

DOSE-O-MAT I Automatic Metering Valve Model K 2"

Volume based 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 line of automatic metering valves provides a reliable and economical solution for a wide variety of 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 crop and soil. It automatically closes the valve once the pre-set quantity of water has passed through the unit.

Dose-O-Mat units of sizes 2" and larger, contain hydraulic valves and may be installed either as single points of control or in groups that are operated in sequence.

Operation is extremely simple, it does not require neither skilled labor nor intensive training



- **Available Sizes**

2" Model K

Features:

- Negligible head loss
- Simple maintenance
- Field replaceable measuring unit
- Hermetically sealed register with glass lens
- Bearings are constantly flushed during operation to eliminate deposit of solids

Technical Specifications:

Maximum Working Temperature	60°C
------------------------------------	------

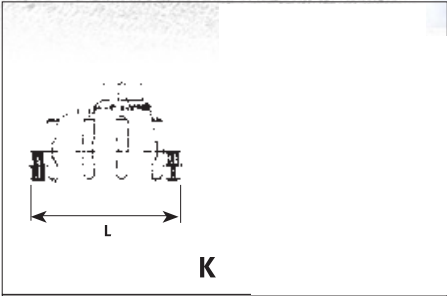
Body	K 3/4" - 1" plastic All other models - cast iron
-------------	---

Connection	K 2" 2" male thread with quick coupling BSPT or NPT
-------------------	--



Dimensions

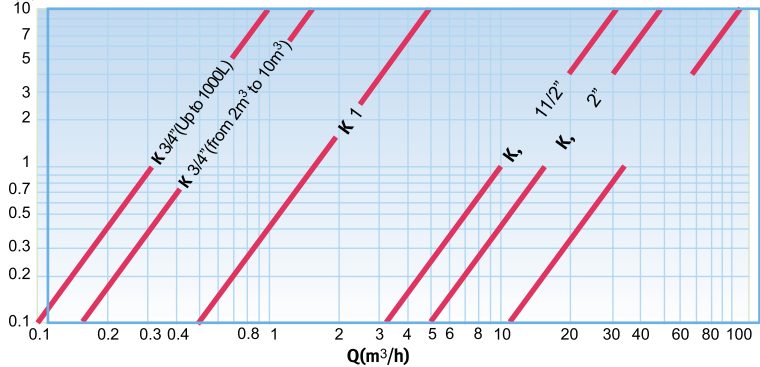
Model		K			
Nominal size	(mm)	20	25	40	50
	(inch)	¾	1	1½	2
L - Length without couplings (mm)		130	200	160	190
H - Height (mm)		86	115	203	235
A - (mm)		-	-	-	-
C - (mm)		-	-	-	-
B - Width (mm)		102	90	126	126
Weight (kg)		0.3	0.5	2.3	4.4
Weight with couplings (kg)		-	-	3.3	5.8



Performance data

Model	Nominal Size (inch)	Maximum Working Pressure (bar)	Minimum Working Pressure (bar)	Qmax Maximum Flow Rate (m³/h)	Qmin Minimum Flow Rate (m³/h)	Regulated Flow Rate
K	¾"	10	0.5	1.5	0.08	±2%
	1"	8	0.5	5	0.5	
	1 ½"	10	1	15	1.5	
	2"	10	1	30	2	

Head Loss Curve



Standard Scales

Model \ Scale	Scale															
	1	3	10	20	25	40	50	100	200	400	1000	1600	2500	4000	5000	10000
K ¾"- Ginon	●															
K 1"	●	●	●				●									
K 1 ½"		●	●	●			●	●	●							
K 2"				●		●		●	●	●	●					

Installation Requirements

- The meter should be installed in horizontal position