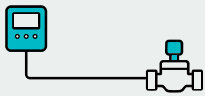


Baccara's Unique Irrigation Systems Solutions



The Challenge in the Field

In many agricultural areas, 24VAC solenoid valves are vital for irrigation. Wiring can run from few meters to over 1,000 meters, often in lightning-prone zones.



Long distances require thicker wires, raising the system cost, especially when a few remote valves force oversized wiring or larger transformers for the whole system.



Lightning and power instability can damage solenoids, increasing maintenance and risking costly irrigation failures.

Customer Needs

- Lower installation costs for long-distance valve placement.
- Reduce downtime and maintenance with strong protection from power surges and lightning.
- Maintain consistent performance for reliable crop yields.

Baccara's Value Proposition

Baccara introduces a unique, field-proven solution:

1. LDOS - Long Distance Optimized Solenoid

Designed for long-distance operation using smaller gauge wiring, significantly reduces wiring costs (or power transformer power requirements) while ensuring long lasting reliable performance.

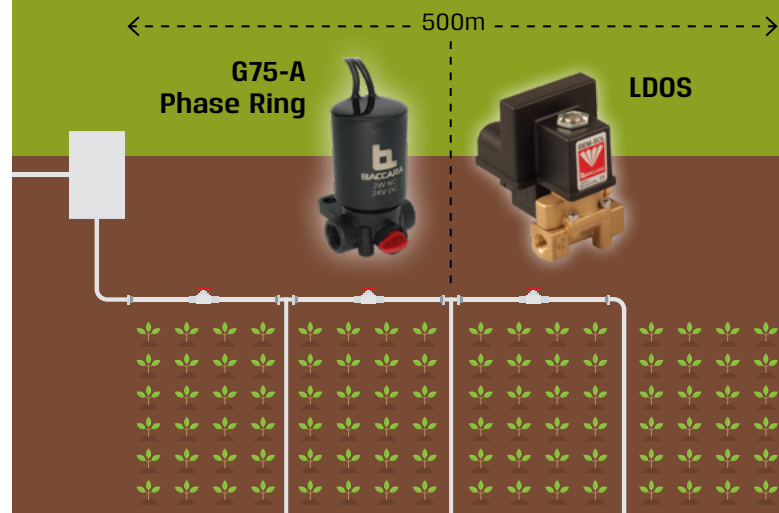
2. G75-A 24VAC Solenoid with a Phase Ring

Unlike standard solenoids with diode protection (prone to power spikes), the G75-A uses AC phase rings for high protection against:

- Power instability and voltage fluctuations.
- Lightning strikes.

Installation Recommendations:

Please consult our technical department, since some applications requires different configurations



The Ultimate Solution

Install G75-A phase ring for short distances (<500m) with the combination of LDOS solenoids for long-distance (>500m) installations* to achieve:

- Minimal system wiring costs or eliminate the need of a higher power transformer.
- Maximize protection from power supply instability and to lightning strikes.
- Ensure long-lasting performance, with minimal maintenance and downtime.

