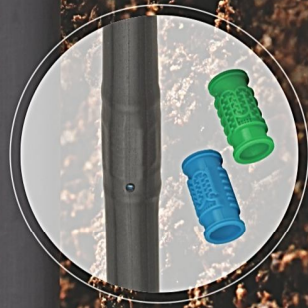


Drip Irrigation System



Drip Irrigation System |



Drip irrigation system is application of water directly in to the root zone of plant as per water requirement. Dripline manufacturing from fully automatic machinery from latest technology of ISRAEL & USA. Emitter specially designed for highly resistance to clogging and uniform discharge. Drip irrigation system consists of Filters, PVC / HDPE pipes, Emitting pipes, Laterals, Valves and Poly Fittings irrigation equipments.

Advantages of Drip Irrigation System

- Uniform distribution of water to each plant.
- Uniform distribution of fertilizer.
- Increase Irrigation area.
- Increase productivity and quality of crop.
- Maintain soil fertility.
- Able to irrigate sloppy land.
- Reduce labour cost.
- Reduce soil erosion.
- Save water, fertilizer, electricity, & time.

Product Name : Emitting pipe (Slim & Round Dripline)

Diameter : 16mm & 20mm

Discharge : 2 lph & 4 lph

Thickness : 0.2mm to 1.1mm

Application : Sugarcan, Cotton, Castor, Grapes, Banana, Vegetables, Flowers and Greenhouse etc.

Technical Specification

Sr. No.	Diameter	Dripper Spacing	Discharge	Wall Thickness		Max. Pressure (Bar)
				mil (approx)	mm	
1	16mm & 20mm	15cm to 150cm	1 to 4 lph	8	0.20	1.2
2	16mm & 20mm	15cm to 150cm	1 to 4 lph	12	0.30	1.6
3	16mm & 20mm	15cm to 150cm	1 to 4 lph	16	0.40	1.8
4	16mm & 20mm	15cm to 150cm	1 to 4 lph	20	0.50	2.0
5	16mm & 20mm	15cm to 150cm	1 to 4 lph	24	0.60	2.0
6	16mm & 20mm	15cm to 150cm	1 to 4 lph	28	0.70	2.0
7	16mm & 20mm	15cm to 150cm	1 to 4 lph	32	0.80	2.0
8	16mm & 20mm	15cm to 150cm	1 to 4 lph	36	0.90	2.0
9	16mm & 20mm	15cm to 150cm	1 to 4 lph	40	1.00	2.0
10	16mm & 20mm	15cm to 150cm	1 to 4 lph	44	1.10	2.0

Product Name : Irrigation Lateral

Diameter : 16mm, 20mm, 25mm & 32mm

Thickness : 0.9mm to 2.2mm

Application : Horticulture Crops like Grapes, Banana, Mango, Pineapple etc.

Technical Specification

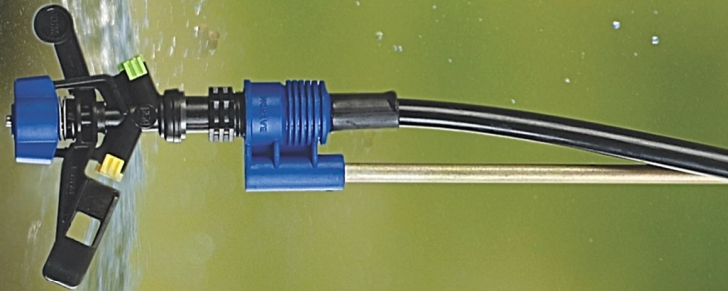
Sr. No.	Diameter	Wall Thickness (Class-I)			Wall Thickness (Class-II)		
		mil (approx)	mm	Max. Pressure (Bar)	mil (approx)	mm	Max. Pressure (Bar)
1	16mm	36	0.9	2.0	48	1.2	2.0
2	20mm	40	1.0	2.0	52	1.3	2.0
3	25mm	56	1.4	2.0	76	1.9	2.0
4	32mm	68	1.7	2.0	88	2.2	2.0

Product Name : Online Emitter (Dripper)

Discharge : 2, 4 & 8 lph

Application : Online Drip Irrigation System

Mini Sprinkler Irrigation System



Mini Sprinkler[®] Irrigation System |

BALSON[®]
Irrigation Systems

Balson Mini Sprinkler irrigation is fixed overhead irrigation system, specially designed as per suitability of different crops & climatic conditions with lower costs which gives high quality higher yield. High impact heavy-duty plastic materials provide resistance to corrosion, chemical and radiation. Mini sprinkler irrigation system is use for close spacing and vegetable crop such as groundnut, potato, cumin, wheat, garlic, onion etc.

Advantages of Mini Sprinkler Irrigation System

- Uniform distribution of water with fine droplet size.
- Uniform distribution of water in sloppy area.
- Increase productivity and quality of crop.
- Increase irrigation area compare to flood irrigation.
- Reduce labour cost.
- Reduce soil erosion.
- Maintain soil fertility.
- Cheaper than drip irrigation system.
- Save water, fertilizer, electricity, & time.
- Easy installation and low maintenance.

Product Name : Mini Sprinkler Nozzle

Size : ½" male threaded in full circle and adjustable.

Discharge : 400 to 600 lph at 2 to 4 pressure bar.

Application : Mini Sprinkler Irrigation System.

Product Name : Extension Tube, Male / Female Connector

Size : 13mm

Application : Mini Sprinkler Irrigation System.

Product Name : Installation Stake

Size : 8mm Dia. x 1.2 Meter long Zink Coted.

Application : Mini Sprinkler Irrigation System.

Product Name : Male / Female Adaptor

Size : ½"

Application : Mini Sprinkler Irrigation System.

Product Name : Compression Fittings - Male Threaded Elbow, Tee, Adaptor, End Cap

Size : 25mm & 32mm

Application : Mini Sprinkler Irrigation System.

Green House & Shade Net House

Green House & Shade Net House |



The greenhouse technology is an appropriate intervention for crop production, particularly in hostile climatic conditions. It has the potential to give manifold production of quality produce round the year from small land holding compared to the open field cultivation. A greenhouse works on the principle that crop production is influenced not only by heredity but also by the micro-climate around the plant. The components of climate are light, temperature, relative humidity, air composition and nature of root medium. Under a greenhouse, these factors can be well controlled so that the plant gets best environment for production. However, the concept holds good only, if the design of the greenhouse is suitable as per the climatic conditions. The design and construction of a greenhouse is a specialized activity, which is undertaken by professional organization. Any faulty design can kill the crop in no time; hence same is of greater importance.

The greenhouse protects the plants from adverse climatic conditions and provides an appropriate amount of light, temperature, humidity, carbon-dioxide etc. to achieve optimum yield with excellent quality. The reason for building a greenhouse is to get faster growth by raising humidity and controlling temperatures. Labor, energy and capital are the major three cost factors in a typical modern greenhouse production system. Greenhouse technology is highly relevant under Indian conditions due to variant agro-climatic conditions of the country.

A greenhouse is a framed structure made of GI pipes/MS angle /Wood/bamboo and covered with a transparent/translucent material fixed to frame with gripper. Besides irrigation, it has control/monitoring equipment, which is considered necessary for controlling environmental factors such as temperature, light, relative humidity etc. and is necessary for maximizing plant growth and productivity. Thus, the greenhouse is an enclosed area, in which crops are grown under partially or fully controlled conditions. The cladding material is of plastic film and acts like a selective radiation filter that allows solar radiation to pass through it but traps the thermal radiation emitted by the inside objects to create greenhouse effect.

Why Need of Greenhouse ?

Earth's temperature is continuously increasing day by day. Working efficiency of person is decrease due to work in high temp. In addition farmer becoming poor & poor due to wastage of water, expense of fertilizer, pesticides and weeds in crop. We are also experienced in the natural disparities. Farm labour shortages are appearing constantly. Despite these difficult circumstances, Agriculture land under cultivation is more but income is low. Along with natural reason, a manmade social reason is over population results in small land holdings. In these circumstances, greenhouse is the best option for better income, which means less land, higher production, low expense and more income. A one-time investment in development of agriculture is a chance to be leader in society.

Advantages of Greenhouse

- Yield increase by 5-15 times or even more.
- Reduction in labour cost.
- Less fertilizer requirement, thus reduction in fertilizer cost.
- Low water requirement thus saving in water.
- Our banks offer Loan to make Greenhouse and the government has also give a large subsidy.
- Once you've Building a strong greenhouse give us longtime production.
- By modern agriculture, water, medicine, fertilizer and weed as well as cost of agricultural labour are saved and labours are enjoying their works under shadow.
- In Greenhouse, crop and product are safe. (help to control pest & diseases protects the crop, wind, rain, snow, birds hail etc.) In addition, the rich quality of the crop is produced.
- We can get 100% production only from the 5% land of the open land cultivation.

Suggested Crop Cycle For Greenhouse

Crops	Periods/crop cycle month	
	Transplanting	Harvesting
Tomato	Varieties available for round the year cultivation	
Green capsicum / color	August - September	April - March
Capsicum-spinach 2 season	April - May	July - August
Or okra	February	May - June
Cucumber - Cauliflower / Leafy Vegetable / okra	November - December April - May	March - April October - November
sPropagation of fruit crops etc.	3 cycle round the year	June
Flowers	Round the year	

Rigid PVC Pipes & HDPE Pipes



Rigid PVC Pipes & HDPE Pipes |



Rigid PVC Pipes

BALSON Rigid PVC Pipes are manufactured in our fully automatic plant. Balson pipes used for Agriculture, Micro irrigation system, Building Construction, Lifting, Transporting, Distributing Disposing or Tapping of Water.

Advantages of Rigid PVC Pipes

- Easy to Installed and transport as compare to plain ended and loose couplers,
- Reduce friction loss and saving energy of pump.
- More and uniform discharge of water
- Non toxic in nature

Product Name : Rigid PVC Pipes

Size : 20mm to 315mm

Pressure rating : 2.5 kg/cm² to 10 kg/cm²

Application : Main and sub main line for Drip and Sprinkler Irrigation System

HDPE Pipes

BALSON HDPE Pipes are manufactured in our fully automatic plant. Balson pipes used for supplying & lifting the water and also use for Micro irrigation system. It also used in various industries.

Advantages of HDPE Pipes

- Corrosion and Chemical resistance
- Reduce friction loss and saving energy of pump.
- More durability, high impact strength and light weight
- Low installation cost and Easy in transportation

Product Name : HDPE Pipes

Size : 20mm to 315mm

Pressure rating : 2.5 kg/cm² to 10 kg/cm²

Application : Water Supply, Lift Irrigation, Drip main & distribution pipe line, chemical, fertilizer, Food & Dairy plants pipe lines instead of metal of cement pipes



Accessories

Irrigation System |



Filters

Filters are main part of drip irrigation system. Filter use for separate very fine and heavy impurities of water for long life resistance of dripper clogging.

Product Name : Hydrocyclone Filter
 Size : 2", 2½" & 3" in Plastic & Metal Body
 Discharge : 20 to 50 m³/hr.
 Application : Primary Filter in Drip and Mini Sprinkler Irrigation System

Product Name : Gravel Filter
 Size : 2", 2½" & 3" in Metal Body
 Discharge : 20 to 50 m³/hr.
 Application : Primary Filter in Drip and Mini Sprinkler Irrigation System

Product Name : Disc Filter
 Size : 2", 2½" & 3" in Plastic Body
 Discharge : 20 to 50 m³/hr.
 Application : Secondary Filter in Drip and Mini Sprinkler Irrigation System

Product Name : Screen Filter
 Size : 2", 2½" & 3" in Plastic & Metal Body (120 Mesh)
 Discharge : 20 to 50 m³/hr.
 Application : Secondary Filter in Drip and Mini Sprinkler Irrigation System

Fertigation Equipment

The most important process of irrigation with water soluble fertilizer is called fertigation. Mainly Ventury Injector and Fertilizer tank use as fertigation equipment.

Product Name : Fertilizer Tank
 Size : 30, 60 & 90 Litre (Metal Body)
 Application : Application of water soluble fertilizer particularly where flow pressure is low in Drip & Mini Sprinkler Irrigation System.

Product Name : Ventury Injector
 Size : ¾", 1", 1½" & 2"
 Application : Application of water soluble fertilizer in Drip & Mini Sprinkler Irrigation System.