



About us

At **Seflek Irrigation** Systems, we are committed to advancing the future of agriculture through high-precision engineering, intelligent automation, and sustainable water management technologies. With a mission to enhance productivity, optimize water consumption, and bring cutting-edge solutions directly to the modern farmer, we proudly introduce our Satellite-Based Linear Irrigation System—a system designed to elevate irrigation performance with unparalleled accuracy, operational consistency, and long-term reliability.

Irrigation remains one of the most critical components of agricultural production. Our technology enables farmers to manage this process with precision, efficiency, and confidence, utilizing tomorrow's innovations today.

*Redefining Agricultural
Irrigation with Advanced Automation*



/Seflek Sulama

SEFLEK PIVOT

ŞEFLEK SULAMA SİSTEMLERİ TARIM PLASTİK MAKİNA OTOMOTİV SAN. ve TİC. LTD. ŞTİ.

Fezvi Çakmak Mah. Adana Çevre Yolu Cad.
No: 22/E Karatay/KONYA

0541 398 79 31
0549 548 42 38
0332 342 25 01

www.sefleksulama.com
info@sefleksulama.com

Linear and Center Pivot Irrigation Systems

SEFLEK PIVOT



Satellite-Based Controlling System

Our satellite-guided mechanism delivers exceptional movement accuracy—up to 3 cm precision—significantly reducing field deviations and minimizing any risk of misalignment. This ensures a consistently uniform and uninterrupted irrigation pattern, even across challenging field conditions.

- **Remote Access and Seamless Management**
 - Through secure online connectivity, the machine can be monitored, started, or stopped instantly—anytime and from anywhere. This provides operators with full control and complete operational transparency.
- **Automatic Pump Control**
 - The pump automatically activates at the beginning of the field and deactivates at the end, ensuring seamless transitions. Additionally, it is programmed to start and stop at designated hydrant points, optimizing both workload distribution and energy consumption.
- **Automated Hydrant Stop and Intelligent Notifications**
 - Upon reaching predetermined hydrant locations, the system halts automatically with absolute precision.
 - An instant notification is sent directly to the registered email address.
 - This real-time communication allows operators to intervene immediately in the event of unexpected conditions, enhancing operational safety and continuity.
- **Fault Detection and Instant Alerts**
 - In the event of any malfunction or irregularity within the system, an automated email alert is triggered.
 - The irrigation pump is safely shut down to prevent further complications.
 - This proactive mechanism minimizes downtime, reduces labor requirements, and enables rapid and efficient troubleshooting.



Sprinklers & Pressure Regulator

1. Homogeneous Water Distribution
2. Maintaining Constant Pressure
3. Active Prevention of Pressure Fluctuations

Regulators automatically react to changes in inlet pressure and maintain a constant outlet pressure, ensuring a stable irrigation pattern throughout the process. This eliminates uneven water distribution and safeguards crop integrity.

Part Circle-Adjustable Sprinklers for Wheel Zones

In linear irrigation systems, preventing water from falling directly onto the wheel areas is crucial for maximizing efficiency and minimizing operational wear. Our angle-adjustable sprinklers are specifically designed to:

- Direct and shape water flow with precision,
- Keep wheel zones dry and fully protected,
- Maintain uniform irrigation across the remaining cultivated area.

This specialized design ensures optimal water usage and superior field performance.



Material and Component Excellence

Every Şeflek product is built around the principles of durability, longevity, and high-value performance. Each component is selected and engineered to withstand the most demanding agricultural environments while delivering a reliable user experience.

High-Quality Galvanization All metal parts are protected with premium hot-dip galvanization, ensuring maximum resistance against corrosion, rust, and environmental stress. This long-lasting protective layer guarantees durability and preserves structural integrity for many years.

Electric Motor Quality

Our motors are designed with high efficiency, energy optimization, and overload protection in mind. They provide:

- Stable operational performance,
- Long service life,
- Compatibility with a variety of voltage requirements,
- Enhanced reliability under heavy load.

Heavy-Duty Gearbox Engineering

The gearbox features high-torque capability and low-friction engineering, ensuring maximum efficiency with minimal mechanical stress. Its robust construction offers exceptional resistance to impact, environmental exposure, and harsh field conditions.

Geomet-Coated Fasteners

Fasteners treated with Geomet coating provide superior corrosion protection against water, humidity, and chemicals. This coating prevents loosening, rusting, and long-term degradation, enhancing both safety and overall system durability.