

- Operating Pressure — 150 psi
- Maximum Operating Temperature
Cold Water 105°F (40°)
- 3 Layers Epoxy Coating

SIZE	2"	3"	4"	6"	8"
Max. Flow Rate — GPM	400	850	1100	2600	4400
Transition Flow — GPM	4.4	8.8	8.8	17.6	26.4
Min. Flow Rate — GPM	1.5	2.2	2.6	8.8	17.6
Laying Length — Inches	77/8"	87/8"	97/8"	113/4"	133/4"
Weight — Pounds	28	34	43	83	105



**“WP” Series Turbine Meters
Sizes — 2", 3", 4", 6", & 8"**

- **WPT** — Turbine Meter/Totalizing
- **WPR** — Turbine Meter/Reed Switch Sensor.
Provides a dry contact closure to pumps and controls. No external power source is required.
- **WPO** — Turbine Meter with Opto-Electric Sensor
Three wire device providing transistor output and requiring external power.
- **WPI** — Turbine Meter with Inductive Sensor
Two wire device and requiring a smart signal conditioner.
- **C** — All Hays WP Series Meters are available in C-Cold Water 105°F (40°C)

SPECIAL FEATURES

Accuracy to 1½% of Reading

The Hays WP Series Turbine Meters are accurate to ± 1½% of reading of normal flow range.

High Continuous Load is Handled with Ease and Accuracy

WP Series Turbine Meters gives high continuous load in combination with high measuring accuracy.

Especially Low Pressure Loss

Whatever your flow requirements, the HAYS WP Series Turbine Meter has very low pressure loss.

Low Maintenance

The Hays WP Series are designed for long, maintenance free life.

Installs in any Position

Installation in any position gives flexibility to those difficult placement conditions.

High Quality Polymer Inserts and Bearings

Insures long lasting accuracy with lowest wear and corrosion resistance even under severe installation conditions.

TYPICAL APPLICATIONS

- Totalizing
- Water Treatment Control
- Proportional Feed of Chemicals
- Commercial/Industrial Water Softening
- Water Conservation

TO ORDER TURBINE METERS

Models

- WP — Turbine Meter — Totalizing
- WPR — Turbine Meter — Reed Switch Sensor

Temperatures

- C-Cold Water to 125°F (50°C)

Pulse Rates

WPR Turbine Meter Pulse Rate Chart

Size	2"	3"	4"	6"	8"
Gallons	100	100	100	1000	1000
/ Pulse	1000	1000	1000	10000	10000

WPO & WPI Turbine Meter Pulse Rate Chart

Size	2"	3"	4"	6"	8"
Gallons	1	1	1	10	10
/ Pulse					

WPR Turbine Meter Pulse Rate Chart

Size	2"	3"	4"	6"	8"
Pulses	.01	.01	.01	.001	.001
/ Gallon	.001	.001	.001	.0001	.0001

WPO & WPI Turbine Meter Pulse Rate Chart

Size	2"	3"	4"	6"	8"
Pulses	1	1	1	.1	.1
/ Gallon					

Example: 3" Turbine Meter with Reed Switch Sensor in a cold water application with a pulse rate of 100 gallons/pulse.

Order: WPR — C — 3" — 100 G/P.

SPECIFICATIONS

High Flow - Turbine Meters

Materials

Body: Cast Iron Epoxy Coating

Insert Cap: Cast Iron

Register Plate: Die-Cast Bronze

Shafts: Stainless Steel

Turbine and Insert: Engineered Thermoplastic

Drive Magnet: Ceramic Permanent

Pressure Range: Up to 150 PSI Working Pressure

Temperature: 105°F (40° C) Cold Water

Accuracy: ±1 1/2% of Reading

Reed Switch: 100mA at 24V Max.

Shipping Weight:

2" = 28 lbs.

3" = 34 lbs.

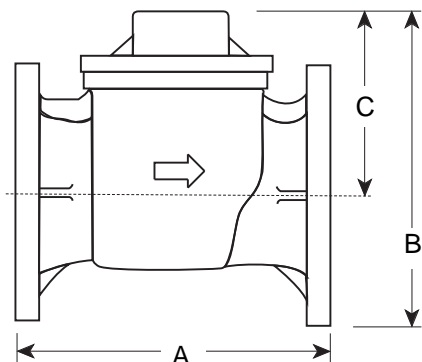
4" = 43 lbs.

6" = 83 lbs.

8" = 105 lbs.

TYPICAL APPLICATIONS

Dimensions



	2"	3"	4"	6"	8"
A	7 ⁷ / ₈ "	8 ⁷ / ₈ "	9 ⁷ / ₈ "	11 ³ / ₄ "	13 ³ / ₄ "
B	8 ¹ / ₈ "	9 ¹ / ₄ "	9 ⁷ / ₈ "	12 ⁵ / ₈ "	14 ³ / ₈ "
C	5"	5 ³ / ₈ "	5 ⁵ / ₈ "	7 ¹ / ₂ "	8 ¹ / ₄ "
Wt. lbs.	33	42	51	89	111

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