

Water Meter WVM *มาตรวัดน้ำรุ่น ดับบลิววีเอ็ม*

Name of Parts

NO	NAME OF PARTS	NO	NAME OF PARTS
1	LID	9	REGISTER CASE WITH BEARING
2	HINGE PIN	10	REGISTER CASE RING
3	HEAD CASING	11	PLATE RING
4	GASKET TOP	12	SEALED CASE COMPLETE
5	HEAD GASKET	13	UPPER CASING
6	COVER BOH	14	VANE WHEEL
7	BODY CASING	15	LOWER CASING COMPLETE
8	STRAINER	16	CASING GASKET

Important Advantages

No moving parts in water, except Turbine. A solid spiral Turbine is vertically mounted on the pivots at both ends within a cylindrical flow tube. The rotation of Turbine is directly transmitted to the hermetically sealed Register by Magnet. This means that there is greater advantages of operating safety, long life, no condensation in the Dry Dial.

Magnet Protection Rings are provided. Magnet Drive is protected by Magnet Protection Rings so that Magnet Drive can not be badly influenced and stopped by another Magnet from outside of this Meter.

Easy to maintain. The entire Register and Turbine complete can be easily removed from the top of the Body Casing without removing the Meter from pipe line.

Straight Reading. This means that the flow quantity is precisely and easily read from the smallest volume units without mistake.

Sensitivity at the low flow. WVM Meters are designed to provide with best sensitivity at the low flow rate and with precise accuracy that is preserved for long period, as the Stuffing Box and Gland Friction have been omitted.

* Available Flanges: Cast Iron Flanges of standard JIS B2220, 5K

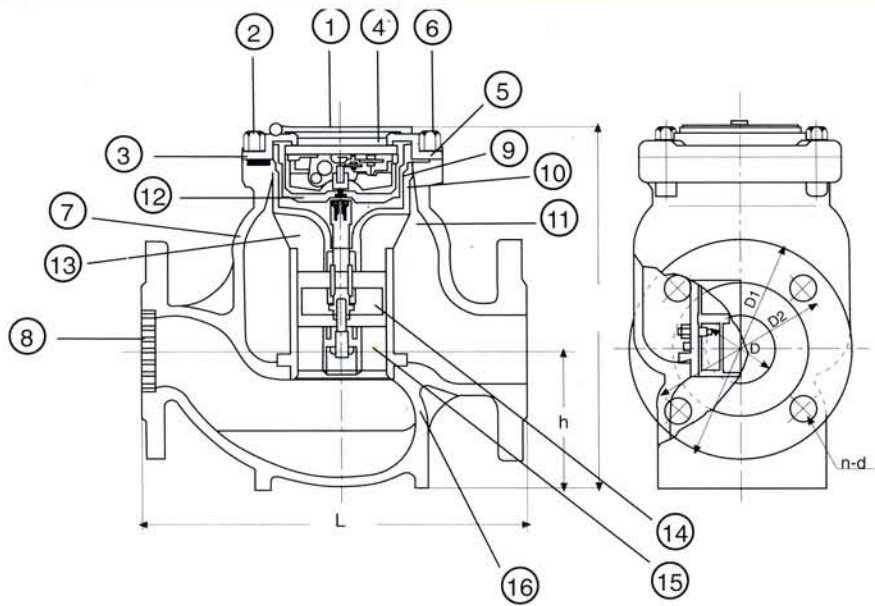
Technical Data

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- Maximum Water Temperature : 5°C - 50°C
- Maximum Test Pressure 17.5 kgs/cm²
- Material of Body Casing : Cast Iron FC 20 (Bronze Casting also acceptable)

Bore Size	Safe Max. Operation Capacity (m ³ /h)	Max. Rate for Continuous Duty (m ³ /h)	Max. Loss for Head at Safe Max. Operation Capacity (mAq)	Min. Flow Limit. of ± 5 % (m ³ /h)	Normal Min Flow ± 2 % (m ³ /h)	Smallest Readable Amount (Y)	Max. Registration (m ³)
WVM 50	36.0	18.0	10	0.10	1.20-27.75	10	1,000,000
WVM 65	60.0	30.0	10	0.20	1.50-42.0	10	10,000,000
WVM 80	80.0	40.0	10	0.30	2.00-57.0	10	10,000,000
WVM 100	150.0	75.0	10	0.40	2.75-91.0	10	10,000,000
WVM 150	285.0	142.5	10	1.00	4.50-227.0	10	10,000,000

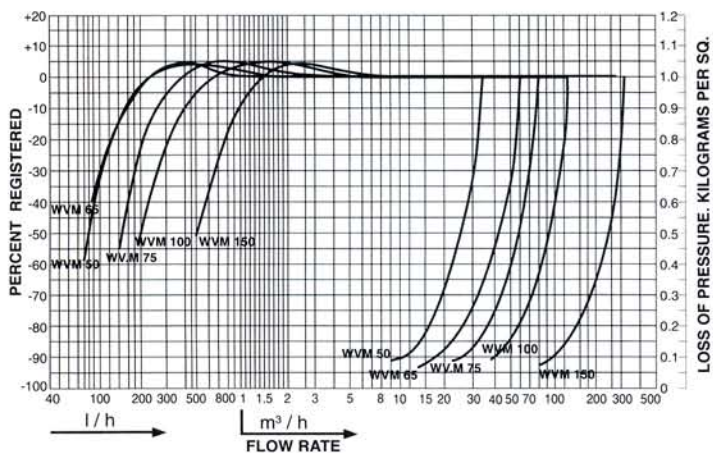
ASAHI
THE LEADER IN WATER METER



Dimensions $\bar{m}\bar{a}$

Model	Size	D	D1	D2	n-d	H	L
WVM 50	2"	50	165	125	4-18	195	245
WVM 65	2.1/2"	65	185	145	4-18	290	280
WVM 75	3"	80	200	160	4-18	330	300
WVM 100	4"	100	220	180	8-18	365	360
WVM 150	6"	150	285	240	8-18	430	500

Accuracy & Pressure Drop Curve



Water Meter WVM

ASAHI Turbine Meter is used for accurate measurement of the potable cold water supplied from the waterworks. Manufactured from specially selected materials for resistance to corrosion and for long working life. All Meters are provided with Straight Reading, Dry Dial, hermetically sealed Register, and Magnetic Drive. The rotation of turbine is directly transmitted to the Register by Magnetic Drive. Performance to AWWA C 701-70.

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