

PWMR - Paddlewheel Mechanical Water Meters

Sizes: 50 - 200mm

Used for dirty water in agriculture and wastewater treatment plants that requires meters to work reliably under difficult conditions. The paddle is suspended in the upper part of the meter body allowing solids to pass without damage. The impeller's rotations are proportional to quantity of water being metered and are magnetically transmitted to the register.

FEATURES

- Hermetically vacuum-sealed register
- Dry type magnetic transmission
- Magnetic shield, for external magnetic field protection
- High-flow accuracy and steady curve characteristics
- Solid and robust design
- High scratch resistant glass on register
- 360° Rotating counter fully encapsulated protected from impurities
- ISO 4064 Class B compliance standard (check local standards)

PULSE REED SWITCH

- Reed switch sends electric signals per a preset water quantity
- Data pulse output 10 litre, 50mm
- Data pulse output 100 litre, 80mm, 100mm
- Data pulse output 1000 litre, 150mm, 200mm
- Switching voltage 6 VAC/DC
- Switching current 0.10 Amps max

OPERATING CONDITIONS

- Water temperature: up to 50°C
- Pressure rating: PN16

INSTALLATION RECOMMENDATIONS

- Inlet requires 10 x pipe diameter of straight pipe
- Outlet requires 5 x pipe diameter of straight pipe
- Follow arrow direction
- Install in horizontal position
- Install a strainer upstream of meter to protect measuring element
- Flush line before installation to remove debris



FLOW DATA					
SIZE MM	50	80	100	150	200
Nominal Flow Lph	30000	90000	125000	250000	450000
Maximum Flow Lph	70000	120000	300000	500000	800000
Transitional Flow Lph	6000	12000	30000	50000	80000
Minimum Flow Lph	2400	4800	12000	20000	32000

ORDER CODES

Order Code	Size	Reed Switch Pulse output	Connection
PWM050R	50mm	1 pulse / 10 Litres	BSP (male)
PWM080R	80mm	1 pulse / 100 Litres	Table E
PWM100R	100mm	1 pulse / 100 Litres	Table E
PWM150R	150mm	1 pulse / 1000 Litres	Table E
PWM200R	200mm	1 pulse / 1000 Litres	Table E

Note: Due to continuous product improvement, specifications are subject to change without notice.