

AX-WM-WO

Turbine Flanged Cold and Hot Water Meters



Product Overview

The AX-WM-WO is a range of cold and hot flanged turbine water meters. These meters have in-line turbine impellers and the speed of rotation increases in proportion to the water flow rate. The meters use a magnetic transmission system between the impellers and the dial to minimise drag and to enable the dial to be totally sealed from the water supply.

All the meters are fitted with a pulsed output reed switch allowing flow information to be fed into an Integrator or a BMS system.

Features

- Hot and Cold Water versions available
- Inbuilt water Strainer
- Dry Dial
- EEC Class B approved
- Working Pressure 16 Bar
- Reed switch pulse output
- Complete with fittings
- Cold water meters suitable for drinking water

Product Specifications

Body Material:	Cast Iron - Epoxy powder coated
Max Working Pressure:	16 Bar
Switch Type:	Reed switch - volt free
Pulse Value (per litre):	10, 100, 1000 or 10000 dependant on size
Pulse Interval:	1mSec including bounce
Fluid Temperature Range:	
Cold	0 to 50 deg C (ice free)
Hot	0 to 90 deg C (ice free) (upto 120 deg C version also available)
Protection:	IP67
Expected Life Span:	Typically 1-2 million cycles
Conformity:	EEC Class B approved
Country of Origin:	Germany

Order Codes - note add litre/ pulse requirement to code

Turbine Cold water Flanged Meters

AX-WM-WO-D50 2" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D65 2 1/2" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D80 3" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D100 4" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D125 5" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D150 6" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D200 8" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D250 10" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D300 12" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D400 16" Flanged cold water meter c/w pulse o/p
AX-WM-WO-D500 20" Flanged cold water meter c/w pulse o/p

Turbine Hot water Flanged Meters

AX-WM-WOH-D50 2" Flanged hot water meter c/w pulse o/p
AX-WM-WOH-D65 2 1/2" Flanged hot water meter c/w pulse o/p
AX-WM-WOH-D80 3" Flanged hot water meter c/w pulse o/p
AX-WM-WOH-D100 4" Flanged hot water meter c/w pulse o/p
AX-WM-WOH-D125 5" Flanged hot water meter c/w pulse o/p
AX-WM-WOH-D150 6" Flanged hot water meter c/w pulse o/p
AX-WM-WOH-D200 8" Flanged hot water meter c/w pulse o/p

AX-WM-WO- Issue 1.1 - Date 13/11/2012

Page 1 of 3

Unit 21, Highview, High Street, Bordon, Hampshire. GU35 0AX.

Tel: +44 (0)1420 487788 Fax: +44 (0)1420 487799

Email: sales@axio.co.uk

www.axio.co.uk

Terms Of Reference:-

- Size (mm)	Refers to inside bore diameter
-Max Flow rate (Qmax - m3/hr)	Refers to the emergency flow rate in the event of system failure. Damage may result.
-Nominal Flow rate (Qn- m3/hr)	Typical application for everyday usage
-Transitional Flow rate (Qt-l/hr)	Point at which the flow rate is high enough to achieve a level of accurate measurement
-Minimum Flow rate (Qmin- l/hr)	The absolute minimum flow rate at which the meter will function
-Bolt Circle Centres	The distance between opposite bolt hole on the flange, taken centre to centre.

Technical Data

Similar flows and sizes for Cold and Hot water meters

Part Number	DN Size mm	Qmax m3/hr	Qn m3/hr	Qt m3/hr	Qmin m3/hr	Pulse Options
AX-WM-WO-D50	50	30	15	3	0.45	10- 100
AX-WM-WO-D65	65	50	25	5	0.75	100
AX-WM-WO-D80	80	80	40	8	1.2	100- 1,000
AX-WM-WO-D100	100	120	60	12	1.8	100- 1,000
AX-WM-WO-D125	125	200	100	20	3	100- 1,000
AX-WM-WO-D150	150	300	150	30	4.5	100- 1,000
AX-WM-WO-D200	200	500	250	50	7.5	1,000- 10,000
AX-WM-WO-D250	250	800	400	80	12	1,000- 10,000
AX-WM-WO-D300	300	1200	600	120	18	1,000- 10,000
AX-WM-WO-D400	400	2000	1000	200	30	10,000
AX-WM-WO-D500	500	3000	1500	300	45	10,000

Part Number	Size inches	Length mm	Height mm	Diameter mm	Bolt Circle centres	Bolt Diam	Weight kgs
AX-WM-WO-D50	2"	200	225	165	125	4 x M16	12.5
AX-WM-WO-D65	2 1/2"	200	242	185	145	4 x M16	14
AX-WM-WO-D80	3"	225	255	200	160	8 x M16	16
AX-WM-WO-D100	4"	250	265	220	210	8 x M16	19
AX-WM-WO-D125	5"	250	275	250	210	8 x M16	20
AX-WM-WO-D150	6"	300	325	285	240	8 x M20	35
AX-WM-WO-D200	8"	350	352	340	295	12 x M20	52
AX-WM-WO-D250	10"	450	470	395	350	12 x M20	107
AX-WM-WO-D300	12"	500	495	445	400	12 x M20	118
AX-WM-WO-D400	16"	600	635	565	515	16 x M24	188
AX-WM-WO-D500	20"	800	740	670	620	16 x M24	258

Technical Data

Pulsed Output specification

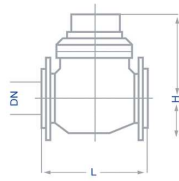
Switch Type:	Reed switch - volt free
Pulse Value (per litre):	10-100- 1,000- 10,000 dependant on size
Pulse Interval:	1mSec including bounce
Max Contact Rating:	2VA dc
Max Load Current:	50mA
Max Switching Voltage:	30Vdc

AX-WM-WO

Turbine Flanged Cold and Hot Water Meters



DIMENSIONS



TYPICAL ERROR CURVE

