



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.

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

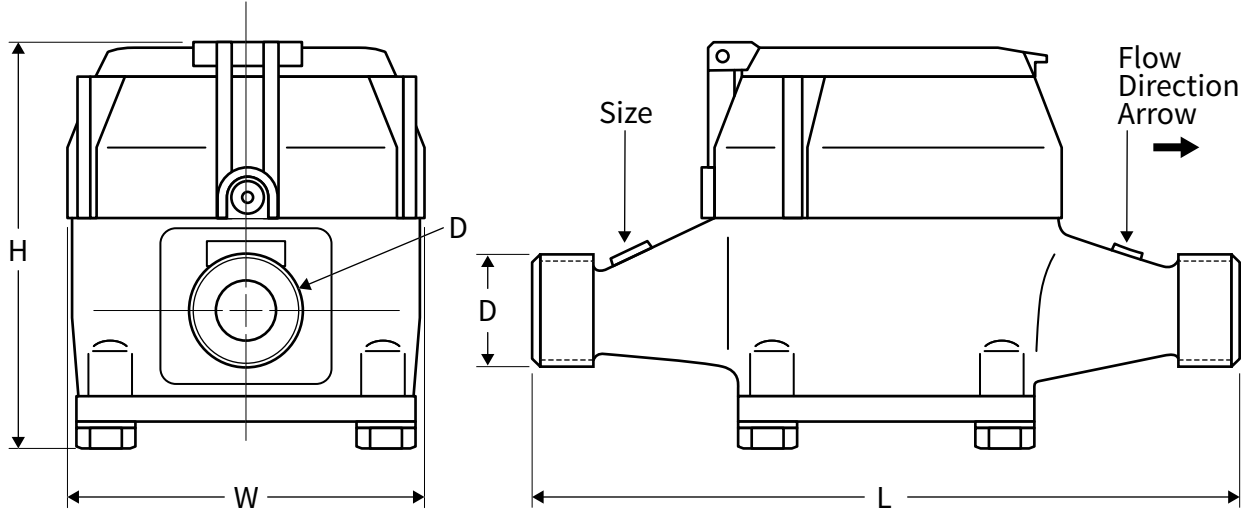


WM-NLD



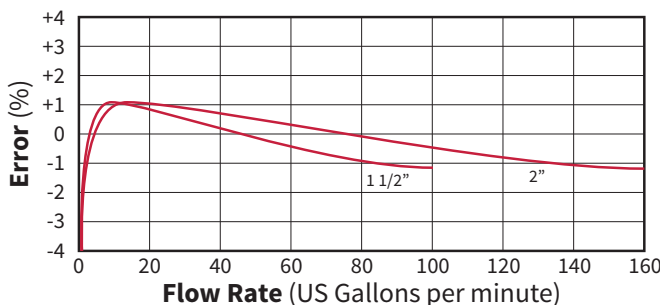
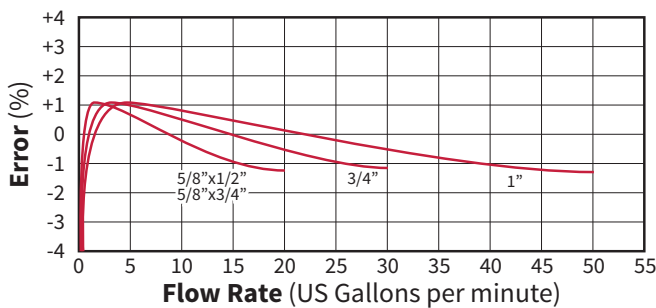
Lead Free Brass Positive Displacement Water Meters

DIMENSIONS

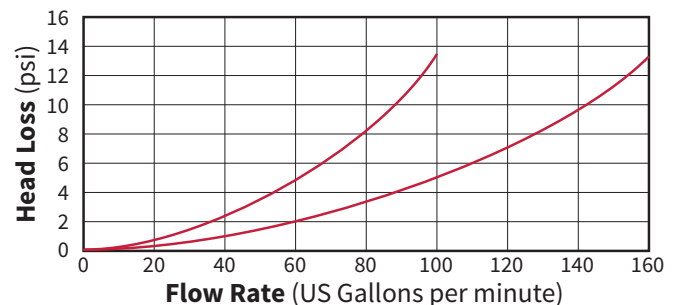
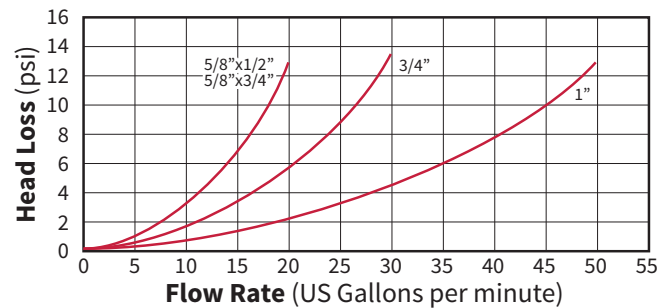


| | D | L | W | H | Weight | High Flow | Cont. Flow | Low Flow | Normal Flow | Max. Reading | Increment |
|-------------|--------|-------|-------|-------|--------|-----------|------------|----------|-------------|--------------|-----------|
| 050 | 0.75 | 7.5 | 3.813 | 4.875 | 4 | 20 | 15 | 1/8 | 1-20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

Series: _____

WM-NLD = Lead Free Brass Positive Displacement Water Meter

Size: _____

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

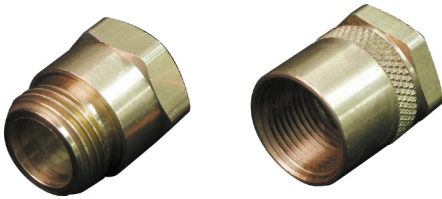
Pulse Output: _____

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