

Model K

DOSE-O-MAT Automatic Metering Valve

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 variety of irrigation applications and sizes.

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 2/11" and larger, contain hydraulic valves. Operation is extremely simple, it does not require neither skilled labor nor intensive training.

Available Sizes

Globe type: 3/4", 1", 1 1/2", 2"

Features

- Negligible head loss
- Simple maintenance
- Bearings are constantly flushed during operation to eliminate deposit of solids

Technical Specifications

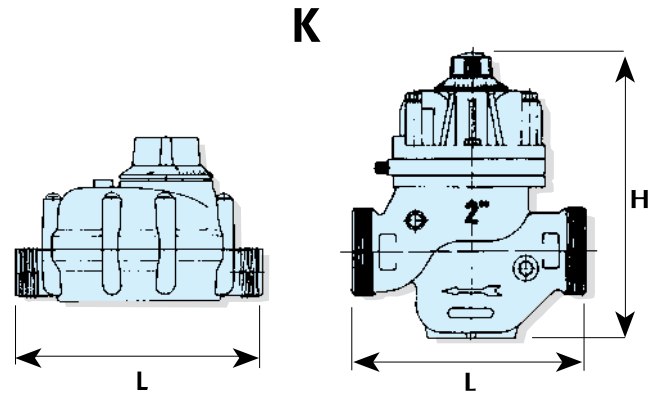
Maximum Working Temperature	60°C
Body	K 3/4" - 1" plastic K 1 1/2" - 2" cast iron
Connection	K 3/4" - 3/4" BSPT male thread K 1" - 1" BSPT male thread K 1 1/2" - 1 1/2" male thread with coupling K 2" - 2" male thread with coupling

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Dimensions

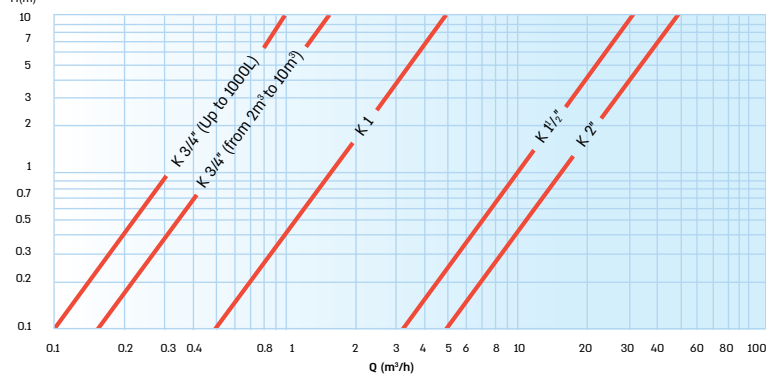
Model		K			
Nominal size	(mm)	20	25	40	50
	(inch)	¾	1	1½	2
L - Length without couplings (mm)		130	200	160	190
H - Height (mm)		86	115	203	235
A - (mm)		-	-	-	-
C - (mm)		-	-	-	-
B - Width (mm)		102	90	126	126
Weight (kg)		0.3	0.5	2.3	4.4
Weight with couplings (kg)		-	-	3.3	5.8



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	
	1½"	10	1	15	1.5	
	2"	10	1	30	2	

Head Loss Curve



Standard Scales

Model \ Scale	Scale															
	1 m³	3 m³	10 m³	20 m³	25 m³	40 m³	50 m³	100 m³	200 m³	400 m³	1000 m³	1600 m³	2500 m³	4000 m³	5000 m³	10000 m³
K ¾"- Ginon	•															
K 1"	•	•	•				•									
K 1½"		•	•	•			•	•	•							
K 2"				•	•		•	•	•	•						

* Other scales upon request.

Installation Requirements

- The meter should be installed in horizontal position