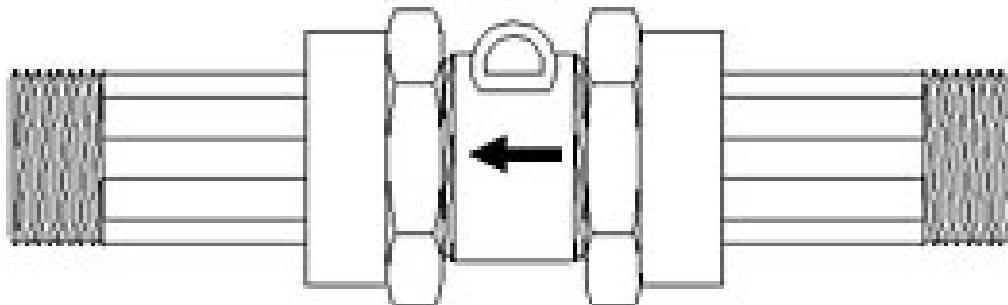


# TM SERIES FLOW METERS

## HALL EFFECT

The TW series meters have a **turbine** with a magnet mounted in the wheel. Every time the turbine



rotates, a pulse of electrical current is generated. This is called the Hall Effect. Flow is registered on an external device by counting the pulses. The paddle wheel assembly is corrosion-proof Noryl®, with a ceramic-encased magnet and stainless steel shaft.

## SPECIAL FEATURES

- ◆ The electronics are isolated from water.
- ◆ Meters are compact, lightweight and easy to install.
- ◆ Meters are serviceable without removing from plumbing.
- ◆ Cables have quick connect to meter and can be quickly removed and replaced during service.

SPECIFICATIONS	TM100	TM200
Nominal Pipe Diameter	1"	2"
Flow Range (gpm)	0.25 to 40	2 to 250
Housing	30% Glass-Filled PPO	30% Glass-Filled PPO
Turbine	Polypropylene	Polypropylene
Bearings	Polyimide	Polyimide
Shaft	302 SS	302 SS
Accuracy	± 3% of reading	± 3% of reading
Pressure Drop	1.5 psi @ 30 gpm	2.5 psi @ 150 gpm
K-FACTOR (pulses/gallon)	64	15
Maximum Water Temp	100°F	100°F
Maximum Temperature	122°F	122°F
Maximum Water Pressure	127 psi	100 psi
Maximum Cable Length	1000 ft	1000 ft
PPO - Polyphenylene Oxide		
<b>TM150</b> same specifications as TM200 with 1 ½" end connections.		

## CAT425.2

PART NO.	DESCRIPTION
707143-1	1" Turbine Flow Meter with brass NPT adaptor
707143-2	1" Turbine Flow Meter with solvent weld Sch 80 PVC adaptor
707143-3	2" Turbine Flow Meter with brass NPT adaptor
707143-4	2" Turbine Flow Meter with solvent weld Sch 80 PVC adaptor
707143-5	10' Cable Assembly
707143-6	25' Cable Assembly
707143-7	2" Turbine Flow Meter with 1 ½" brass NPT adaptor
707143-8	2" Turbine Flow Meter with 1 ½" solvent weld Sch 80 PVC adaptor

### APPLICATION NOTES

- ◆ Turbine meters are not to be used as unions. They must be supported on both ends.
- ◆ For proper reading the meter must have 18" of straight pipe the same size as the meter connection before and after the meter.
- ◆ If installed in a vertical position, the flow should be from bottom to top or upward.

**PW SERIES FLOW METERS ARE MANUFACTURED BY AUTOTROL IN THE USA**

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