

HARVEL Group Introducing Micro Irrigation Systems!!

Harvel is a company that offers a variety of products and services related to water management, irrigation, and more.



New Delhi, Delhi Sep 18, 2024 ([IssueWire.com](https://www.issuewire.com)) - In today's world, efficient water management and sustainable irrigation practices are crucial for agricultural productivity, landscape maintenance, and environmental conservation. Harvel Group, a leading company in this domain, stands out with its comprehensive range of products and services tailored to meet diverse water management needs. From cutting-edge irrigation equipment to advanced automated systems, Harvel Group has made significant strides in the industry, earning a reputation for quality and innovation.

Harvel is a company that offers a variety of products and services related to water management, irrigation, and more-

Our major product range includes, Dripline, Drippers- Inline/Online, HDPE pipes, Sprinklers- Mini and

Portable, Filters- Manual and Automatic, Polyhouse setup, Hydroponic Setup, Rotors, Popups.

Harvel provide services from designing to installation and maintenance of irrigation systems along with best after sales service.

In this blog, we will talk about Micro Irrigation systems a transformative tool in agriculture, their benefits, and how they can be a sustainable solution for farmers worldwide.

What is a Micro Irrigation System?

A micro irrigation system is a modern irrigation method that delivers water directly to plants through drippers, sprinklers, foggers, or other emitters placed on the surface or subsurface of the land, optimizing water use and improving crop efficiency.

Types of Micro Irrigation Systems-

Micro irrigation systems come in various forms to suit different types of crops, landscapes, and farming needs,

Drip Irrigation:- Water is delivered drop by drop directly to the base of each plant.

Sprinkler Irrigation:- Sprinklers are a type of irrigation system that distributes water by spraying it into the air, simulating natural rainfall. The water is delivered through a network of pipes and released by sprinkler heads, which break it into small droplets that evenly cover the surface of the soil or plants. Sprinklers are widely used for irrigating crops, gardens, lawns, and landscapes. They can be fixed or rotating and are ideal for a variety of terrains and plant types. Sprinkler systems help in efficient water usage by controlling the flow and coverage area.

Mini-Sprinklers:- Mini-Sprinklers are a type of sprinkler system that operates on a smaller scale compared to standard sprinklers. They are designed to deliver water in a fine spray or mist over a localized area, making them ideal for use in gardens, greenhouses, nurseries, and small agricultural plots. Mini-sprinklers are known for their precision and efficiency, providing adequate water coverage with minimal wastage.

Portable Sprinklers-

The portability of these sprinklers makes them particularly useful for farmers and landscapers who need flexible irrigation solutions.

Key components of a micro irrigation system-

Harvel Group, A New Delhi-based company, manufactures and supplies a variety of agricultural irrigation equipment.

Includes Harvel AZUD Drip Compact, Harvel AZUD Premier Line, Harvel Azud ASR NPC Online Dripper, MBTECH PC Online Dripper, and Harvel Azud Cylindrical Dripline.

Filters:- Includes AZUD LUXON LXE, Harvel AZUD Modular 100, Harvel AZUD HELIX SYSTEM, Azud luxon ldb, AZUD HELIX AUTOMATIC 200–300 Disc Filters, Azud luxon LCA, Harvel Drip Irrigation Filter, and AZUD SPIRAL CLEAN.

Sprinklers:- Includes circular sprinklers, Harvel micro sprinklers, Harvel rain guns, overhead sprinklers, and Harvel mini sprinklers.

Benefits of Micro Irrigation Systems-

Water Conservation:- Micro irrigation systems can reduce water usage by up to 50% compared to traditional methods. Water is applied directly to the root zone, minimizing wastage.

Improved Crop Yield:- Because water is consistently available to the plants in the right amounts, crops grow more uniformly, leading to higher yields and better-quality produce.

Cost Efficiency:- Despite the initial setup costs, farmers can save money in the long run through reduced water consumption and higher crop output.

Soil Health:- By minimizing water runoff and evaporation, micro irrigation prevents soil erosion and nutrient leaching, which helps maintain soil fertility.

Fertilizer Efficiency:- Fertigation, the process of delivering nutrients through irrigation, becomes more efficient with micro irrigation. It ensures that fertilizers reach the plants' roots directly, improving nutrient uptake and reducing waste.

Adaptability:- Micro irrigation systems are adaptable to various terrains and crop types, making them suitable for everything from small gardens to large-scale farms.

The Role of Technology in Micro Irrigation-

As the world of farming continues to evolve, technology is playing an increasingly important role in irrigation systems. Modern micro irrigation setups can be automated using Harvel AZUD smart controllers, which regulate water usage based on real-time data from soil moisture sensors and weather forecasts. This further enhances efficiency and ensures plants receive the right amount of water under varying conditions.

Additionally, Harvel AZUD remote monitoring systems enable farmers to control and monitor irrigation systems via smartphones or computers. This provides flexibility and ensures water conservation even in remote areas.

The Future of Irrigation with Harvel Group-

As climate change continues to impact global water resources, sustainable irrigation methods are no longer optional — they are essential. Harvel Group is leading the charge with its micro irrigation systems, offering farmers a smart, efficient, and sustainable way to grow crops while conserving one of the planet's most precious resources — water.

By introducing these systems, Harvel Group is not just improving farming techniques; they are creating a path for sustainable agriculture that benefits both the environment and the economy.

Harvel Group's role in sustainability and innovation presents the micro irrigation system as a solution to modern agricultural challenges.

Contact Us-

For those interested in Harvel's services, getting in touch is easy. Harvel's team is always ready to discuss your needs and provide tailored solutions that meet your specific requirements.

Address: Office no. 301-304, Meghdoot, 94 Nehru Place, New Delhi-110019

Phone: (011) 47062584, +91 9643405022

Email: info@harvel.in Web- www.harvel.in



Media Contact

Harvel Group

info@harvel.in

Office no. 301-304, Meghdoot, 94 Nehru Place, New Delhi-110019

Source : Harvel Group

[See on IssueWire](#)