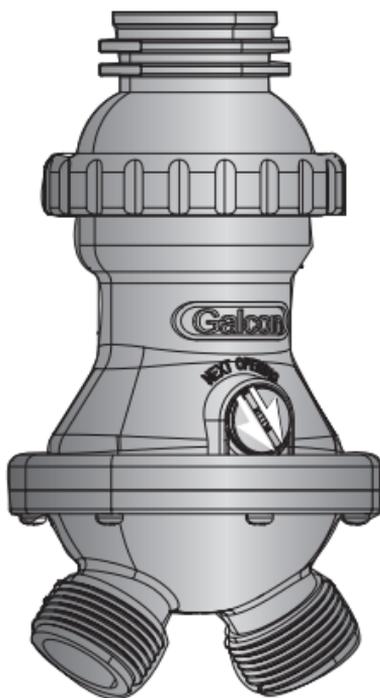


 **Galcon**

ALTERNATOR VALVE



 **Galcon**

• English

Israel's Leading Manufacturers of Irrigation Controllers

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ALTERNATOR VALVE USER MANUAL



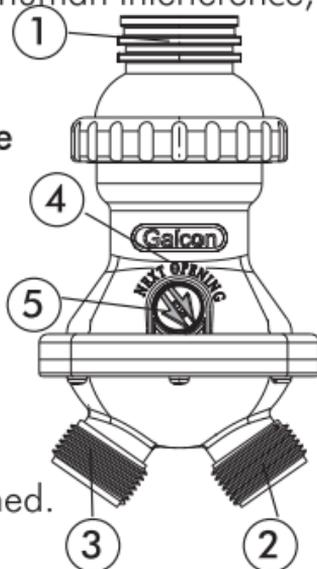
I. Scope

The Alternator valve is an accessory, connected to the irrigation controller, to enable alternate irrigation in two different lines, interchanging automatically.

The Alternator valve changes the direction automatically, without any human interference, each time the valve is opened.

II. Alternator valve Structure

1. Inlet: 3/4"
2. Outlet I: 3/4"
3. Outlet II: 3/4"
4. Alternator valve body
5. Direction changing Selector Arrow – indicating the direction of the water flow when the valve will be reopened.



III. Please Note:

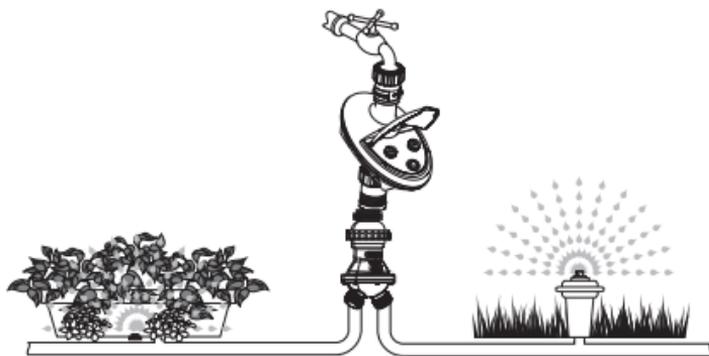
1. It is recommended to assemble the Alternator valve manually and avoid using a spanner.
2. Check the Alternator valve manually before assembling the pipes.
3. Ascertain that the irrigation components

conform to the Alternator valves discharge and pressure.

4. It is recommended to install a filter before the controller and the Alternator valve.
5. To perform a change in the flow direction, wait for about 1 minute when the valve is closed. Then reopen the valve, or change the direction manually, using the "direction changing selector arrow" when the valve is closed. Use a coin or a screw driver to turn the "direction changing selector arrow".

IV. Assembly Instructions.

1. Place the irrigation components (drip pipes or sprinklers) in place and locate them near the controller or the valve (irrigation head).
2. Join the inlet of the Alternator valve onto the outlet of the controller.
3. Join pipes (I and II) to outlet I or II of the Alternator valve, respectively.



V. Applications and Proposed Operation Mode

The Alternator valve allows numerous varied uses. Please find one example below:

a. Separate Irrigation of the Front and Back Lawns, with identical Irrigation time.

1. Join the irrigation line of the front lawn to outlet I and the irrigation line of the back lawn to outlet II.
2. Program the controller to the desired irrigation plan, ensuring that opening No.1 will be for the front lawn (I) and opening No. 2 will be for the back lawn (II).
3. When the controller is opened for the first time (opening No. 1) only the front lawn will be irrigated according to the program and once completed, the valve will close.
4. When the valve is opened for the second time by the controller (opening No. 2) the Alternator valve will change the water flow to outlet II and the back lawn will be irrigated for the programmed time.
5. And so on, without any human interference.

VI. General Data.

- Minimum operation pressure: 1 atmosphere
- Maximum operation pressure: 10 atmospheres
- The Alternator valve is made of: P.O.M.
- (KV) 1.5
- Maximum flow rate: 1.2 m³/H.
- Threads: Inlet-3/4", Outlets -3/4"
- Thread types: NH or NPT or BSP