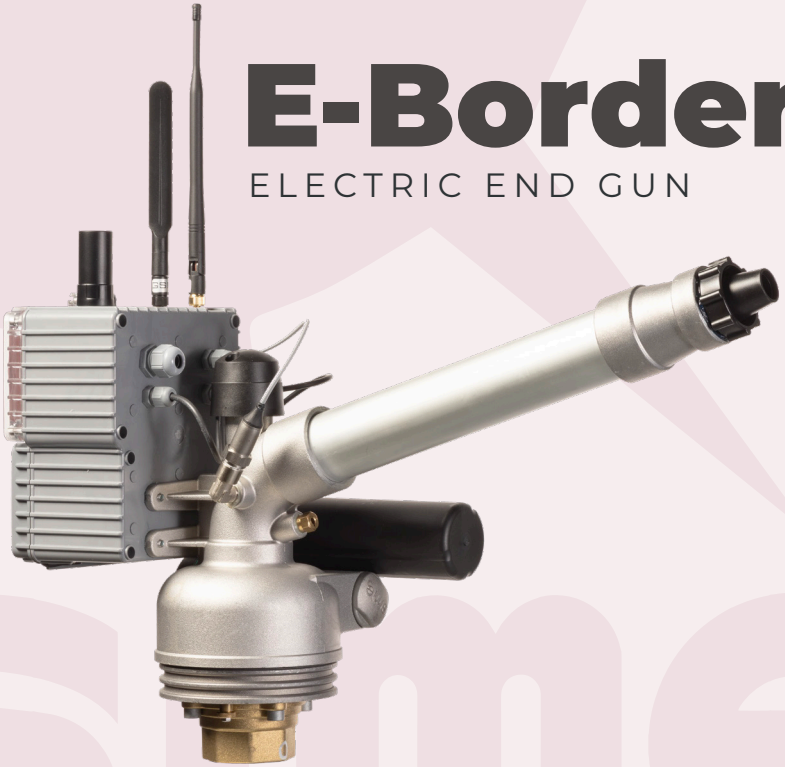
sime

E-Border

ELECTRIC END GUN



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The gun

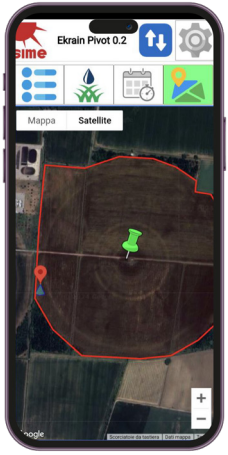
This gun can operate within a radius of 20 to 40 meters and a flow rate of 150 to 700 l/min. Rotation via electric motor ensures minimal shock and vibration for the pivot support structure. The gun is equipped with an electronic board, GPS, pressure sensor, and 4G module.

The interface between the user and the cannon is managed through an application for mobile devices and computers. All work data is shared and stored on the web portal to generate irrigation reports and statistics at the end of the year and they are available via API for external digital platforms.

Connection	Nozzle	Angle
2'' F	**ø 10-26 mm**	**18°**

How does it work

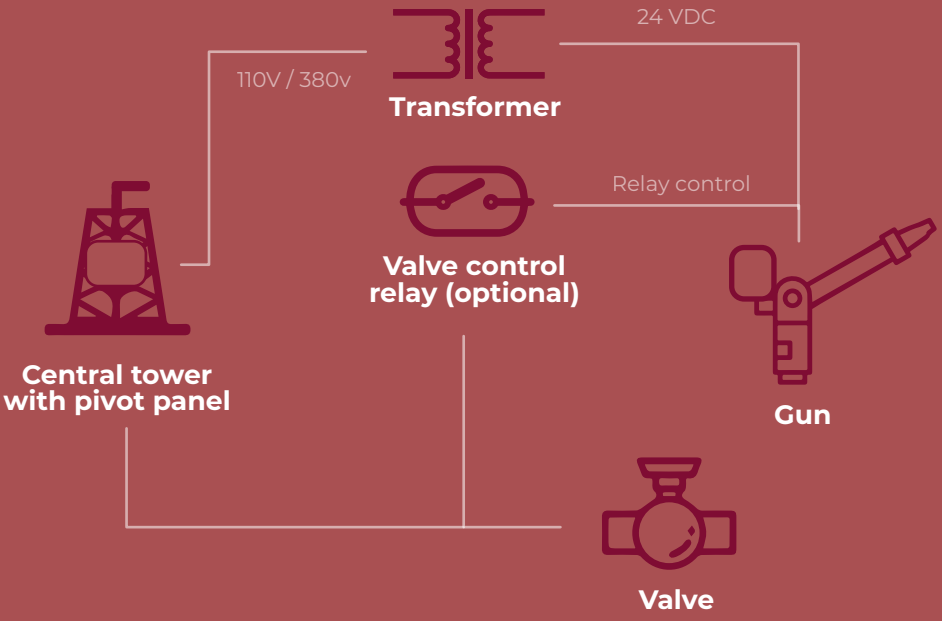
This system allows for water savings by avoiding irrigation outside the field. In fact, the field mapping is stored in the gun's memory so that it automatically adjusts the irrigation angles according to its position, nozzle, and range.



The cannon can directly control its opening valve to stop irrigation when it is not needed.
Moreover, valve management (opening and closing) enables the gun to maintain the same rainfall rate even when the irrigation angles change.

Electric diagram

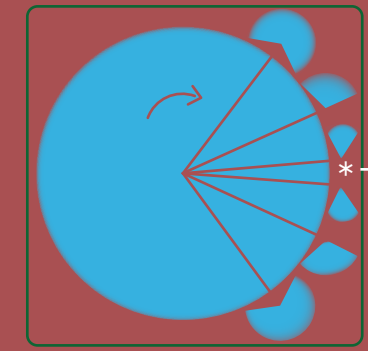
The gun must be powered at 24 VDC and controls the valve through a simple relay connected in series on the electrical connection between the pivot control panel and the valve itself.



Examples

Pivot

The sprinkler adjusts the irrigation angles and manages the valve to maintain uniform rainfall across the entire area.



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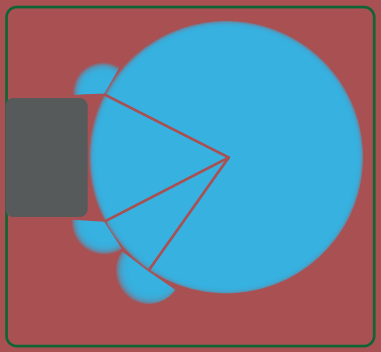
* Here, the valve closes for the necessary time (about one minute) to pass to the other side without watering outside the field.

Pivot

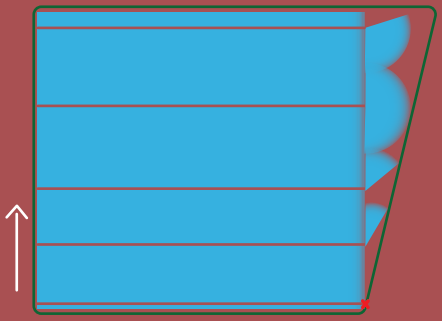
The sprinkler adjusts the irrigation angles and closes the valve when it is outside the field.



Examples

Ranger

The sprinkler adjusts the irrigation angles and closes the valve when the irrigated arc becomes too small (less than 15°)



Hippodrome

The sprinkler switches from linear to pivot mode and vice versa, maintaining uniform rainfall by managing the valve.