

# MRS®

## INDUSTRIAL METERS



Carlton MRS® industrial electric contacting multi-jet meters are an economical answer for industrial applications needing good tolerance to contaminants, an electrical output signal and total volume registration. With an easy to read register display, the MRS® water meter is designed with reliability and affordability in mind. Used in conjunction with any of Carlton's timers and controls; you can create a customized system specific to your application requirements. The MRS® meter is available in sizes from ¾" to 2". Carlton's MRS® Industrial meters meet or exceed AWWA specifications.

### NOTICE



INTENDED FOR



INDUSTRIAL USE **ONLY**

**DO NOT** USE WITH WATER FOR HUMAN CONSUMPTION



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## METER SELECTION CHART

METER / PIPE SIZE	MODEL	*CONTINUOUS FLOW	FLOW RANGE	LENGTH	HEIGHT	WIDTH	CONNECTION LENGTH (X2)
5/8" X 3/4"	750MRS	10 GPM	1/4 - 20 GPM	7 1/2"	4 1/8"	3 5/8"	2"
3/4" X 3/4"	7575MRS	15 GPM	1/2 - 30 GPM	7 1/2"	4 3/4"	3 5/8"	2"
1"	1000MRS	25 GPM	3/4 - 50 GPM	10 3/4"	4 1/2"	4"	2 1/4"
1 1/2"	150MRS	50 GPM	1 1/2 - 100 GPM	11 7/8"	6"	5"	2 3/8"
2"	200MRS	80 GPM	2 - 160 GPM	11 7/8"	7"	6 1/2"	2 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 25 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.

Add a **G** for Gallon reading or an **L** for Liters reading (*call factory for Cubic Feet registers available*).

Example: 1 1/2" meter with gallon register and 10 gallons per contact = 150MRS-10 GPC.

### X = AVAILABLE CONTACT SETTINGS

(All contact settings are pre-set at the factory to your specification – call for available Cubic Feet contact settings.)

GPC = Gallons Per Contact • LPC = Liters Per Contact • CFPC = Cubic Feet Per Contact (*Available upon request*)

METER / PIPE SIZE	MODEL	0.1 GPC	1 GPC	10 GPC	100 GPC	1 LPC	10 LPC	100 LPC	1000 LPC
5/8" X 3/4"	750MRS	X	X	X	X	X	X	X	X
3/4" X 3/4"	7575MRS	N/A	X	X	X	X	X	X	X
1"	1000MRS	N/A	X	X	X	N/A	X	X	X
1 1/2"	150MRS	N/A	X	X	X	N/A	X	X	X
2"	200MRS	N/A	X	X	X	N/A	X	X	X

## MRS® METER SPECIFICATIONS

**Reed Switch:** Dry contact type, normally open, 24V, 100mA maximum

**Pressure Rating:** Maximum 150 psi.

**Temperature Range:** 35° - 122°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, Liters (*consult factory regarding Cubic Feet register options*).

### 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.

### 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.

**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.