



## DAVID AUTO DISCHARGE VALVE

The Gingoni syphon controlled valves are designed to operate in remote areas without the need for power and supervision.

### Features & Advantages:

- No power required.
- Easy to adjust draw down levels.
- No supervision required.
- Manufactured from durable material
- No water wastage.
- Usable on concrete/cement or earthen dams.

### General description:

- In many rural or farming environments concrete or earthen dams are filled either by continuous low flows and/or intermittent flows and the volume thereof is insufficient for proper use.
- Typically this is filling is by means of small borehole pumps, windmills, solar pumps, small fountain streams, drainage streams, leach streams or the like. This inflow is insufficient to use for proper sprinkler or flood irrigation. The dam must therefore either be manually drained, or in most cases most of the water is wasted via the over flow causing a waste damp marshland area downstream of the dam.
- The syphon discharge valve allow the owner to drain the dam to his own selected levels without the use of power or supervision.
- Levels are determined (and changed as see fit by the owner) and the valve will open and close at these levels automatically.
- When opened the water is discharge in large volumes which allows the owner to use this mass of water for irrigation or other constructive uses based on the available hydraulic head.
- If adjusted correctly the dam will trickle fill to a pre-set level (below the dam's overflow level) and then discharge in high volume until the level has dropped to the level set by the owner.
- The frequency of discharge is entirely dependent on the rate of inflow to the dam.

