

THE COMPLETE **DRIP IRRIGATION** SYSTEM

Uniform **Water Distribution**



Healthy Crop Growth



Water & Energy Saving



Durable & Easy Installation



• **PLAIN** • **INLINE** • **RAIN** • **ROUND**



mobitech **dflow**™

FLAT INLINE LATERAL PIPES

Your Solution for Precise & Efficient Micro Irrigation

The **Flat Inline lateral** is a sophisticated micro irrigation solution featuring factory integrated flat drippers. Its streamlined internal design minimizes friction and allows for longer lateral lengths, making it the ideal choice for farmers seeking high efficiency water management and maximum crop uniformity.



For Row Crops
and Vegetable Farms



Resilience



UV Resistant
Coating



Uniform
Water Flow

FLAT INLINE **LATERAL PIPES**

Your Solution for Precise & Efficient Micro Irrigation

FEATURE HIGHLIGHTS

- **Efficient Water Distribution:** Advanced flat dripper technology ensures every plant receives an equal amount of water and nutrients.
- **Clog Resistant Design:** Engineered with a large filtration area and turbulent flow path to prevent sediment buildup.
- **Enhanced Field Flexibility:** The flat profile allows for easier winding, unwinding, and installation across various terrains.
- **Maximized Crop Yield:** Precision irrigation reduces plant stress and promotes faster, healthier growth cycles.
- **Superior Durability:** Built from high quality materials to resist cracking and environmental degradation in tough field conditions.

TECHNICAL SPECIFICATIONS

Specification	Details
Available Size	16mm / 40cm / 4 LPH
Micron Options	600 Micron & 800 Micron
Dripper Type	Integrated Flat Emitter
Ideal For	Sugarcane, Vegetables, and Intensive Row Crops



SAND FILTER | DISC FILTER



mobitech **dflow**™

PLAIN LATERAL PIPES

The Foundation of Custom Irrigation

The **Plain Lateral** is a versatile, high strength transport pipe designed for fully customizable irrigation layouts. Without pre installed drippers, these pipes act as a reliable manifold, allowing farmers to punch in emitters exactly where needed or connect to various sprinkler and micro spray systems.



Strength



Smooth Water
Delivery



Leak Resistant
Joints



Long Lasting
Material

PLAIN LATERAL PIPES

The Foundation of Custom Irrigation

FEATURE HIGHLIGHTS

- **Customizable Configuration:** Provides the flexibility to install online drippers or jets at specific intervals tailored to your crop spacing.
- **High Pressure Tolerance:** Engineered to handle fluctuating water pressures without bursting or deforming over time.
- **Superior Environmental Shield:** Fortified against UV rays and chemical corrosion, ensuring the pipe remains flexible and crackfree.
- **Multi System Compatibility:** Seamlessly integrates with both drip irrigation setups and overhead micro sprinkler systems.
- **Low Maintenance Design:** The smooth internal surface minimizes friction and prevents the accumulation of algae or mineral deposits.

TECHNICAL SPECIFICATIONS

Specification	Details
Available Sizes	12mm / 16mm / 20mm
Micron Options (16mm)	Medium (600 Micron) & Heavy (1100 Micron)
Material	Premium Grade Polyethylene
Compatibility	Online Drippers, Micro Sprinklers, and Foggers

Micro Irrigation [Laterals & Sprinkler] Dflow



mobitech **dflow**™

RAIN PIPES

Precision Rain Fall For Every Field

The **Rain Pipe** is a revolutionary laser perforated irrigation solution designed to mimic the gentle spray of natural rainfall. It serves as an efficient alternative to traditional sprinkler systems, providing uniform overhead coverage that keeps soil moist and crops healthy without the need for high-pressure pumps.



Uniform
Water Spray



Efficiency



Portability



Easy To Install

RAIN PIPES

Precision Rain Fall For Every Field

FEATURE HIGHLIGHTS

- **Natural Micro Climate Creation:** The fine spray reduces ambient temperatures around the plant, creating an ideal growing environment for sensitive crops.
- **Broad Surface Coverage:** Engineered to spray water on both sides with equal intensity, ensuring no dry patches in your nursery or field.
- **Energy Efficient Performance:** Operates effectively even at lower water pressures, significantly reducing electricity and pumping costs.
- **Clog Resistant Laser Holes:** Nano-punched holes are designed to resist blockages, ensuring a consistent spray pattern throughout the season.
- **Rapid Deployment:** Its flexible, flat-folding design allows for quick installation and easy relocation between different plots.

TECHNICAL SPECIFICATIONS

Specification	Details
Available Sizes	20mm / 40mm
Micron Options	250 Micron & 350 Micron
Spray Range	Up to 10 - 15 FT (Depending on Pressure)
Ideal For	Leafy Vegetables, Onions, Groundnuts and Nurseries



mobitech **dflow**™

ROUND LATERAL PIPES

Precision Drip Irrigation

The **Round Lateral** is a high performance irrigation solution designed for uniform water distribution. Engineered with a smooth circular profile, these pipes provide the structural integrity and hydraulic balance needed for efficient, clog resistant drip systems in diverse agricultural landscapes.



Precision



Balanced Pressure
Throughout the line



Durability



Minimal Water Wastage
and Friction Loss

ROUND LATERAL PIPES

Precision Drip Irrigation

FEATURE HIGHLIGHTS

- **Optimized Flow Dynamics:** The round shape prevents sediment buildup and ensures a steady flow rate.
- **UV Chemical Resistance:** Manufactured to withstand harsh sunlight and common liquid fertilizers.
- **Flexible Installation:** Easily adapts to different field layouts, whether in open farms or greenhouses.
- **Consistent Crop Growth:** Delivers exact water volumes to every plant, ensuring a synchronized harvest.
- **Cost Effective Longevity:** High quality wall thickness options reduce the need for frequent replacements.

TECHNICAL SPECIFICATIONS

Specification	Details
Available Sizes	16mm / 40mm / 4mm 16mm / 40mm / 8mm
Micron Options	600 Micron & 800 Micron
Material	High-Grade Virgin Polyethylene
Application	Drip Irrigation for Row Crops & Orchards

300000+

installation across india

Manufacturer

Mobitech Wireless Solution Private Limited

#1/4, Vengamedu, Erode Road, Perundurai – 638 052
Erode District, Tamil Nadu, **INDIA.**

Phone : +91 99 4343 0000

E-mail : sales@mobitechwireless.in

Web : www.mobitechwireless.in



Product Catalogue

Version 2.0