

AN ISO 9001: 2015 COMPANY



LEADER IN QUALITY AND TECHNOLOGY

# Leader in Piping Solutions



## All Plastic Piping Systems Under One Roof

Sudhakar Drip and Sprinkler Irrigation Systems





Sand Filter Assembly

**Applications:**

- Filtration of water in micro irrigation systems to prevent clogging due to physical and biological impurities.
- Essential use for open water source.

**Available Sizes**

- Available in 2-3 inches.



Screen Filter

**Applications:**

- Used as Secondary Filtration for open field sources like River, Lake, Farm Pond, Open well and Storage Tanks.
- Used as Primary Filtration for Tube Well, Bore Well to avoid clogging due to physical and biological impurities.

**Available Sizes**

- Available in 2-3 inches.



Hydro Cyclone Filter Assembly

**Applications:**

- Used in micro irrigation systems to remove sand and silt particles from irrigation water.

**Available Sizes**

- Available in 2-3 inches.



Ventury Unit Assembly

**Features and Benefits:**

- Venturi Injectors controlled / adjustable suction of fertilizer.
- Fertigation is based on proportionate principle.
- Uniform application of fertilizer.

**Available Sizes**

- Available in 1 & 2 inches.



Air Release Valve

Air valves are hydromechanical devices with an internal float mechanism. Designed to release trapped air and wastewater gases during filling and operation of a Drip irrigation system.



Pressure Gauge

Drip irrigation pressure gauge can help you plan better. Gauges and meters can also track the amount of water you are using and help you find ways to run the system even more efficiently.



Throttle Valve

**Features and Benefits:**

- Both 1" & 1.5" connections for air vents in single port.
- Double Pressure gauge ports with brass bushes.
- UV Stabilized.
- Corrosion resistant, this is major problem with metal head units.

**Applications:**

- Easy to install Ventury / Fertilizer Tank and Control Injection rate of fertilizer.

**Available Sizes**

- Available in 2-3 inches.



Ball Valve

**Features and Benefits**

- Manufactured with high performance rigid PVC compound.
- Excellent chemical & corrosion resistance.
- Low frictional losses.

**Applications**

- Used for flow control in irrigation & water supply lines.

**Available Sizes**

- Available in 32-110mm sizes.



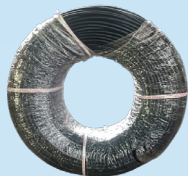
Lateral Pipes

#### Features and Benefits:

- Polytube is manufactured by using advanced extrusion technology.
- No effect of UV radiations.
- No environment effects.
- Smooth inner surface minimizes frictional losses.

#### Applications:

- Use as a connection tube to sub-main with Inline.



Emitting Pipe Cylindrical

#### Features and Benefits:

- Manufactured by using advanced extrusion technology.
- Excellent characteristics of LLDPE provide tubing with close dimensional tolerance.
- No effect of UV radiations.

#### Applications:

- For close spacing crops like sugarcane, vegetables, cotton and medicinal plants.
- For Fruit crops like: Pomegranate, Anjeer, Banana, Mango & Sapota.



Flush Valve

#### Features and Benefits:

- Easy to ON & OFF.
- Special "O" ring provided for leak proof performance.
- Equipped with stopper for Cap.
- Large Opening for Dirt Removal.

#### Applications:

- Suitable for flushing the entire drip irrigation system & water supply line.

#### Available Sizes

- Available in 40-110mm sizes.



Emitting Pipe Flat

#### Features and Benefits:

- Manufactured by using advanced extrusion technology.
- Smooth inner surface minimize friction losses.
- Excellent flow characteristics.

#### Applications:

- For closed spacing crops like sugarcane, vegetables, cotton and medicinal plants.
- For Fruit crops like: Pomegranate, Anjeer, Banana, Mango & Sapota.



Micro Line (Non ISI Inline 0.4mm wall thickness)  
Slim Line (Non ISI Inline 0.2mm wall thickness)

#### Features and Benefits:

- Manufactured with international standards: 18mil
- Smooth inner surface minimizes friction losses.
- Excellent flow characteristics

#### Applications:

- For closed spacing crops like Various types of vegetables, cotton, medicinal plants and other short duration close spacing seasonal crops.



Drippers

#### Features and Benefits:

- Manufactured by using advanced extrusion technology.
- Turbulent flow path with wide cross sectional area makes the dripper clog resistant.
- Openable Dripper for easy cleaning.



Poly Fittings & Thinwall Fittings

#### Features and Benefits

- UV resistant.
- Feasible for thick wall thickness Polytube.
- Tape Lock Provision: Special Cap provided to lock the thin wall thickness tube.

#### Applications

- Used for connection purpose for drip irrigation plain laterals and inline laterals.

#### Available Sizes

- Available in 12 mm, 16 mm and 20 mm sizes.



**HDPE Pipe Sprinkler Set**

#### Features and Benefits:

- Full circle impact sprinkler.
- Brass head with cored water passage and double bridge construction.
- Wide impact area increases level life.
- Brass range nozzle for precise water jet and large radius coverage.
- Spreader nozzle for low range water dispersion.
- Sprinkler pipes are manufactured from high quality virgin pipe grade materials having excellent flow characteristics.

#### Applications

- Sprinkler irrigation system is suitable for almost all field crops like groundnut, sugarcane, wheat, pulses, vegetables, soybean, tea, coffee & fodder crops.

#### Available Sizes

- Sprinkler pipes are available from 63 mm to 110 mm in 2.5 kgf/cm<sup>2</sup>, 3.2 kgf/cm<sup>2</sup>, & 4 kgf/cm<sup>2</sup>
- These pipes are available in both " L " type & " k " type.



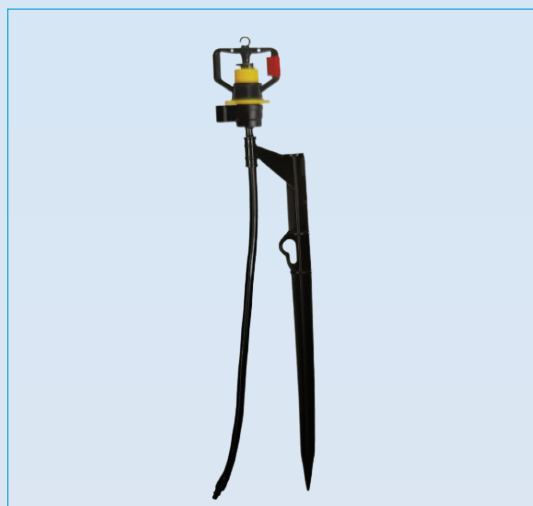
**Mini Sprinkler**

#### Features and Benefits:

- Uniform water application is maintained ensuring optimum soil moisture ratio.
- Durable and weather resistant - long life span.
- Easy to install and dismantle with visibility of operation.
- Being a versatile system, can be used for 2 -3 crops each year.
- Available in both Full and Part Circle adjustment.
- Adjustable jet breaker to provide uniform rainfall.
- Equipped with interchangeable nozzles of different sizes for various applications.

#### Applications:

- Suitable for field crops, tea and coffee plantations, root crop vegetables, dust suppression, sport fields and golf.
- Useful for frost control.



**Micro Sprinkler**

#### Features and Benefits:

- Recommended Spacing: upto 5 mtr (For Range Rotor).
- Coverage Diameter : Mister : 1.5 - 4 mtr.
- Coverage Diameter : Range Rotor : 7 - 10 mtr.
- Discharge Flow Rates : 24 to 200 ltr.
- Operating Pressure Range : 1 to 3 kg/cm<sup>2</sup>.
- With support of bayonet nozzle it can be used at high operation pressure.
- Pin & Bayonet connectors are available to connect to lateral.

#### Applications

- Green houses.
- Horticulture & Agriculture.
- Under Tree Cultivation.
- Ideal for Overhead cooling and frost protection.

Manufactured By

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