



HYDROMETERS

Combination
Master Valve
and Flow Sensor

APPLICATIONS

- For commercial, institutional and sports field irrigation applications
- Ideal for retrofits
- Designed for high pressure, remote control applications
- Water meter can be used to communicate with irrigation controllers and central control units
- Valve can be used as a remote master valve for automated operation
- Pilot options: manual electric and manual electric pressure reducing

SPECIFICATIONS

- Sizes: 1 1/2", 2", 3", 4", 6" and 8"
- Maximum working pressure: 235 psi
- Body: Cast iron, polyester coated
- Valve diaphragm: Reinforced natural rubber
- Flanges: Drilled according to ANSI specification
- Standards: EEC approval (class A)

FEATURES & BENEFITS

GLOBE CONFIGURATION WITH BUILT-IN STRAIGHTENING VANE

Requires no straight pipe installation - saving space.

± 2% ACCURACY ACROSS FLOW RANGES

No more false alarms.

RUGGED, HEAVY DUTY CONSTRUCTION

Reliable performance - 235 psi rated.

REGISTERS ARE STAINLESS STEEL/GLASS ENCAPSULATED

Guaranteed against fogging due to moisture.

CONFIGURED WITH ANY COMBINATION OF PILOT CONTROL

Manual electric and pressure reducing manual electric. Normally open or normally closed.

DOUBLE-CHAMBERED VALVE

Provides quick acting and positive opening and closing.

SUB METERING

Meter dedicated to landscape irrigation water.





Reed Switch (RS) - dry contact or a simple switch closure for communicating with controllers.



Photo Diode High Frequency (PDH) - photo coupler provides a high frequency pulse output for communicating with controllers.

COMPATIBILITY WITH CONTROL SYSTEMS

Netafim hydrometers are compatible with many controllers. For the most up-to-date information on compatibility with other manufacturer's controllers please visit the landscape hydrometer page on our web site at www.netafimusa.com.

PERFORMANCE DATA

		LOWEST FLOW WITHIN ± 5% ACCURACY	LOWEST FLOW WITHIN ± 2% ACCURACY	NOMINAL FLOW WITHIN ± 2% ACCURACY	MAXIMUM FLOW WITHIN ± 2% ACCURACY
SIZE	1 ½"	1.8 GPM	4.4 GPM	44 GPM	55 GPM
	2"	5.3 GPM	20 GPM	66 GPM	95 GPM
	3"	14 GPM	53 GPM	176 GPM	220 GPM
	4"	21 GPM	79 GPM	264 GPM	380 GPM
	6"	53 GPM	198 GPM	660 GPM	860 GPM
	8"	97 GPM	357 GPM	1,189 GPM	1,500 GPM

ORDERING INFORMATION - MANUAL ELECTRIC

FLOW RANGE		METER SIZE	CONNECTION	REGISTER OUTPUT TYPE	PULSE PER GALLON	GALLONS PER PULSE	MODEL NUMBER
MIN GPM ± 5%	MAX GPM ± 2%						
1.8	55	1 ½"	MALE PIPE THREAD	RS	1	1	LHM15TG1-MEL
				PDH	187.900	0.0053	LHM15TG0053-MEL
5.3	95	2"	FEMALE PIPE THREAD	RS	1	1	LHM2TG1-MEL
				PDH	117.000	0.0085	LHM2TG0085-MEL
14	220	3"	FLANGED	RS	1	1	LHM3FG1-MEL
				PDH	48.710	0.0205	LHM3FG0205-MEL
21	380	4"	FLANGED	RS	1	1	LHM4FG1-MEL
				PDH	17.933	0.0556	LHM4FG0556-MEL
53	860	6"	FLANGED	RS	0.1	10	LHM6FG10-MEL
				PDH	5.747	0.1741	LHM6FG1739-MEL
97	1,500	8"	FLANGED	RS	0.1	10	LHM8FG10-MEL
				PDH	3.152	0.317	LHM8FG317-MEL

Netafim Hydrometers are standard in a manually closed configuration. To order Normally Open (NO) configurations add -NO to the end of the model number.

For example: When ordering a 8" Flanged Photo-Diode (PD) Normally Open Hydrometer, use Model Number LHM8FG317-MELNO

Additional ordering information can be found in the Netafim Landscape Price List and on the website at www.netafimusa.com



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