Protect the meter from freezing.
PH Level Range:	6.5 – 8.0
Accuracy:	+/- 1.5% of maximum flow when operating between minimum and maximum flow range.
Register Options:	U.S. Gallons, Cubic Feet and Liters

Helpful Hints:

- All values used in a water line need to be operated slowly, and all electrically actuated valves should be slow closing. This will eliminate possible meter damage from water hammer in your system. Carlon offers an excellent slow closing ball valve (SCBV).
- Install a strainer upstream of your water meter to protect the meter and any other in-line process equipment from becoming jammed by particulate matter.

Warranty: Carlon Meter, Inc. 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.