



## WM-NLD Series Lead Free Brass Positive Displacement Water Meters



The WM-NLD is a positive displacement meter that is suitable for use on potable drinking water systems. The meters have a low starting flow rate and excellent accuracy within the normal flow range.

All sizes include an internal reed switch and for pulse output with a 2 foot long, 2-wire cable emerging from the meter. All sizes produce 1 pulse per gallon.

### FEATURES

- Meter body made of lead free brass
- Easy to read "odometer" style register, with full-face dial and smaller inset dial for finer increments
- Low starting flow rate and high accuracy
- Accurately meters in any orientation
- Triangular spinner for low-flow and leakage indication
- Register can be removed for replacement or repair WITHOUT removing meter from the line.
- Heat treated glass lens protects register and dials from damage, dirt, and moisture
- Hinged protective cover opens more than 180° for ease of viewing register
- Magnetic drive offers very low transmission resistance
- Pulse output cable produces 1 pulse per gallon for easy addition of digital counter or use with PLC or HMI

### SIZES & END CONNECTIONS

**NPT (male) Threaded:** 1/2" to 1"

**Flanged:** 1 1/2" & 2"

**Note:** Threaded meter bodies have straight meter threads. These models come with a set of meter to NPT adapters. Flanged meters DO NOT INCLUDE FLANGES. Flange kits that include 2 flanges, 2 gaskets, and 4 nut & bolt sets can be ordered.

### MAXIMUM PRESSURE

up to 150 PSI

### MAXIMUM TEMPERATURE

122°F

### ACCESSORIES (see page 3 for details)

- Digital pulse counter
- Check valve
- Garden hose adapters

### TYPICAL APPLICATIONS

- Residential cold water metering
- Multi-unit building submetering

### APPROVALS & CERTIFICATIONS

- Meets NSF 61 Annex G Lead Free Standards
- Conforms to AWWA C700



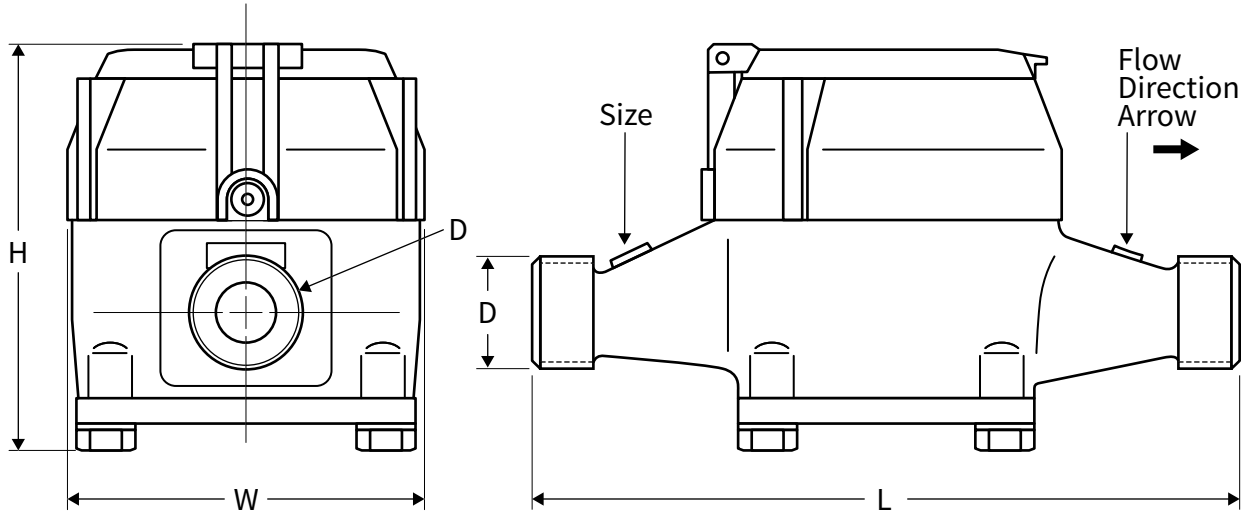


## WM-NLD



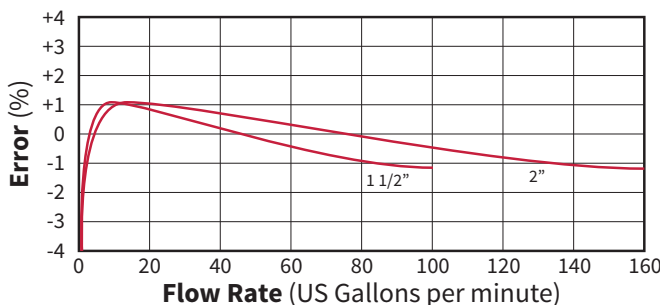
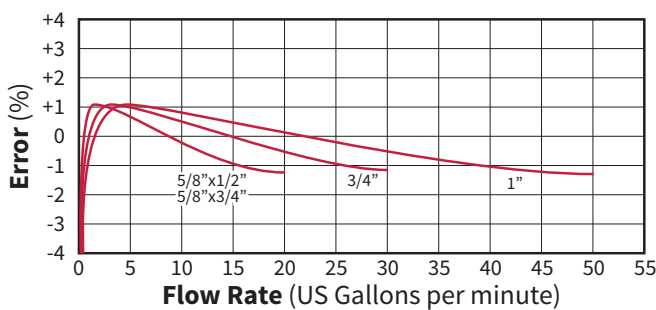
## Lead Free Brass Positive Displacement Water Meters

### DIMENSIONS

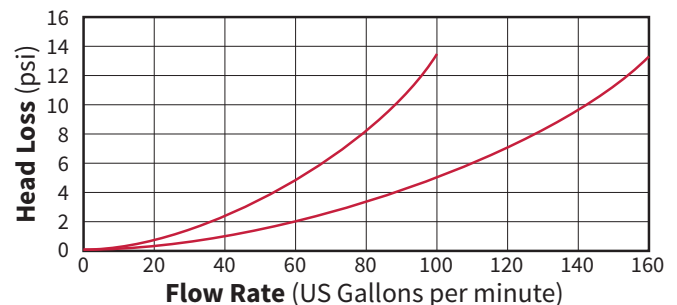
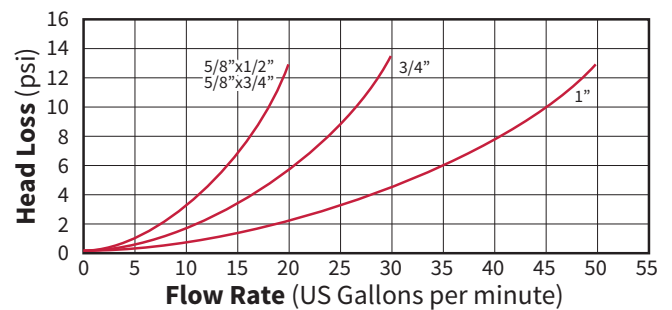


	D	L	W	H	Weight	High Flow	Cont. Flow	Low Flow	Normal Flow	Max. Reading	Increment
<b>050</b>	0.75	7.5	3.813	4.875	4	20	15	1/8	1-20	9,999,999.99	0.01
<b>075</b>	1	7.5	4.313	5	4	20	15	1/8	1-20	9,999,999.99	0.01
<b>7575</b>	1	7.5	4.313	5	6	30	15	1/4	2-30	9,999,999.99	0.01
<b>100</b>	1.25	10.75	6.75	7.25	11	50	25	1/4	3-50	9,999,999.99	0.01
<b>150</b>	Flange	13	7.875	8.5	23.5	100	50	1 1/2	5-100	99,999,999.9	0.1
<b>200</b>	Flange	17	9.375	10.5	41	160	80	2	8-160	99,999,999.9	0.1

### ACCURACY CURVES



### HEAD LOSS CURVES (pressure drop)





## WM-NLD



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### ORDERING INFORMATION

**WM - NLD - 050 - R/1P**

Series	Size	Pulse Output
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Series: \_\_\_\_\_

**WM-NLD** = Lead Free Brass Positive Displacement Water Meter

Size: \_\_\_\_\_

<b>050</b>	= 1/2"	(1-20 gpm)
<b>075</b>	= 3/4"	(1-20 gpm)
<b>7575</b>	= 3/4"	(2-30 gpm)
<b>100</b>	= 1"	(3-50 gpm)
<b>150</b>	= 1 1/2"	(5-100 gpm)
<b>200</b>	= 2"	(8-160 gpm)

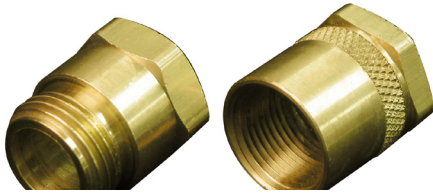
Pulse Output: \_\_\_\_\_

**R/1P** = 1 pulse per gallon (*all sizes*)

### ACCESSORIES

All accessories for this meter ship loose with the meter. To order any accessories use the part numbers listed below

#### Garden Hose Adapters (set):



One NPT Female x Male Garden Hose Thread  
One NPT Female x Female Garden Hose Thread

Attach these adapters to the meter ensuring that the flow direction is correct to use the meter inline on any standard garden hose.

**WMGHA050** = Garden Hose Adapter set for 1/2" meters

**WMGHA075** = Garden Hose Adapter set for 3/4" meters

*Only available for sizes 1/2" and 3/4".*

#### Check Valves:



Lead free brass check valves are available to prevent reverse flow through meter. Reverse flow will deduct from the meter's total. The use of a check valve will also prevent the meter and upstream water from being contaminated by debris or additives like fertilizer that get added downstream from the meter.

**C112CVLFN** = 1/2" NPT Lead Free Brass Check Valve

**D112CVLFN** = 3/4" NPT Lead Free Brass Check Valve

**E112CVLFN** = 1" NPT Lead Free Brass Check Valve

**G112CVLFN** = 1 1/2" NPT Lead Free Brass Check Valve

**H112CVLFN** = 2" NPT Lead Free Brass Check Valve

#### Digital Display with Reset:



Add a remote digital display that can be reset to simplify reading. Simply attach the 2 wires from the meters pulse output to terminals #2 and #6 on the display.

**KAL-D06** = digital display only (for panel mount)

**KAL-D06-DIN32-ENC** = digital display in weatherproof enclosure

#### Digital Display with Touch-read:



The T210 Electronic reader is a digital pulse reader that works with any mechanical water meters with a pulse output switch. It has a weatherproof design, and long battery life. The optional touch-reader (PSR140) can read and store up to 800 readings (before the need to download) to track usage of different meters as part of a commercial water management system.

**T210** = weatherproof digital display