

Dose-o-Mat - Automatic Dosing Water Meter 3/4"

Volume based water supply & irrigation device, consisting of a water meter, a volume control dial and a valve all contained in a single 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 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 0.25*	0 to 1.0	0 to 2.0	0 to 10	0 to 70	0 to 250	0 to 500

* the dial is 0 to 250 liters

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 130mm [5.1"] **Width** 102mm [4.0"] **Height** 86mm

Weight 0.33 Kg [0.85 Lbs.]

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Dose-O-Mat Model K-KZ 3/4"

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

Performance	Dials: 250L, 1m3, 70usg, 250usg	Dials 2.0m3, 10m3, 500usg
Min. Flow Rate	0.07 m3/h [0.31 GPM]	0.10 m3/h [0.44 GPM]
Max. Flow Rate	0.50 m3/h [2.20 GPM]	1.6 m3/h [7.00 GPM]
Min. Working Pressure	0.5 Bar [7.25 PSI]	0.5 Bar [7.30 PSI]
Max. Working Pressure	10.0 Bar [145 PSI]	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 counter-clockwise 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 **counter-clockwise** to the desired volume on the dial face aligning the desired volume with arrow (2) on the valve body. **Try not to turn the knob clockwise**
5. Open the downstream gate valve fully (if applicable) and valve should open completely for normal Operation.



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