

Dose-o-Mat - Automatic Dosing Water Meter 2" AMV

Volume based water supply & irrigation device, consisting of a water meter, a volume control dial and a valve, all contained in a single simple to operate unit.

Description

The Dose-O-Mat Model K, line of automatic metering valves provides a reliable and economical solution for a wide variety of water supply, Dosing livestock drinking water, mining, lawn, and irrigation applications. A variety of models and sizes are available to meet virtually any operational requirements and budget.

The desired quantity is set using the volume control dial, according to local needs or crop and soil.

It automatically closes the valve once the pre-set quantity of water has passed through the unit.



Operation is extremely simple; it does not require neither skilled labor nor intensive training and of course no need for electric nor battery power

Available volume ranges and dials

M3 (metric)

US Gallon (imperial)

0 to 400 M3

0 to 105000

Features and Benefits

- Volumetric Shut-Off Valve
- No electricity required
- Simple design and high-quality materials
- Easy installation and operation
- Can be installed in any position
- Extreme accuracy and dependability
- Minimum maintenance
- Negligible head loss

Technical Specifications:

Volume based irrigation device, consisting of a water meter, a volume control dial and a valve all contained in a single unit.

Dimensions :

Length 346mm [13.6"]

Length 190mm [7.5"] Without couplings.

Width 126mm [5.0"]

Height 235mm [9.3"]

Weight 8.5 Kg [19 Lbs.]

Connections: 2" Male NPT or BSPT Swivel adapters

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Made in ISRAEL

Dose-O-Mat Model K 2" [pn50] AMV

Flow rates, Pressure and Volumes Dose-O-Mat Model K

Performance	Dials: (Scales)	Accuracy:
	105000 USG & 400 M3	+2%
Min. Flow Rate	2.0 m3/h [8.8 GPM]	
Max. Flow Rate	30.0 m3/h [132 GPM]	
Min. Working Pressure	1.0 Bar [14.5 PSI]	
Max. Working Pressure	10.0 Bar [145 PSI]	
Max. Working Temperature 60°C [140 °F]		

Operations instructions, Start-Up Operation

NOTE: There must be available flow through the Dose-O-Mat valve and system to check and adjust valve.

Ensure that a downstream demand is created by opening field valves, sprinklers, etc.

Please verify that the unit is installed according to the flow direction! (Black arrow on the body top).

1. Mount the unit according to the lower body **direction arrow**
2. Close main valve by fully turning setting knob **(1)** on top of the valve counterclockwise until dial face is on zero exactly in front of the body arrow **(2)** and clicks.
3. Open fully the upstream gate valve but open gate the downstream gate valve only slightly 10% (if applicable). Main valve should remain closed.
4. Slowly turn setting knob (1) on top of the valve.
Turn it **counterclockwise** to the desired volume on the dial face aligning the desired volume with arrow (2) on the valve body.
5. Open the downstream gate valve fully (if applicable) and valve should open completely for normal Operation.



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