Save water, labor, and fertilizer while increasing yields.

**DamSurge Valve**

- Increases the rate of water advance down the furrow.
- Reduces deep percolation losses and tail water runoff.
- Produces an even wetting front along the furrow.
- Produces even depth water penetration into the soil.

  - Increase application efficiency up to 35% over traditional furrow irrigation.
  - Minimizes losses from deep percolation and tail water runoff.
  - Reduces labor by automatically changing water sets.

**Valve**

High strength impact resistant polymer materials coupled with best in class injection molding processes insures a robust, high quality Surge Valve that will provide years of trouble free service.

  - High strength polymer shell provides a deterrent to the common theft of aluminum products in the field.
  - UV inhibitors guard against degradation from sunlight.
  - Marine grade 316 stainless steel hardware.
  - Superior performance in the most rugged ag environments.

**Controller**

- Features an all-weather, corrosion free, impact resistant solar panel.
- Superior solar panel insures a constant charge even during those cloudy days.
- State of the art touch screen user interface simplifies programming.
- Password security prevents unauthorized user changes to programs.
- Rechargeable lithium ion battery.
- English or Spanish language.
- IP 67 rated – resistant to dust and moisture infiltration.