

ATLANTIS

ENGINEERING & CONSULTING LIMITED

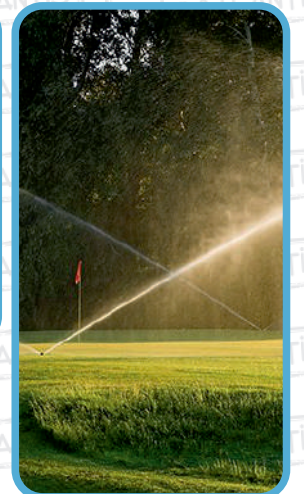
COUNT ON IT

AGRICULTURE



GREENHOUSE

LANDSPACE



GOLF

www.atlantiseng.co.uk



Landscape irrigation is an irrigation system used to create and maintain lawns, gardens and private landscapes. The main function of a landscape irrigation system is to ensure a regular and even distribution of water throughout any landscape.



The type of irrigation design and system depends on a number of factors, such as the size of the lawn or garden, geographical location, underground installation and environmental regulations. It also depends on different types of plant life, such as flowers, trees, vegetables, and even the type of grass. Despite the many different factors involved in landscape irrigation and systems, there are only four basic irrigation systems. These include drip systems, mobile systems, overhead systems and underground lawn irrigation systems.



Not only can a properly installed irrigation system save you time and money by assuring a healthier landscape, it can also actually conserve water.



GOLF IRRIGATION

"best irrigation systems for golf courses"



A golf course is often a "built" environment and therefore requires extensive management. A typical golf course is mown, watered, fertilized, drilled, sprayed and tilled until large numbers of people can walk on it, get on vehicles and still remain a smooth and green playground.

Most golf courses require rightwatering to maintain healthy grass and good playing conditions.



In many parts of the world, these systems, which were created for the purpose of irrigating large agricultural areas with the most economical and high performance, have been accepted by the irrigation of many plants in different land and climate conditions over the years.

Composed of completely galvanized steel pipes and steel construction, the system moves in a circular rotation on a reinforced concrete platform and automatically irrigates without human touch.

CENTER PIVOT IRRIGATION SYSTEMS

Center Pivot Irrigation Machines can operate at slopes up to 15%. The water usage efficiency in Center Pivot Irrigation Systems reaches 90-95%.

Center Pivot Irrigation Machines consist of towers between 34-65 meters. With the systems, thousands of acres of land can be irrigated automatically without human touch. Systems can start from 34 meters and reach a radius of 1300 meters. (A single machine can irrigate up to approximately 530 hector)



SECTORAL PIVOT : Systems operating at different angle degrees (except 360 degrees) that cannot rotate fully in plots close to the square are called Sectoral Pivot.

CORNER PIVOT : In the circularly moving Center Pivot Systems, more areas can be irrigated thanks to a specially designed tower added to irrigate the corner areas where the system cannot reach.

TOWABLE (MULTICENTER) PIVOT : A single system is used to irrigate multiple plots. Thanks to the wheels that are mounted on the central tower and can move (in different directions), it can be transported to the new area to be irrigated by self-propelled or towed with the help of a tractor.

MINI PIVOT : Atlantis Mini Pivot, which we designed for smaller fields, automatically irrigates with a smaller diameter (4 1/2') galvanized pipeline that moves circularly on a reinforced concrete platform equipped with steel and contains high durability.

MOBILE CENTER DRIP IRRIGATION SYSTEMS

These are systems that have been developed due to the more efficient use of decreasing water resources and the need for automatic irrigation machines. With the drip irrigation pipes added to the existing Center Pivot irrigation machines, the machines have the capability of both sprinkler and drip irrigation. In this way, the advantages of drip irrigation and the advantages of center pivots are combined to enable irrigation. . Water application efficiency can reach up to 95-98%.

1) As a result of the use of multi-year drip irrigation pipes, it is environmentally friendly. You don't have to buy drip irrigation pipes all the time.

2) It is economical and easy to maintain since a pipe is used at a rate of 1% -10% of the current drip irrigation pipe amount.

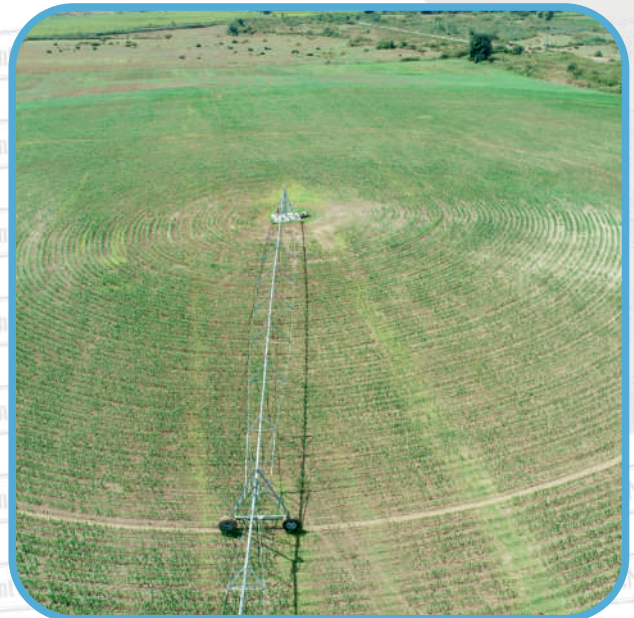
3) It provides the opportunity to do both sprinkler and drip irrigation with the same machine.

4) It is an automatic system. In this way, labor costs are minimized.

5) Fertilizers and pesticides can be applied either from the leaves or to the soil.

With Center Pivot Irrigation Systems,

- Corn, Wheat, Sunflower
- Candy Cane, Canola,
- Barley, Clover,
- Sugar beet,
- Dwarf Fruit and Citrus Trees,
- Melon watermelon,
- All forage crops,
- Cotton, Onion, Potato
- Legumes,
- And many other plants can be watered.



LINEAR IRRIGATION SYSTEMS

ALL LINEAR IRRIGATION SYSTEMS PRODUCTS;

- 2 WHEEL LINEAR SYSTEM
- 4 WHEEL LINEAR SYSTEM
- HIPPODROME LINEAR SYSTEM
- CENTER LINEAR SYSTEM
- CANAL SUCTION LINEAR SYSTEM
- TOWABLE LINEAR SYSTEM
- DITCH FEED LINEAR SYSTEM
- MONO SPAN LINEAR SYSTEM
- MOBILE LINEAR DRIP SYSTEM
- MINI LINEAR SYSTEM

Linear irrigation systems are systems developed to irrigate thin and long rectangular fields by moving straight. For the system to work, the machine takes water along a line and irrigates by moving linearly. The machines can work comfortably at slopes of up to 4-5%. The length of the systems can reach up to 1000 meters.

Linear Irrigation Machines can provide irrigation efficiency up to 85-95%. Linear Irrigation Machines do not leave an irrigated area by irrigating up to 98% of the land. It is possible to fertilize from a single center with systems.

Linear Irrigation Machines can provide irrigation efficiency up to 85-95%. Linear Irrigation Machines do not leave an irrigated area by irrigating up to 98% of the land. It is possible to fertilize from a single center with systems.

With Linear Irrigation Systems;
Corn, Wheat, Sunflower,
Sugarcane, Canola, Barley,
Alfalfa,
Sugar beet,
Scrub fruit and citrus trees,
Melon,
Watermelon,
All forage crops, cotton, onions, potatoes,
pulses and many other plants can be watered.



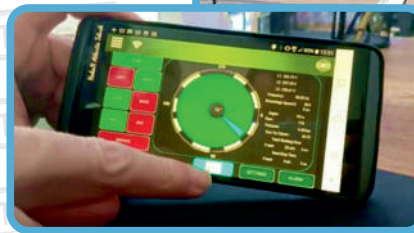
SMART IRRIGATION SYSTEM

Discover Our Smart Irrigation System...

It can be operated completely automatically with remote control and can be easily monitored and controlled from a mobile phone, tablet or computer during the day. In addition, you can easily follow the operations you have done in irrigation and view the annual irrigation operations in the field. By incorporating meteorological stations and soil moisture sensors into the system, irrigation can be done with clear data.



- ◆ REMOTE CONTROLLER
- ◆ TFT LED PANEL
- ◆ METEOROLOGY STATION
- ◆ FLOWMETER
- ◆ FERTILIZER DOSING KIT
- ◆ SOIL SENSOR

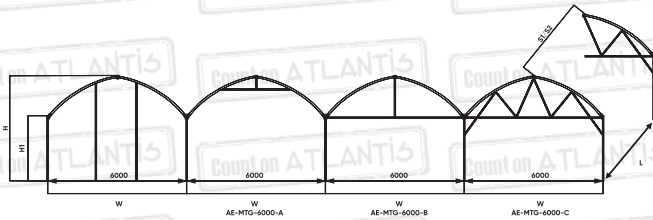


DRIP IRRIGATION

Drip irrigation is a method of crop irrigation that involves a controlled delivery of water to plants through system of pipes, valves, tubing and emitters. The water is delivered from a source directly to the root zone of individual plants or to the surface of the soil.



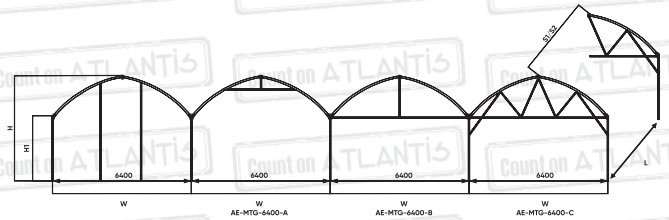
6 MT GREENHOUSE WITH GUTTER



DESCRIPTION

Model	AE-MTG-6000-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	6000 MM
Top Arches Height (H)	4600 MM / 5600 MM
Under Gutter Height (H1)	3000 MM / 4000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover
Model	AE-MTG-6000-B
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	6000 MM
Top Arches Height (H)	4600 MM / 5600 MM
Under Gutter Height (H1)	3000 MM / 4000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover
Model	AE-MTG-6000-C
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	6000 MM
Top Arches Height (H)	4600 MM / 5600 MM
Under Gutter Height (H1)	3000 MM / 4000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

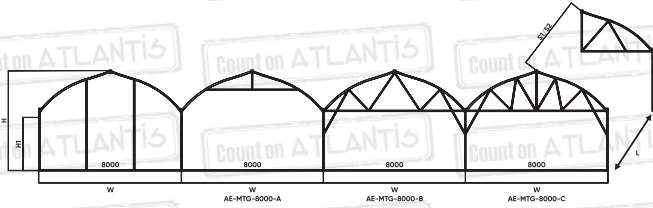
6.4 MT GREENHOUSE WITH GUTTER



DESCRIPTION

Model	AE-MTG-6400-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	6400 MM
Top Arches Height (H)	4800 MM / 5300 MM / 5800 MM
Under Gutter Height (H1)	3000 MM / 3500 MM / 4000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover
Model	AE-MTG-6400-B
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	6400 MM
Top Arches Height (H)	4800 MM / 5300 MM / 5800 MM
Under Gutter Height (H1)	3000 MM / 3500 MM / 4000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover
Model	AE-MTG-6400-C
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	6400 MM
Top Arches Height (H)	4800 MM / 5300 MM / 5800 MM
Under Gutter Height (H1)	3000 MM / 3500 MM / 4000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

8 MT GREENHOUSE WITH GUTTER



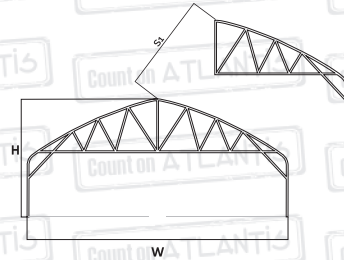
DESCRIPTION

Model	AE-MTG-8000-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	8000 MM
Top Arches Height (H)	5700 MM / 8200 MM
Under Gutter Height (H1)	3500 MM / 6000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

Model	AE-MTG-8000-B
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	8000 MM
Top Arches Height (H)	5700 MM / 8200 MM
Under Gutter Height (H1)	3500 MM / 6000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

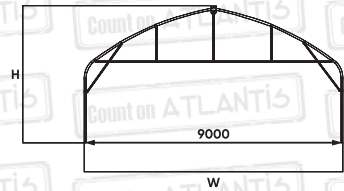
Model	AE-MTG-8000-C
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	8000 MM
Top Arches Height (H)	5700 MM / 8200 MM
Under Gutter Height (H1)	3500 MM / 6000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

9 MT TUNNEL GREENHOUSES



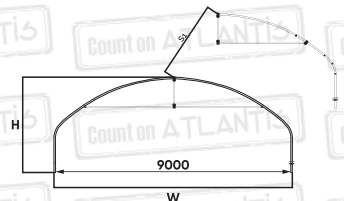
DESCRIPTION

Model	AE-STG-9000-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	9000 MM
Top Arches Height (H)	3500 MM / 5000 MM
Distance Between Arches (S1/S2)	2000 MM / 2500 MM / 3000 MM
Covering Material	Suitable For Polyethylene Plastic Cover



DESCRIPTION

Model	AE-STG-9000-B
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	9000 MM
Top Arches Height (H)	3500 MM / 5000 MM
Distance Between Arches (S1/S2)	2000 MM / 2500 MM / 3000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

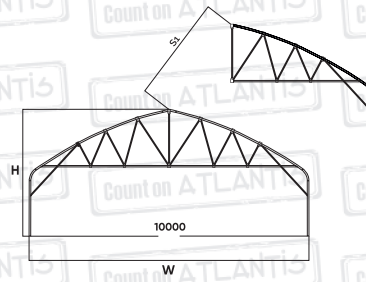
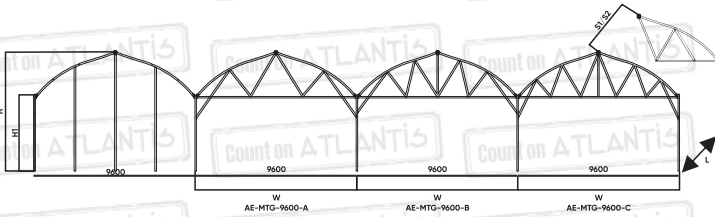


DESCRIPTION

Model	AE-STG-9000-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	9000 MM
Top Arches Height (H)	3500 MM / 5000 MM
Distance Between Arches (S1/S2)	2000 MM / 2500 MM / 3000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

9,6 MT GREENHOUSE WITH GUTTER

10 MT TUNNEL GREENHOUSES



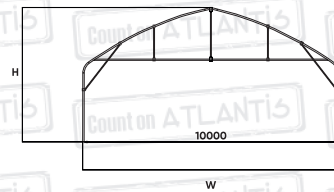
DESCRIPTION

DESCRIPTION

Model	AE-MTG-9600-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	9600 MM
Top Arches Height (H)	6200 MM / 8700 MM
Under Gutter Height (H1)	3500 MM / 6000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

Model	AE-STG-10000-A
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	10000 MM
Top Arches Height (H)	3500 MM / 5000 MM
Distance Between Arches (S1/S2)	2000 MM / 2500 MM / 3000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

Model	AE-MTG-9600-B
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	9600 MM
Top Arches Height (H)	6200 MM / 8700 MM
Under Gutter Height (H1)	3500 MM / 6000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover



DESCRIPTION

Model	AE-MTG-9600-C
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	9600 MM
Top Arches Height (H)	6200 MM / 8700 MM
Under Gutter Height (H1)	3500 MM / 6000 MM
Distance Between Arches (S1/S2)	2500 MM / 3000 MM
Distance Between Columns (Piles) (L)	2500 MM / 3000 MM / 5000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

Model	AE-STG-9000-B
Ventilation Type	Single Top Vent. / Side Roll Vent.
Tunnel Width (W)	10000 MM
Top Arches Height (H)	3500 MM / 5000 MM
Distance Between Arches (S1/S2)	2000 MM / 2500 MM / 3000 MM
Covering Material	Suitable For Polyethylene Plastic Cover

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