

IRRIGATION

GREEN INNOVATION WITH GOLDEN TREE



Product Catalog



SEOWON HISTORY

1970

1970
Established
"Korea Sprinkler Co., Ltd"

1978
Established "Seo Won Co., Ltd"
General irrigation expansion

1980

1983
Achieved a Membership of
the World Irrigation Association

1989
Purchased Ye-San
No.1 Factory

1990

1995
Started GoldenDrip®
Irrigation Tape production

2000

2000
Started GreenDrip® Irrigation
Tape production

2007
Started BlueDrip® (SilverDrip®)
Irrigation Tape production

2010

2010
Selected as Seal of
KOTRA Global Brand

2011
Awarded excellent export
company from KITA

2020

2024
Started InlineDrip®
White/Black production

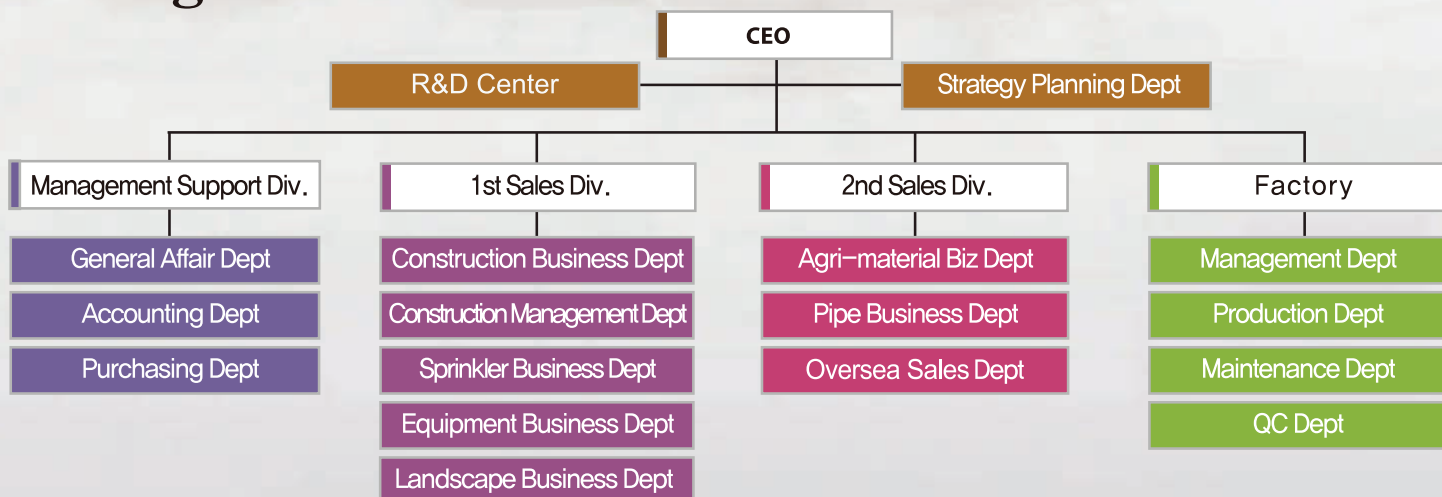
Green Innovation with GoldenTree

IRRIGATION PRODUCTS

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Organization





Green Innovation with **SEOWON**



We supply all kinds of products with the pride of our brand name "GOLDENTREE®" at the best of our philosophy, "The best Quality", "The best Price" and "The best Service"

Drip Irrigation Lines

GOLDENTREE's drip tapes are manufactured by using the best quality of PE resin in the World.

BlueDrip®, GreenDrip®, GoldenDrip®, SuperDrip®, WhiteDrip®, InLineDrip® - are available.

Item	I.D. (mm)	Thickness (mm)	Flow Rate (LPH@1bar)	Spacing (cm)	Roll Length (m)	Image
BlueDrip®	16 (option :22mm)	0.125	1.00 1.40 1.60	10	1,600 3,660	
		0.15		15	1,400 2,800 3,050	
		0.20		20	1,000 2,100 2,300	
GreenDrip®	16 (option :22mm)	0.15	1.00	10	1,400 2,800 3,050	
		0.175	1.30	15	1,000 2,100	
		0.20	2.00	20	2,300	
		0.25 ~ 0.38		30	1,000	
GoldenDrip®	16	0.20	1.45	20	1,000	
		0.38		30		
		0.45		50		
SuperDrip®	16	0.20	3.30	20	1,000	
		0.38		30		
		0.63		50	600	
WhiteDrip® Linear type	16	0.175	1.00	10	1,000 2,100	
		0.20	1.40	15	2,300	
		0.30	1.60	20	1,000	
WhiteDrip® Emitter type	16	0.175	1.00	10	1,000 2,100 2,300	
		0.20	1.30	15		
		0.38	2.00	20 30		
InLineDrip® Black / White	16	0.80	2.00	15	400	
		0.90		20		
		1.00		30		
		1.10		40		
		1.20		50		

Advantages & Benefits

- Excellent uniformity.
- Individual inside filter in each dripper.
- High clogging resistance.
- Improve not only crop yields & qualify but also disease control.
- Excellent resistance to chemicals, ultra-violet rays and high pressure.
- Less soil compaction & drier furrow.

Applications

- Surface or long lasting subsurface drip installations.
- Agriculture, green house, nursery and landscape.

Emitter Spacing	Commonly Used Crops
10 cm	All crops
20 cm	Chili, Cut Flowers, Melon, Onion, Pepper, Potato, Strawberry, Tomato
30 cm	Alfalfa, Asparagus, Banana, Broccoli, Cauliflower, Celery, Corn, Cotton, Cucumber, Eggplant, Garlic, Ginseng, Grape, Lettuce, Onion, Pepper, Potato, Pumpkin, Rose, Spinach, Squash, Strawberry, Sugarcane, Tobacco, Tomato, Turnip, Watermelon
40 cm	Alfalfa, Grape, Onion, Pepper, Potato, Sugarcane, Tobacco, Turnip, Watermelon
50 cm	Alfalfa, Blueberry, Grape, Raspberry, Soybean, Sugarcane

BlueDrip®

High density crop for Greenhouse

GreenDrip®

Strawberry, Tomato,
Watermelon, Vegetable,
Foliage plant, Horticulture

WhiteDrip®

GoldenDrip®

For Greenhouse, Open filed

Orchard,
Vegetable,
Horticulture

SuperDrip®

Substitute Inline drip,
For Greenhouse, Open filed

Orchard, Vegetable,
Horticulture, Tree

InLineDrip®

For Greenhouse, Open Filed

Fruits,
Orchard crops,
vineyards



BlueDrip®

Main Features

- Exceptional Linear type
- High clogging resistance with "S" type channel
- Same price in different spacing(10~20cm)
- Superior CV & EU with linear type



Specifications & Technical Data

BlueDrip® Flow Rate: 1.0/1.4/1.6 LPH (/Hole@1bar)

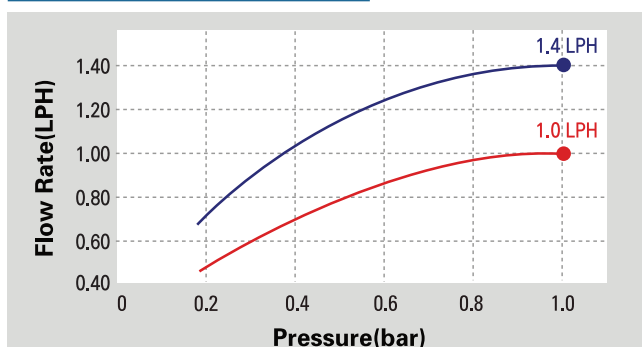
Products		Wall thickness (mm)	Inside Dia (mm)	Spacing (cm)	Working pressure (bar)	Emitter Flow Rate (LPH)		Roll length (m)
Name	Mil							
BlueDrip®	5	0.125	16	10	0.4	0.70	1.05	1,600
	6	0.15		15	0.6	0.87	1.25	3,660
	7	0.175						1,400
	8	0.20	20	20	0.8	0.95	1.35	2,800/ 3,050
					1.0	1.00	1.40	1,000
								2,100/ 2,300

* BlueDrip® 5mil Working pressure: 0.7bar.

BlueDrip® Flow Rate: 0.26/0.37/0.42 GPH (/Hole@14.5psi)

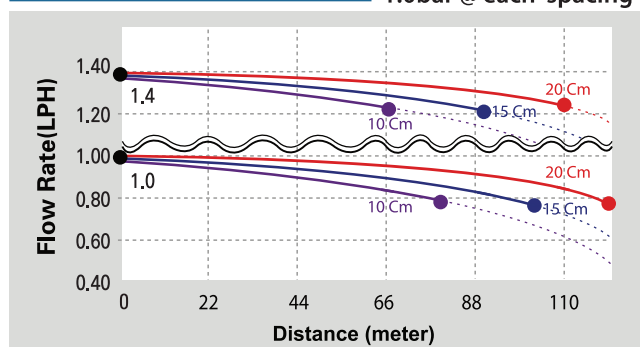
Products		Inside Dia	Spacing	Flow Rate/100' @8psi		Flow Rate/100' @14.5psi		Roll length (ft)
Name	Mil			GPH	GPM	GPH	GPM	
BlueDrip®	5	5/8"	4"	82	1.37	111	1.85	5,249'
			6"	55	0.91	74	1.23	12,007'
	6		8"	41	0.69	56	0.93	4,593'
	7							9186'/10,006'
	8							3,280'
								6,889'/7,545'

Pressure performances



Distance performances

Inside Dia: 16mm
1.0bar @ each spacing



Run Length - 10cm: 70m / 15cm: 95m / 20cm: 110m

GreenDrip®

Main Features

- High clogging resistance.
- Excellent CV & EU.
- Various spacing between emitters for many applications.



Specifications & Technical Data

GreenDrip® Flow Rate: 1.0/1.3/2.0 LPH (/Hole@1bar)

Products		Wall thickness (mm)	Inside Dia (mm)	Spacing (cm)	Working pressure (bar)	Emitter Flow Rate (LPH)		Roll length (m)
Name	Mil					1.3 LPH	2.0 LPH	
GreenDrip®	6	0.15	16	10 15 20 30	0.4	0.75	1.45	1,400/ 2,800 / 3,050
	7	0.175			0.6	1.00	1.70	1,000
	8	0.20			0.8	1.15	1.85	2,100 / 2,300
	10~15	0.25~0.38			1.0	1.30	2.00	1,000

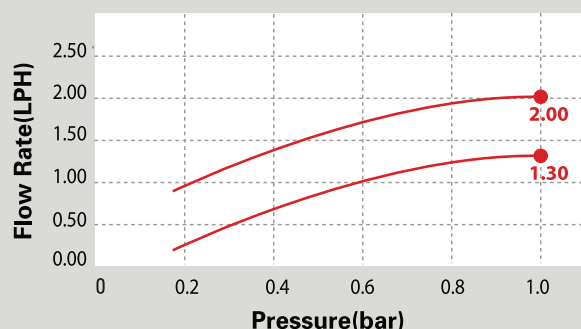
GreenDrip® Flow Rate: 0.26 / 0.34 / 0.52 GPH (/hole @14.5psi)

Products		Inside Dia		Spacing		Flow Rate/100' @8psi		Flow Rate/100' @14.5psi		Roll length (ft)
Name	Mil	Inch	Inch	Inch	Inch	GPH	GPM	GPH	GPM	
GreenDrip®	6	5/8"	4"	5/8"	4"	74	1.24	103	1.72	4,593' / 9,186' / 10,006'
	7		6"		6"	50	0.83	69	1.14	3,280'
	8		8"		8"	37	0.62	51	0.86	6,889' / 7,545'
	10~15		12"		12"	25	0.41	34	0.57	3,280'

* Other roll length and specifications are available to meet customer's needs.

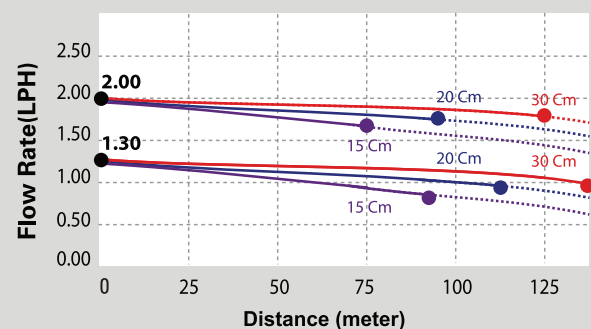
* CIT Test (EU : 92~94%, CU : 95~96%)

Pressure Performances



Distance Performances

Inside Dia: 16mm
1.0bar @ each spacing



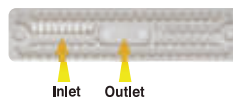
Run Length - 15cm : 75m / 20cm : 95m / 30cm : 125m

GoldenDrip®



Main Features

- Various spacing between emitters for many applications.
- Accurate spacing between emitters.
- High clogging resistance.
- Integrated filter inlet and self cleaning characteristic.
- Excellent CV & EU with emitter type.



Specifications & Technical Data

GoldenDrip® Flow Rate : 1.45LPH (/Hole@bar)

Products		Wall thickness (mm)	Inside Dia (mm)	Spacing (cm)	Working pressure (bar)	Emitter Flow Rate (LPH)	Roll length (m)
Name	Mil						
GoldenDrip®	8	0.20	16	20	0.4	0.85	1,000
	15	0.38		30	0.6	1.05	
					0.8	1.25	
					18	0.45	

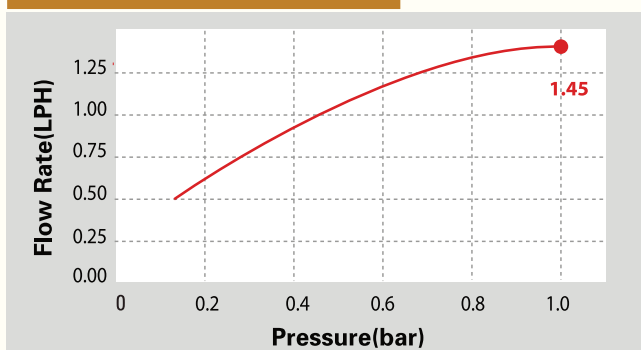
GoldenDrip® Flow Rate : 0.38GPH (/hole @14.5psi)

Products		Inside Dia	Spacing	Flow Rate/100' @8psi		Flow Rate/100' @14.5psi		Roll length (ft)
Name	Mil	(Inch)	(Inch)	GPH	GPM	GPH	GPM	
GoldenDrip®	8	5/8"	8"	42	0.70	57	0.96	3,280'
	15		12"	28	0.47	38	0.64	
	18		20"	42	0.70	57	0.96	
				28	0.47	38	0.64	

* Other roll length and specifications are available to meet customer's needs.

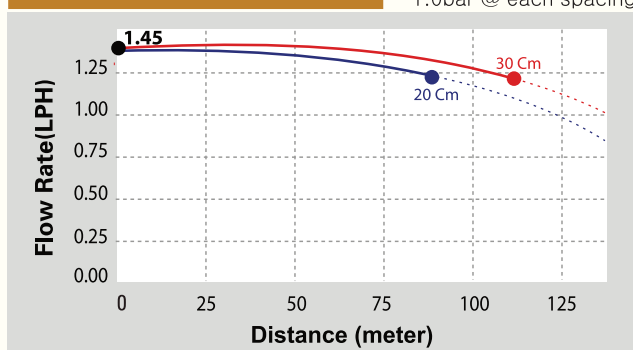
* CIT Test (EU : 92~94%, CU : 95~96%)

Pressure Performances



Distance Performances

Inside Dia: 16mm
1.0bar @ each spacing

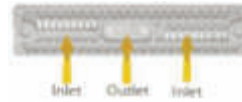


Run Length - 20cm : 88m / 30cm : 113m

SuperDrip®

Main Features

- Wastes smaller water volume than inline drip.
- Higher DU (Distribution Uniformity) than inline drip.
- Longer length of run than inline drip.
(To be installed Maximum : 100M)
- Superior to unit price than inline drip.
- Longer roll length than inline drip.
- Unique type all over the world



Specifications & Technical Data

SuperDrip® Flow Rate : 3.3LPH (/Hole@1bar)

Products		Wall thickness (mm)	Inside Dia (mm)	Spacing (cm)	Working pressure (bar)	Emitter Flow Rate (LPH)	Roll length (m)
Name	Mil						
SuperDrip®	8	0.20	16	20	0.5	2.25	1,000
	15	0.38		30	1.0	3.30	
	25	0.63		50	1.5	4.05	
					2.0	4.80	600

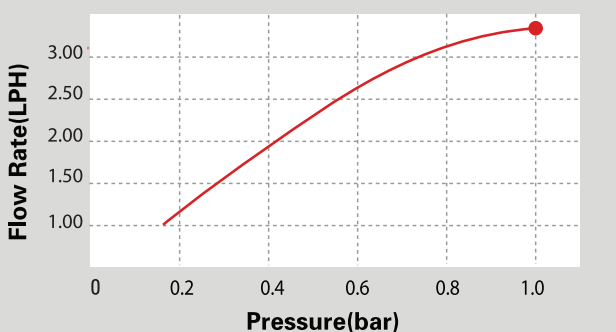
SuperDrip® Flow Rate : 0.87GPH (/hole @14.5psi)

Products		Inside Dia (Inch)	Spacing (Inch)	Flow Rate/100' @8psi		Flow Rate/100' @14.5psi		Roll length (ft)
Name	Mil			GPH	GPM	GPH	GPM	
SuperDrip®	8	5/8"	8"	119	1.98	131	2.18	3,280'
	15		12"	79	1.32	87	1.45	
	25		20"	119	1.98	131	2.18	
				79	1.32	87	1.45	1,968'

* Other roll length and specifications are available to meet customer's needs.

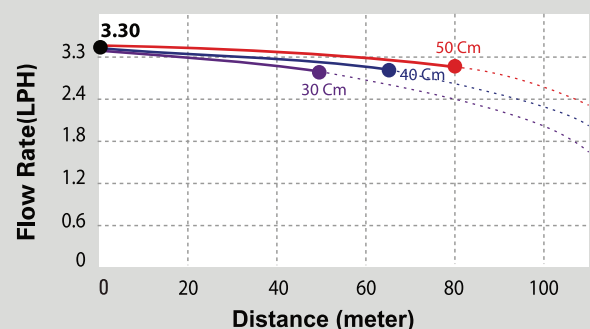
* CIT Test (EU : 92~94%, CU : 95~96%)

Pressure Performances



Distance Performances

Inside Dia: 16mm
1.0bar @ each spacing



Run Length - 30cm : 50m / 40cm : 65m / 50cm : 80m

WhiteDrip®

White colored drip tape with double layer

Main Features

- Greatly reduced heat absorption
- Reduce product melting by sunlight
- Design for use in high temperatures
- Reduce temperature rise in contents
- Reduced contraction and expansion

Application

- Available for linear & emitter type of drip irrigation tape



Standard Specifications

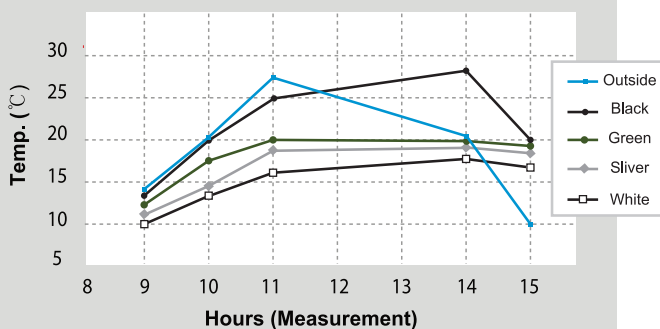
WhiteDrip® Flow Rate: 1.0/1.4/1.6 LPH (/Hole@1bar)

Products		Wall thickness (mm)	Inside Dia (mm)	Spacing (cm)	W/P (bar)	Flow Rate (LPH)		Roll length(m)
Name	Mil					1.0 LPH	1.4 LPH	
WhiteDrip® Linear Type	7	0.175	16	5	0.4	0.70	1.05	1,000
	8	0.20		10	0.6	0.87	1.25	2,100/2,300
	10	0.25		15	0.8	0.95	1.35	1,000
	12	0.30		20	1.0	1.00	1.40	
				30				

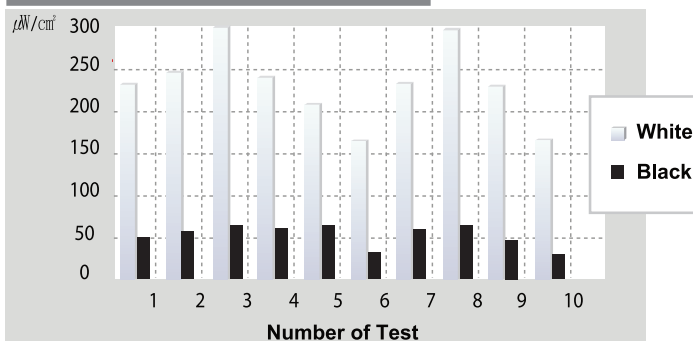
WhiteDrip® Flow Rate: 1.0/1.3/2.0 LPH (/Hole@1bar)

Products		Wall thickness (mm)	Inside Dia (mm)	Spacing (cm)	W/P (bar)	Flow Rate (LPH)		Roll length(m)
Name	Mil					1.3 LPH	2.0 LPH	
WhiteDrip® Emitter Type	7	0.175	16	10	0.4	0.75	1.45	1,000
	8	0.20						2,100/2,300
	10	0.25			0.6	1.00	1.70	1,000
	12	0.30			0.8	1.15	1.85	
	15	0.38			1.0	1.30	2.00	

Temperature by color



UV Transmittance amount



Tested by GoldenTree Laboratory (Jan. 2017)

InLineDrip®

White/ Black
Non-PC / PCND

Features

- Compact cylindrical dripper with double holes ensures an increase in the irrigated surface
- Dual outlets makes a quick and easy installation
- High clogging resistance and uniformity of irrigation
- Low-density polyethylene with UV protection
- InLineDrip-white® : design for use in high temperatures, reduce temperature rise in contents.



InLineDrip®

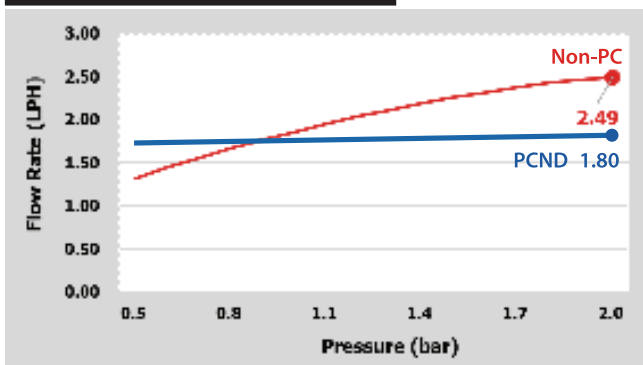
Specifications (Non-PC / PCND)

Products		Wall thickness (mm)	Outside Dia (mm)	Spacing (cm)	Working pressure (bar)	Emitter Flow Rate (Non-PC)	Emitter Flow Rate (PCND)	Roll length (m)
Name	Mil							
InLineDrip-PCND / Non-PC White / Black	32	0.80	16	15 20 30 50	0.5	1.35	1.70	200
	36	0.90			0.7	1.55	1.75	
	40	1.00			1.0	1.80	1.80	400
	44	1.10			1.5	2.20	1.80	
	48	1.20			2.0	2.50	1.75	

Applications

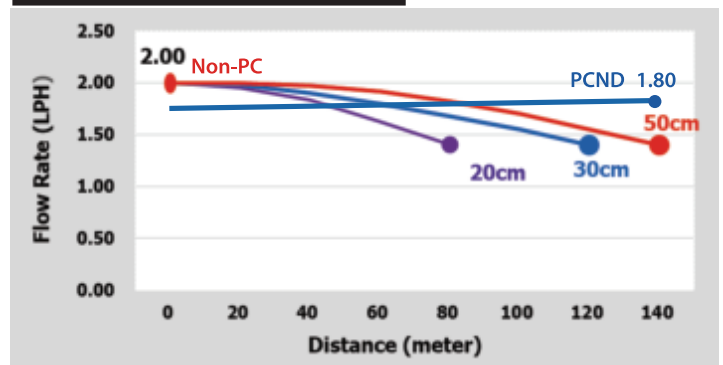
- Fruits, Orchard crops, vineyards, crops protected underground, nurseries, hedges, trees, flowerbeds.

Pressure Performances



Distance Performances

1.0 bar@20cm spacing



Run Length – 20cm : 80m/ 30cm : 120m/ 50cm : 140m

Drip tape connectors



DC -1



Mini Valve I
16 x 16mm

DC -101



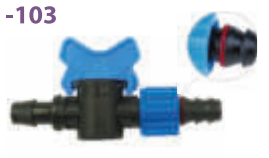
Mini Valve I with rubber ring

DC -102



Quick start mini valve

DC -103



Quick start mini valve
with rubber ring

DC -104



Quick start mini valve
with gasket

DC -105



Quick start mini valve
with gasket & rubber ring

DC -107



Quick start mini valve with
rubber ring for HDPE/PVC

DC -2



Drip tape coupling
16 x 16mm

DC -201



Drip tape coupling
with rubber ring

DC -202



Drip Tape coupling valve

DC -3



Tape Connector
(LD-Tape, 16 x 16mm)

DC -301



Quick start tape
with gasket

DC -302



Quick start tape with
rubber ring & gasket

DC -304



Quick start tape with
rubber ring for HDPE/PVC

DC -4



Start LD with gasket
(16 X 16mm)

DC -401



Quick start LD
With Gasket

DC -5



T type H type
Gasket (16 x 16mm)

DC -6



Flush Valve
(16 x 16mm)

DC -7



End Mini Valve
(16mm)

DC -14



Drip tape end
(16mm)

AC -05



Connector
D16 / 20

AC -06



Connector-Elbow
D16 / 20

AC -07



Connector Tee
D16 / 20

AC -08



Connector Y
D16 / 20

* Other connectors
are available to meet
customer's needs.

GoldenDripper®

Main Features

- * The dripper design integrates three elements to minimize clogging:
 - Protected cross-shaped water inlet.
 - Flushing mechanism of regulating diaphragm.
 - Strong turbulent flow in labyrinth with continual cleaning and flushing.
 - Large water passages.
 - Particularly wide and precise regulating range.
 - Color-coded for identification of flow rate and model.
 - Standard 5mm nipple for woodpecker protection and pot application.
 - Chemical-resistant plastic structure for precision, durability and longevity.



Primary Applications

Trees, shrubs and flowerbeds, subsurface or surface installation, for long laterals.

Technical Data

- * Nominal flow rate : 2.0, 4.0, 8.0LPH
- * Regulating pressure range : 0.35~2.8Bar
- * CV less than 4%
- * Anti-drainage
 - Opening pressure : 0.28Bar
 - Closing pressure : 0.14Bar

Technical Data

- * PC+CNL : brown housing
- * PC : Black housing
 - 2.0LPH : White cover
 - 4.0LPH : Green cover
 - 8.0LPH : Black cover



Dripper connector

Arrow Dripper			Fittings			
AD-1	AD-2	AD-3	AC-01	AC-02	AC-03	AC-04
						
- 4 LPH, 8LPH	- 4 LPH, 8LPH	- 2 LPH (black/white)	Barb type Butterfly Screw type		Nipple For HD	Balance bar
Mani Holder			Connection Hose			
MH-1	MH-2		CH-1	CH-2		
						
- 4 way	- 4 way		Black color - 3/5 – 200/300m - 4/7 – 200/300m	White color - 3/5 – 200/300m - 4/7 – 200m		

Smart Mini Sprinkler

Main Features

- Keep a max rotatory power with a minimized friction
- Guarantee of maximum product life by weatherization
- Keep spraying uniformity by reasonable shape
- Keep growing uniformity of plants by spraying uniformity

SS



UD



Nozzle Color	Product Code	Working Pressure	Maximum Flow Rate	Sprinkling Diameter by the Height from the Bottom		
Gray	SS/UD			2.0m	1.8m	1.5m
90LPH	SS	1.0kg/cm ²	55LPH	5.8m	5.4m	5.2m
	UD			7.5m	7.3m	7.0m
	SS	1.5kg/cm ²	70LPH	6.0m	5.8m	5.4m
	UD			7.8m	7.6m	7.4m
	SS	2.0kg/cm ²	87LPH	6.8m	6.0m	5.6m
	UD			8.0m	7.8m	7.6m

Nozzle Color	Product Code	Working Pressure	Maximum Flow Rate	Sprinkling Diameter by the Height from the Bottom		
Green	SS/UD			2.0m	1.8m	1.5m
100LPH	SS	1.0kg/cm ²	67LPH	6.0m	5.6m	5.4m
	UD			8.0m	7.8m	7.4m
	SS	1.5kg/cm ²	85LPH	6.5m	6.0m	5.6m
	UD			8.4m	8.2m	7.8m
	SS	2.0kg/cm ²	100LPH	7.2m	6.4m	6.0m
	UD			8.6m	8.4m	8.0m

Nozzle Color	Product Code	Working Pressure	Maximum Flow Rate	Sprinkling Diameter by the Height from the Bottom		
Orange	SS/UD			2.0m	1.8m	1.5m
120LPH	SS	1.0kg/cm ²	85LPH	6.2m	5.8m	5.6m
	UD			8.2m	8.0m	7.8m
	SS	1.5kg/cm ²	103LPH	6.8m	6.2m	6.0m
	UD			8.8m	8.5m	8.1m
	SS	2.0kg/cm ²	125LPH	7.4m	7.2m	6.2m
	UD			9.0m	8.7m	8.4m

Nozzle Color	Product Code	Working Pressure	Maximum Flow Rate	Sprinkling Diameter by the Height from the Bottom		
Yellow	SS/UD			2.0m	1.8m	1.5m
140LPH	SS	1.0kg/cm ²	55LPH	6.4m	6.0m	5.8m
	UD			8.5m	8.1m	8.0m
	SS	1.5kg/cm ²	70LPH	7.0m	6.4m	6.2m
	UD			9.2m	9.0m	8.6m
	SS	2.0kg/cm ²	87LPH	7.6m	7.4m	6.4m
	UD			9.4m	9.2m	8.8m

Nozzle Color	Product Code	Working Pressure	Maximum Flow Rate	Sprinkling Diameter by the Height from the Bottom		
Blue	SS/UD			2.0m	1.8m	1.5m
200LPH	SS	1.0kg/cm ²	55LPH	6.0m	6.0m	5.8m
	UD			8.4m	8.0m	7.8m
	SS	1.5kg/cm ²	70LPH	6.4m	6.4m	6.2m
	UD			8.8m	8.5m	8.0m
	SS	2.0kg/cm ²	87LPH	7.4m	7.4m	6.4m
	UD			9.2m	8.8m	8.4m

GoldenLayflat®



GoldenLayflat® is the suitable layflat, house for water transfer, slurry, water containing sand and general drainage at reasonably high pressure.

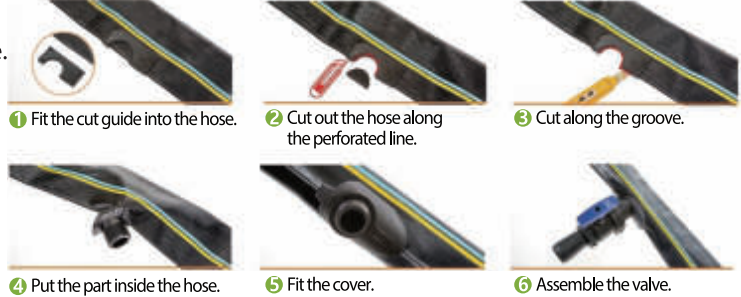
Features

- Outstanding flexibility and simple installation.
- Long endurance due to high strength against pressure.
- No light penetration, no moss or microorganism.

Applications

- Drip Irrigation
- Sprinkler Irrigation
- General Water Delivery

Instructions



Standard Specifications

Product	Size (inch)	Inside Dia. (mm) ±2	Thickness (mm) ±0.1	Working Pressure (Bar)	Burst Pressure (Bar)	Weight(kg/roll) Tolerance: ± 5%
EPR GoldenLayflat® (Blue color)	2	50±2	1	4	10	15
	3	75±2	1	3	8	23
	4	100±2	1	3	7	32
	6	150±2	1.3	3	7	66
EPR HIGH GoldenLayflat® (Green color)	1.5	40±2	1.2	7	20	14.5
	2	50±2	1.2	6	16	18
	3	75±2	1.2	5	13	27
	4	100±2	1.2	4	12	36
	6	150±2	1.4	3	7	66
PVC GE GoldenLayflat® (Blue color)	2	50±2	1.3	3	10	25
	3	75±2	1.3	3	8	39
	4	100±2	1.3	2	6	46
	6	150±2	1.4	2.5	7	102
PVC HIGH GoldenLayflat® (Blue color)	2	50±2	1.45	5	14	28
	3	75±2	1.45	4	13	42
	4	100±2	1.45	4	12	56
	6	150±2	1.8	3	8	122

GoldenSpray®



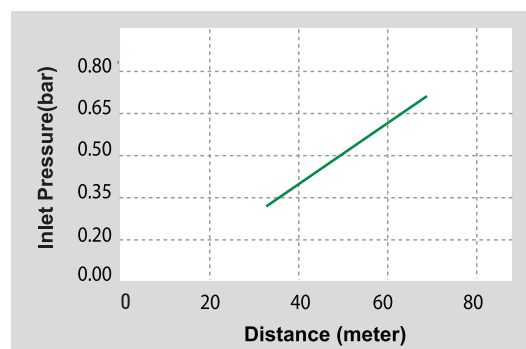
GoldenSpray® is the spray watering system that consist of a flat flexible hose that can be easily installed at furrow.

Advantages & Benefits

- Normal pressure operating range of 0.5 to 1.0 bar can lower energy and save sprinkler system cost by 80%.
- Wide range of spray patterns and trajectory.
- High performance & easy installation.

Flow rate (GoldenSpray® A)

Water Pressure (bar)	0.5	0.5	0.5	0.5
Hose Length (m)	10	30	50	80
Flow Rate (LPM)	13	39	65	104



Test Date : 4/07/2006 Product : GoldenSpray A
Run Length : 30m Center for irrigation technology
(California State University Fresno, CA, 93740-8021 USA)

Performances

Type	Dia. (Inch)	Distance of Spray (m)	Operating Pressure (bar)	Flow Rate (@100m)	Wall Thickness (mm)	Roll Length (m/roll)
GoldenSpray® A 	1.5"	5~6	0.3~0.5	130LPM	0.20	200
GoldenSpray® B 	1.5"	3~4	0.3~0.5	95LPM	0.21	200
GoldenSpray® C 	1.5"	3 to 6	0.8~1.0	76LPM	0.30	100
GoldenSpray® D 	1.5"	7~9	0.8~1.0	220LPM	0.31	100
GoldenSpray® W-1 	1.8"	9~10	0.8~1.0	270LPM	0.31	100
GoldenSpray® W-2 	2.0"	9~10	0.8~1.0	290LPM	0.31	100

GoldenSpray® Fin type

Main Features

- GoldenSpray® "Fin type" is upgraded version.
- The fins of hose is prevented from twisting and elongation.
- It is convenient to water on a large area in a wide area.

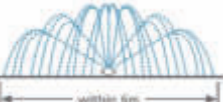
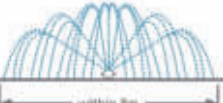
Advantages & Benefits

- Sprayed water particles are fine, and there is little change in the jet port due to water pressure.
- The water spout is not clogged easily.
- Excellent durability and low cost.



GoldenSpray®

Performances

Type	Dia. (Inch)	Distance of Spray (m)	Operating Pressure (bar)	Flow Rate (@100m)	Wall Thickness (mm)	Roll Length (m/roll)
GoldenSpray® D-1 	1.5"	5~6	0.3~0.5	130LPM	0.20	200
GoldenSpray® D-2 	1.5"	6~8	0.5~0.8	190LPM	0.21	200
GoldenSpray® D-3 	1.5"	7~9	0.8~1.0	220LPM	0.31	100
GoldenSpray® D-4 	1.5"	3, 9	0.8~1.0	180LPM	0.31	100
GoldenSpray® D-5 	1.5"	3, 6	0.8~1.0	90LPM	0.31	100
GoldenSpray® N-1 	1.0"	5~7	0.6~0.8	60LPM	0.24	200
GoldenSpray® N-2 	1.0"	A 0.8 B 2.4 C 1	0.2	24LPM	0.22	200
		A 1.2 B 4.2 C 2	0.8	54LPM		

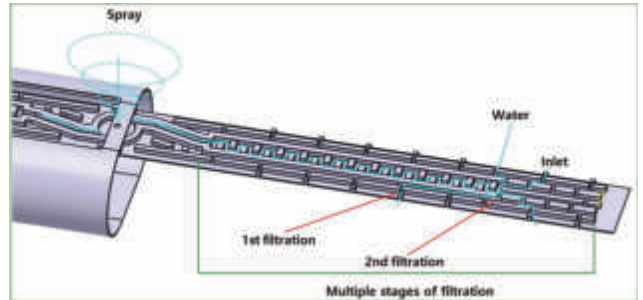
GoldenMist®

Main Features

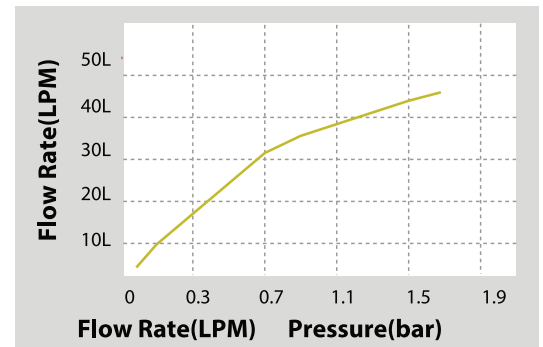
- It is the first spray hose in the world to apply a rotating force and a pressure reducing labyrinth.
- longer installation length than Sprayhose
- Spray water is rotated and sprayed finely.
- Multiple stages of filtration.
- Strong against clogging resistance.
- Maintaining the finest moisture of soil.

Advantages & Benefits

- Multi- function (Dropping under low pressure & Spraying under high pressure, only Mist-S)
- Excellent uniformity by pressure reducing channel (EU and CU)
- Fine water particles (to help clean crop & reducing disease)
- Application: Strawberry, Cucumber, Ginseng, Tall crops like Corn, Green onion etc.



Distance Performances



Test date : 11/15/2019

Product : GoldenMist® S , Run length : 100m

Center for irrigation technology

Specifications & Technical

Type	Tube Width(mm)	Spacing (cm)	Wall Thickness(mm)	Operating Pressure(bar)	Flow Rate (LPM@100m)	Spray Type	Roll Length(m/Roll)
GoldenMist® S	40(50)	15	0.30	0.2	13.70	Drop	100
				0.5	16.00	Spray(0.2m)	
				1.0	23.40	Spray(0.5m)	
GoldenMist® G1	40(50)	47	0.32	1.0	33.60	Spray(0.7m)	100
				1.5	43.70	Spray(1.2m)	
GoldenMist® G2	40(50)	47	0.45	1.0	45.60	Spray(1.2m)	100
				1.5	66.50	Spray(1.8m)	
GoldenMist® F	40	30	0.51	1.5~2.0	-	Mist	100
GoldenMist® W	45	64	0.45	1.0	0.10L@Hole	2.3m	100
				1.5	0.13L@Hole	2.5m	

Fitting

Fitting

Fitting for GoldenSpray®

GS-1



Start Valve I

GS-101



Start Valve II
(Female)

GS-102



Start Valve II
(Male)

GS-5



Socket

GS-13



Spray Pipe
Fixing Spike

GS-17



End for hose III

Fitting for GoldenLayflat®

GL-3



Punch

GL-1



Layflat start Valve
(16mm)

GL-1001



Layflat start valve
with rubber ring

GL-12



Layflat start
(16mm)

GL-1201



Layflat start
with rubber ring

Fitting for GoldenMist®

GM-1



Start valve I
(One Touch)

GM-2



Start valve II

GM-3



Start valve III
(Male)

GM-4



Coupling

GM-5



End cap

Looperget®

LP-01



Looperget for Pipe
I.D 25mm / I.D 32mm

LP-02



Looperget for Hose
I.D 25mm / I.D 32mm

GM-8



Fixing spike

GM-9



End for hose

GM-8



Pressure Gauge
0-10 Bar

GM-9



25x15mm

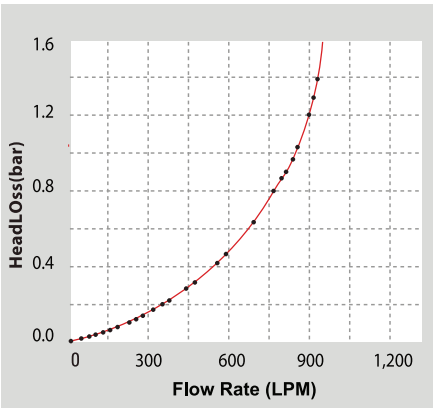
GoldenTree® Disc Filter



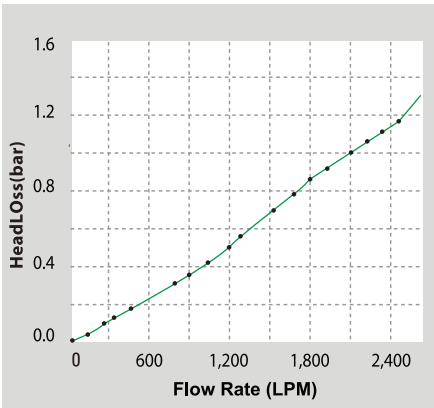
- Small and medium flow of irrigation system in greenhouses, small/medium farm fields.
- Strongly built virgin resins body enables resistance for high pressure.
- Long lasting and strong designed in closure system.
- Wide range of flow rates.
- High quality raw materials of disc elements resulted in fine filtration.
- Perfect pressure sealing at low and high pressures.
- Easy to install/remove/maintain and simple expansion of excising system.
- Long - term operation with little maintenance or cleaning.
- Maximum cost efficiency.



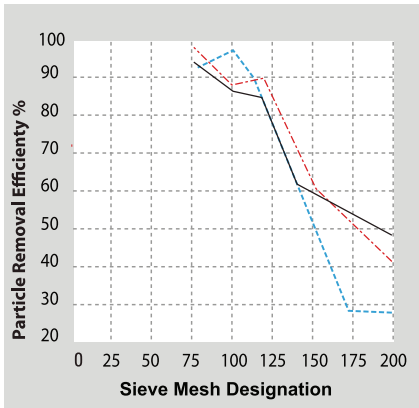
Performance



— GoldenTree® 2"
[Test Pressure : 2bar]



— GoldenTree® 3"
[Test Pressure : 2bar]

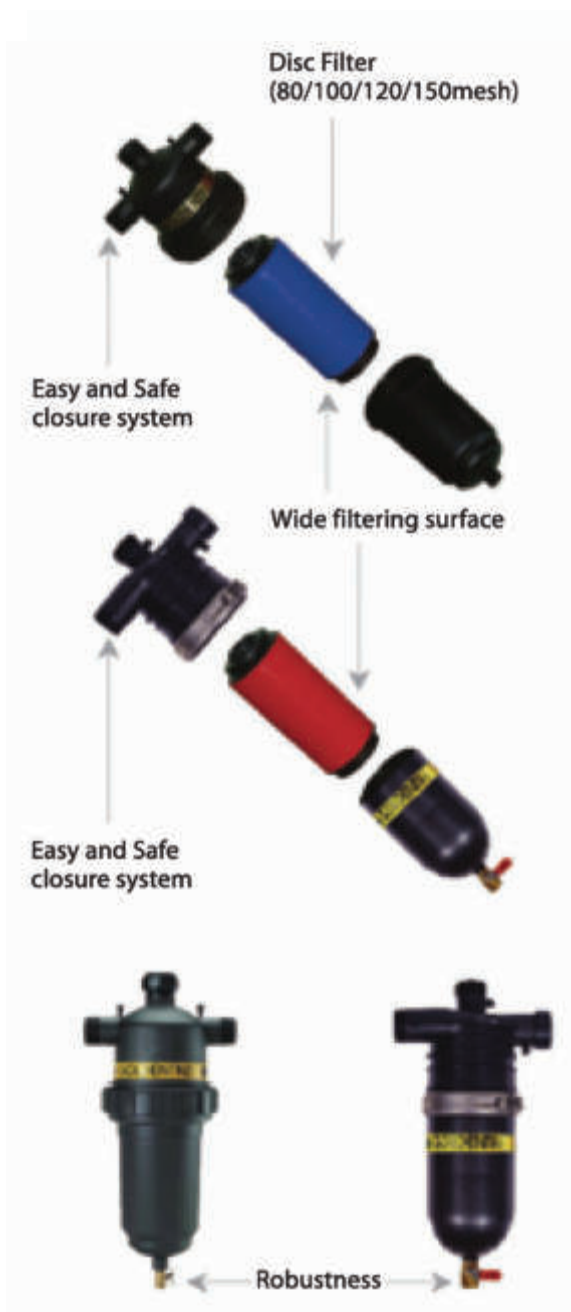


--- comany "A" 2" 120 Mesh Flow 413LPM
--- GoldenTree 2" 120 Mesh Flow 492LPM
— comany "B" 2" 120 Mesh Flow 379LPM
[Disc Filter Test Comparison]

Specifications & Technical Data

Inlet/Outlet Diameter	Flow Rate (max)	Working Pressure (max)	Disc Outside Diameter	Element Length	Filtration Degree	Weight (net)	Filtration Surface Area	Materials
1.5" (40mm)	15 m³/h	8bar	65mm	230mm	120mesh	1.5kg	469cm²	Polypropylene Glass Filled
B2" (50mm)	25 m³/h	8bar	130mm	248mm	120mesh	6kg	1,012cm²	
B3" (75mm)	45 m³/h	8bar	130mm	496mm	120mesh	10kg	1,820cm²	
C3" (75mm)	50 m³/h	8bar	130mm	515mm	120mesh	6.5kg	1,690cm²	

Disc Filter & Disc Filter Accessories



Belt Type

GoldenTree® 1.5"


D40, 15 m³/h
100/120/150Mesh

GoldenTree® B2"


D50, 25 m³/h
100/120/150Mesh

GoldenTree® B3"


D75, 45 m³/h
100/120/150Mesh

Clamp Type

GoldenTree® - C2"



GoldenTree® - C3"

+ Shape



T Shape



Disc Filter Accessory

120 mesh



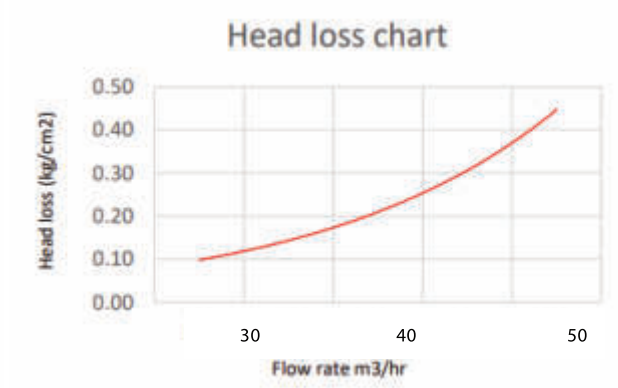
GoldenTree®

Disc Filter (T-shape)

- User friendly Stainless Steel SS 304 grade clamp
- Surface sealing design, O-ring on periphery of the barrel to ensure the sealing and prevent leakage with time.
- Standard cartridge design: Flow passed through outside to inside of Disc cartridge.
- 2 Pressure ports with threaded brass inserts for increasing operational life of filter.
- Easy disc cartridge installation inside the filter and discs. Stack separated by Disc Separators for avoiding gaps.
- Excellent mechanical strength, UV and corrosion resistance
- Easy to install and no tools required for filter maintenance



O-ring at filter
Barrel outer
periphery



Specifications & Technical Data

Inlet/Outlet Diameter	Flow Rate (max)	Working Pressure (max)	Disc Outside Diameter	Element Length	Filtration Degree	Weight (net)	Filtration Surface Area	Materials
C3" (75mm)	50m³/h	8bar	130mm	515mm	120mesh	6.5kg	1,690cm²	Polypropylene Glass Filled

GoldenPipe® Agriculture Pipe

We hereby strongly recommend 'Agriculture Pipe' when you use PE pipe.

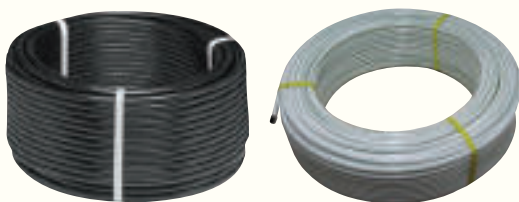
It is not necessary to use the thick and expensive water pipes because below 6 bar of working pressure on agriculture pipes are enough to operate



Agricultural Pipe

Specifications

Product		Outer Diameter	PN	Wall Thickness	Weight	Length
		mm		mm	Kg/M	M
Agricultural Pipe	D16 (LDPE)	16mm	2.5	1.0	0.046	500M / Roll
	D20 (LDPE)	20mm	2.5	1.2	0.069	300M / Roll
	D25 (LDPE)	25mm	2.5	1.4	0.100	200M / Roll
	D32 (HDPE)	32mm	4.0	1.5	0.139	200M / Roll
	D50 (HDPE)	50mm	4.0	2.5	0.359	200M / Roll
						6M / 12M (Straight)
	D63 (HDPE)	63mm	4.0	2.5	0.457	6M / 12M (Straight)
	D75 (HDPE)	75mm	4.0	2.5	0.548	6M / 12M (Straight)



LD PE Pipe - White, Black

PIPE DIAMETER	Outer Diameter (mm)	Thickness (mm)	Length (mm)
D16	16 ~ 16.3	1.20	200
D20	20 ~ 20.3	1.60	200
D25	25 ~ 25.3	2.50	100
D32	32 ~ 32.3	3.00	100
D40	40 ~ 40.4	3.50	100

GoldenPipe® HDPE/LDPE Pipe

Main Features

- * Chemical stability, hygienic and fluidity.
- * Flexibility, light weight and suitability.
- * Corrosion resistance and impact resistance.
- * Low-temperature resistance.
- * Abrasion resistance and economical efficiency.
- * White LDPE pipe manufacturing.
 - Making crops grow by temperature down for hose inside.
 - Increasing thermal efficiency in green house by solar reflection.

Application

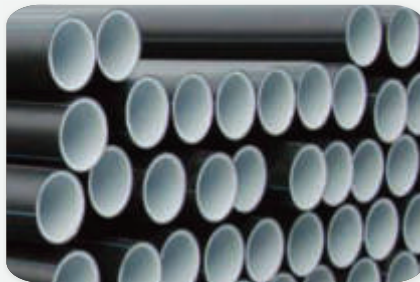
- Waterworks, agriculture and electric cable.
- Sewage/Waste water disposal and industry.
- Leisure industry and seawater.



PE Pipe Manufacturing



PE water pipe



PE pressure pipe



PE water pipe (roll)

Construction Business



Pipe installation



Pipe installation



Sprinkler main pipe installation

Wrench fitting (ISO, All size available)

Socket 1



Socket 2



Elbow (90°)



Tee 1



Tee 2



End cap



Non-wrench fitting (ISO, All size available)

Socket 1



Reducer



Elbow (90°)



Tee 1



Tee 2



End cap



Standard Specifications (ISO)

Product		Outer Diameter (mm)	Wall Thickness (mm)	Length (m)	Weight (kg/m)
High Density Waterwork Service Pipe (SDR11)	20	20.0 ~ 20.3	2.0 ~ 2.3	100	0.12
	25	25.0 ~ 25.3	2.3 ~ 2.7	100	0.17
	32	32.0 ~ 32.3	3.0 ~ 3.4	100	0.28
	40	40.0 ~ 40.4	3.7 ~ 4.2	100	0.43
	50	50.0 ~ 50.4	4.6 ~ 5.2	100	0.66
	63	63.0 ~ 63.4	5.8 ~ 6.5	40	1.05
	75	75.0 ~ 75.5	6.8 ~ 7.6	40	1.46
	90	90.0 ~ 90.6	8.2 ~ 9.2	6	2.12
	110	110.0 ~ 110.7	10.0 ~ 11.1	6	3.14
	125	125.0 ~ 125.8	11.4 ~ 12.7	6	4.08
	140	140.0 ~ 140.9	12.7 ~ 14.1	6	5.09
	160	160.0 ~ 161.0	14.6 ~ 16.2	6	6.67
	180	180.0 ~ 181.1	16.4 ~ 18.2	6	8.43
	200	200.0 ~ 201.2	18.2 ~ 20.2	6	10.40
	225	225.0 ~ 226.4	20.5 ~ 22.7	6	13.16
	250	250.0 ~ 251.5	22.7 ~ 25.1	6	16.18
	280	280.0 ~ 281.7	25.4 ~ 28.1	6	20.29
	315	315.0 ~ 316.9	28.6 ~ 31.6	6	25.68
	355	355.0 ~ 357.2	32.2 ~ 35.6	6	32.60
	400	400.0 ~ 402.4	36.3 ~ 40.1	6	41.38
Pressure Pipe (SDR13.6)	450	450.0 ~ 452.7	40.9 ~ 45.1	6	52.40
	500	500.0 ~ 503.0	45.4 ~ 50.1	6	64.66
	25	25 ~ 25.3	2.0 ~ 2.3	100	0.15
	32	32 ~ 32.3	2.4 ~ 2.8	100	0.23
	40	40 ~ 40.4	3.0 ~ 3.5	100	0.36
	50	50 ~ 50.4	3.7 ~ 4.2	100	0.55
	63	63 ~ 63.4	4.7 ~ 5.3	40	0.87
	75	75 ~ 75.5	5.6 ~ 6.3	40	1.23
	90	90 ~ 90.6	6.7 ~ 7.5	6	1.77
	110	110 ~ 110.7	8.1 ~ 9.1	6	2.61
	125	125 ~ 125.8	9.2 ~ 10.3	6	3.37
	140	140 ~ 140.9	10.3 ~ 11.5	6	4.22
	160	160 ~ 161.0	11.8 ~ 13.1	6	5.50
	180	180 ~ 181.1	13.3 ~ 14.8	6	6.99
	200	200 ~ 201.2	14.7 ~ 16.3	6	8.56
	225	225 ~ 226.4	16.6 ~ 18.4	6	10.87
	250	250 ~ 251.5	18.4 ~ 20.4	6	13.40
	280	280 ~ 281.7	20.6 ~ 22.8	6	16.79
	315	315 ~ 316.9	23.2 ~ 25.7	6	21.27
	355	355 ~ 357.2	26.1 ~ 28.9	6	26.97
Pressure Pipe (SDR17)	400	400 ~ 402.4	29.4 ~ 32.5	6	34.20
	450	450 ~ 452.7	33.1 ~ 36.6	6	43.32
	500	500 ~ 503.0	36.8 ~ 40.6	6	53.45
	32	32 ~ 32.3	2.0 ~ 2.3	100	0.20
	40	40 ~ 40.4	2.4 ~ 2.8	100	0.29
	50	50 ~ 50.4	3.0 ~ 3.4	100	0.45
	63	63 ~ 63.4	3.8 ~ 4.3	40	0.72
	75	75 ~ 75.5	4.5 ~ 5.1	40	1.01
	90	90 ~ 90.6	5.4 ~ 6.1	6	1.45
	110	110 ~ 110.7	6.6 ~ 7.4	6	2.16
	125	125 ~ 125.8	7.4 ~ 8.3	6	2.76
	140	140 ~ 140.9	8.3 ~ 9.3	6	3.46
	160	160 ~ 161.0	9.5 ~ 10.6	6	4.52
	180	180 ~ 181.1	10.7 ~ 11.9	6	5.71
	200	200 ~ 201.2	11.9 ~ 13.2	6	7.05
	225	225 ~ 226.4	13.4 ~ 14.9	6	8.94
	250	250 ~ 251.5	14.8 ~ 16.4	6	10.95
	280	280 ~ 281.7	16.6 ~ 18.4	6	13.76
	315	315 ~ 316.9	18.7 ~ 20.7	6	17.42
	355	355 ~ 357.2	21.1 ~ 23.4	6	22.17
Irrigation Service Pipe (SDR21)	400	400 ~ 402.4	23.7 ~ 26.2	6	28.02
	450	450 ~ 452.7	26.7 ~ 29.5	6	35.50
	500	500 ~ 503.0	29.7 ~ 32.8	6	43.86
	40	40 ~ 40.4	2.0 ~ 2.3	100	0.25
	50	50 ~ 50.4	2.4 ~ 2.8	100	0.37
	63	63 ~ 63.4	3.0 ~ 3.4	40	0.58
	75	75 ~ 75.5	3.6 ~ 4.1	40	0.82
	90	90 ~ 90.6	4.3 ~ 4.9	6	1.18
	110	110 ~ 110.7	5.3 ~ 6.0	6	1.77
	125	125 ~ 125.8	6.0 ~ 6.7	6	2.26
	140	140 ~ 140.9	6.7 ~ 7.5	6	2.83
	160	160 ~ 161.0	7.7 ~ 8.6	6	3.71
	180	180 ~ 181.1	8.6 ~ 9.6	6	4.66
	200	200 ~ 201.2	9.6 ~ 10.7	6	5.77
	225	225 ~ 226.4	10.8 ~ 12.0	6	7.29
	250	250 ~ 251.5	10.8 ~ 12.0	6	8.93
	280	280 ~ 281.7	11.9 ~ 13.2	6	11.26
	315	315 ~ 316.9	13.4 ~ 14.9	6	14.16
	355	355 ~ 357.2	15.0 ~ 16.6	6	17.97
	400	400 ~ 402.4	16.9 ~ 18.7	6	22.92
	450	450 ~ 452.7	19.1 ~ 21.2	6	28.99
	500	500 ~ 503.0	21.5 ~ 23.8	6	35.76

KOASIS 200®

Automatic Water, Fertilizer and Nutrient Supply System

Fertigation (Fertilization via a drip irrigation system with our KOASIS®) is the most efficient and advanced practice of fertilization. The right combination of water and nutrients is the important key for crop's high yield and quality.

KOASIS® through a drip irrigation system delivers automatically precise amounts of water and fertilizer directly to the root zones, as often as necessary.



Main features & Product Advantages

- Capable of 8,000m² fertigation and/or irrigation (Bigger capacity available by request).
- Regulating valves for manual operation.
- Automatic preventer for air intake.
- Program protection by lock system.
- Improving fertilizer efficiency.
- Providing cost labor & time saving.
- Suitable for all types of irrigation systems.
- Increasing yield production and crop quality.
- User-friendly programming and easy operation (automatic & manual)

- If there are just water and electricity, KOASIS® is able to be installed with easy way.

- Excellent A/S reaction system.
(If system will be out of order, it will be solved by replacing just circuit-board.)



KOASIS 2000[®]

Advantages & Benefits

- EC & pH control available (pH optional)
- Irrigation pump: 2HP
- Maximum Irrigation capacity: 11,700LPH
- Nutrient supply: Ventury type (30~300 LPH)



Main features

Content	Detail
Control type	Circulation interval control: Control interval time from start to end time Appointed time control: Control by user's setup
Irrigation type	Irrigation per each sector by setup time (Sec)
Fertilizer supply	Fertilizer A, B (Acid is optional)
Irrigation sector	Maximum 8 sectors by electronic valve
Program features	Individual control is available per sector by electronic valve EC: EC setup available per each sector (pH optional) Monitoring: Memorize irrigation time for 30 days Output test: Test function for water, irrigation pump, fertilizer valve, electronic valve Emergency irrigation: Manual irrigation is available for 1 time except setup time Emergency stop: Stop system operation while emergency case
Hardware features	Hydro valve offers safe & continuous water supply from mixing tank Aluminum frame, anti-corrosion control panel & cabinet Color 7" wide LCD touch screen, agitator with mixing tank



KOASIS 2000[®]

* Option: pH sensor / mixing tank

KOASIS 5000® PCB

Specification

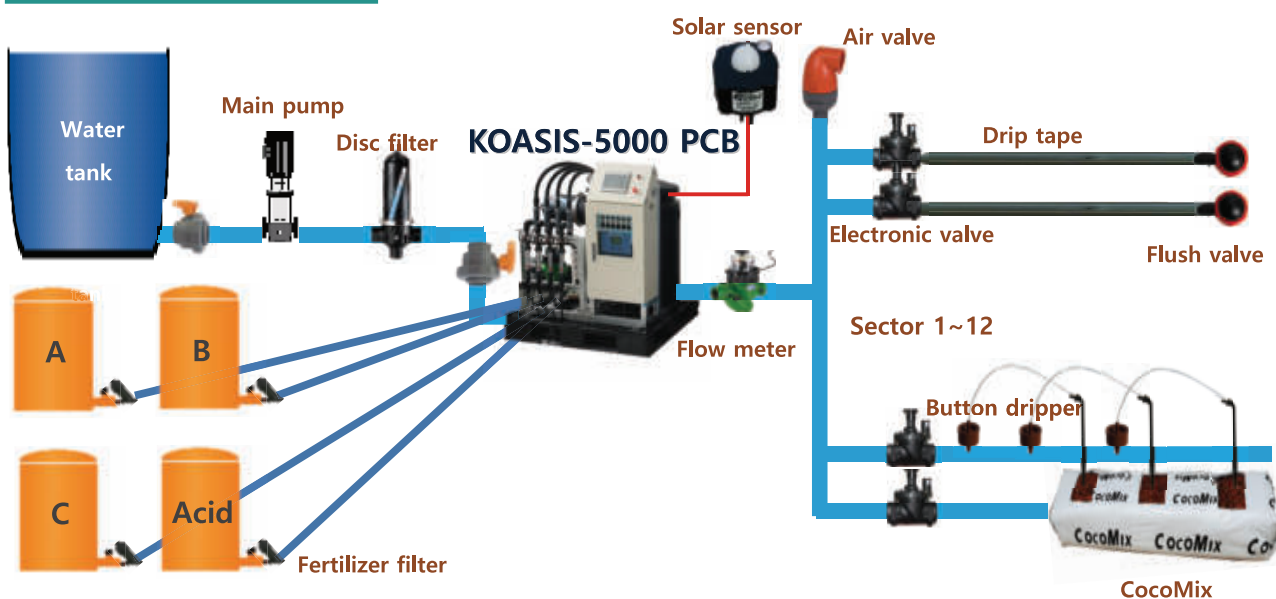
- Power : 1-phase 220V, 3-phases 380V (Option)
- Pump : Agricultural 2.2HP, Multistage Centrifugal 3~5 HP (Option)
- Fertigation : A, B, Acid 3 lines (Additional C is option)
- Mixing tank : Under 3 HP with 150 liter tank, Over 5 HP with 200 liter tank
- Irrigation method : Time setting, Flow rate setting (10 liter, option)



Main features

- Software : Self-developed SW-2010 / Control by MICOM
- Monitor : Easy operation with 7-inch color wide LCD touch screen
- Control type : Sequence interval, Appointed time, Sensor, Individual sectors control
- Agitator control : Controlled without installing a separate control (Repeated operation, Irrigation interlocking)
- Irrigation sector : Up to 12 sectors, EC/pH by sectors, Irrigation amount can be individually set
- EC/pH sensor : Basic EC/pH sensors, drainage EC/pH sensors can be connected and monitored (Option)

Schematic diagram



KOASIS 5000[®] PLC

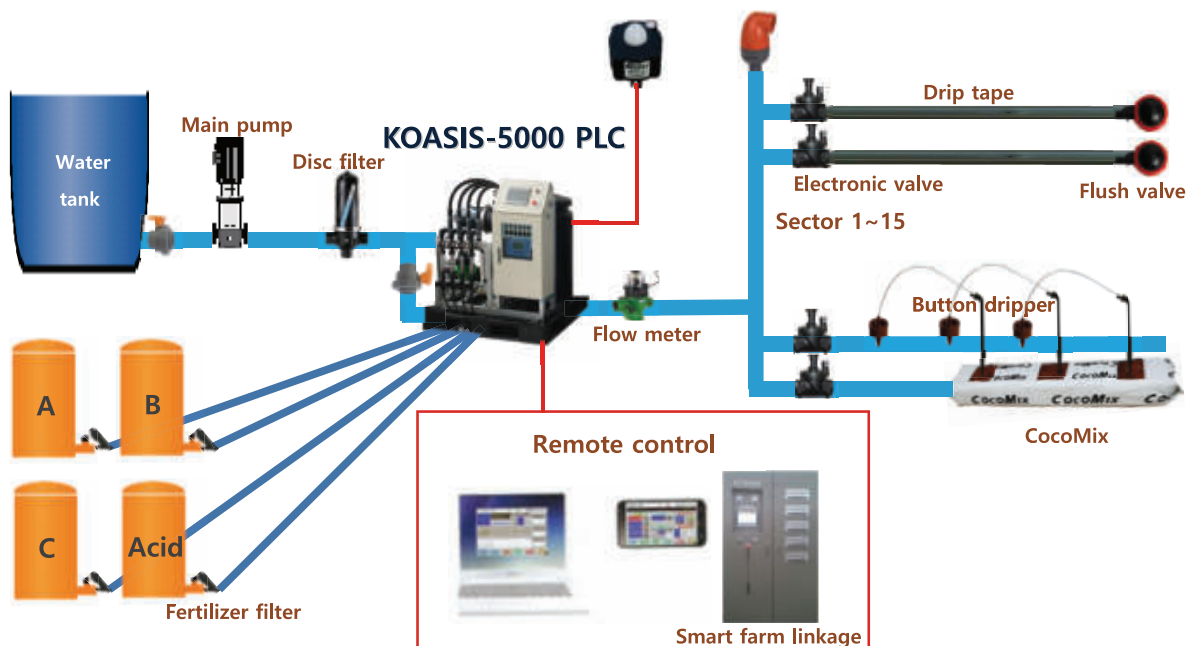
Remote control function

Specification

- Power : 1-phase 220V, 3-phases 380V (Option)
- Pump : Agricultural 2.2 HP, Multistage Centrifugal 3~5 HP (Option)
- Fertigation : A, B, Acid 3 lines (Additional C, D is option)
- Mixing tank : Under 3 HP with 150 liter tank, Over 5 HP with 200 liter tank
- Irrigation method : Time setting, Flow rate setting (10 liter, option)
- External device connection : VNC remote control (Option)
Link with complex environment control devices (Option)

Main features

- Software : Self-developed SW-XG 5000 / High program reliability due to LOGIC instructions
- Monitor : Easy operation with 7-inch color wide LCD touch screen
- Control type : Sequence interval, Appointed time, Sensor, Individual sectors, Program, Group control
- Agitator control : Controlled without installing a separate control (Repeated operation, Irrigation interlocking)
- Irrigation sector : Up to 15 sectors, EC/pH by sectors, Irrigation amount can be individually set
- EC/pH sensor : Basic EC/pH sensors, drainage EC/pH sensors can be connected and monitored (Option)



GoldenSprayer®

Automatic Atomizing Sprayer For Pesticide

Features

- No heating, Ultra-fine particles
- High effect preventive measures
- No remaining Chemicals
- Convenience and Effectiveness
- Good for Environment



Compressor built in



Specification

Products		Nozzle	Spraying amount	Compressure	Size (cm)	Weight	Effective Area
Compressor built in	SNC-02G	2	3.6~4.8 L/H	0.8 HP x 1 (Built in)	36 x 25 x 44	18 kg	Max 660m ²
	SNC-04G	4	7.2~9.6 L/H	0.8 HP x 2 (Built in)	36 x 54 x 44	30 kg	Max 1,650m ²
Fan	SNF-25S		Ø250				

Without Compressor



Specification

Products		Nozzle	Spraying amount	Compressure	Size (cm)	Weight	Effective Area
Without Compressor	SNA-04G	4	6.6~13.2 L/H	5 HP (Not included)	36 x 55 x 36	12 kg	Max 1,650m ²
	SNA-06G	6	9.9~19.8 L/H	7.5 HP (Not included)	36 x 55 x 40	13 kg	Max 2,640m ²
	SNA-08G	8	13.2~26.4 L/H	10 HP (Not included)	36 x 55 x 40	14 kg	Max 3,300m ²

Applications

Special Point	Explanation	Effect
Vaporization on the Normal Temperature	- Normal Temperature	- No change the Chemical Characteristics
	- No Heating method	- Good for Environment - Not make any pollution
Ultra Atomizing Particles	- Light Ultra -fine Particles (4.3 μm ~ 8.3 μm) - Can floating for long time	- Use less Chemical and Effect more
	No remaining Chemicals	- No Damage to electronic equipment, interior, papers, Furniture - Ultra-fine particles can be quick photodecomposition

Agricultural Machinery

GoldenRidger®

(One Ridger)



Features

- Width adjustable along the conditions
- Building neat furrows using disc
- Safe and efficient
- Large number of ridges compared to area
- Other work machines also can be installed



Specifications

Model	Upper Ridge Width (mm)	Ridge Height (mm)	Tractor Power (HP)	Dimension of Ridge
GT-A1400	800 ~1200	100~300	35 or more	
GT-A1500	900 ~1300	100~300	35 or more	
GT-A1600	1000 ~ 1400	100~300	35 or more	
GT-A1700	1100~ 1500	100~300	35 or more	
Application produces		Potato, Cabbage, Onion, Garlic, Ginger, Green onion, bean, radish, red bean, sorghum, medicinal herb, etc.		

* Custom production for non-standards available.

With Mulcher		With Seeder: 2~5 sets	
Low and high ridges can be covered (10~30mm)		Model: GT- C002NH2 Covered-T type Seeder	Model: GT- C002N2 Coverless-T type Seeder
			

* Can be equipped with Mulcher, seeder and Drip taper

GoldenRidger®

(Two Ridgers)

Features

- Ridge width and height adjustable according to crop
- Formed various ridges and built neat furrows
- Easy to handle and efficient
- Other work machines also can be installed



Specifications

Model	①Upper Furrow (mm)	②Bottom Furrow (mm)	③Ridge Height (mm)	Tractor Power (HP)	Dimension of Ridge
GT-B1400	700~900	300~	150~250	45 or more	
GT-B1500	750~950	300~	150~250	45 or more	
GT-B1600	800~1000	300~	150~250	45 or more	
GT-B1700	850~1050	300~	150~250	45 or more	

- * Custom production for non-standards available.
- * Can be equipped with Mulcher, seeder and Drip taper



Model	①Upper Furrow (mm)	②Bottom Furrow (mm)	③Ridge Height (mm)	Tractor Power (HP)	Dimension of Ridge
GT-B1800	950~1150	300~	150~250	50 or more	
GT-B2000	1000~1250	300~	150~250	50 or more	
GT-B2200	1100~1350	300~	150~300	80 or more	
GT-B2400	1200~1450	300~	150~300	80 or more	
GT-B2600	1300~1500	300~	150~300	80 or more	

- * Custom production for non-standards available.
- * Can be equipped with Mulcher, seeder and Drip taper

GoldenRidger®

Features

(Three Ridgers)

- Ridge width and height adjustable according to crop
- Formed various ridges and built neat furrows
- Easy to handle and efficient
- Other work machines also can be installed



Specifications

Model	①Upper Furrow (mm)	②Bottom Furrow (mm)	③Ridge Height (mm)	Tractor Power (HP)	Dimension of Ridge
GT-C2000	670~760	300~	150~250	55 or more	
GT-C2200	740~830	300~	150~300	60 or more	
GT-C2400	800~900	300~	150~300	80 or more	
GT-C2600	870~960	300~	150~300	80 or more	

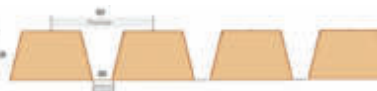
* Custom production for non-standards available.

* Can be equipped with Mulcher, seeder and Drip taper

(Four Ridgers)



Specifications

Model	①Upper Furrow (mm)	②Bottom Furrow (mm)	③Ridge Height (mm)	Tractor Power (HP)	Dimension of Ridge
GT-D2600	650~730	300~	150~300	90 or more	

* Custom production for non-standards available.

* Can be equipped with Mulcher, seeder and Drip taper

GoldenSeeder® For Tractor

Features

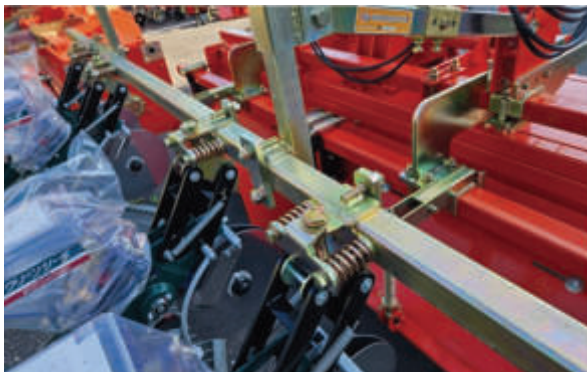
- As left and right cushioning and curved work become possible, work becomes more precise and smoother, the risk of damage during work and movement is significantly reduced.
- A three-hole disc plate optimized for soybeans is manufactured to enable accurate sowing, A variety of seeds can be sowed by replacing the disc plate.
- Cost saving with one process (Soil digging, seeding, covering and compacting at once)
- Easy seed distance management (5cm~51cm)
- The specially manufactured seed container does not cause whitening (cracking) due to sunlight and does not break even under small impacts.



Seeder equipped with left and right buffer springs



Seeder mounted on Ridger without mulcher



Seeder mounted on Ridger with left and right buffer springs



Existing seed er mounted on Ridger without mulcher

GoldenVibratingRidger®

Features

- Clean Ridges
- Capable of adjustable ridges by Greenhouse width
- Single work to do all
- Reduce it work time
- Equipped with Tillage Blade



Ridge width adjustment bolt



Furrow upper width adjustment bolt



Vibrating Wing



Tillage Blade

Vibrating wings pound on the sides to form ridges
Forming clean ridges at once

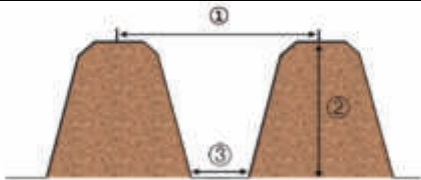
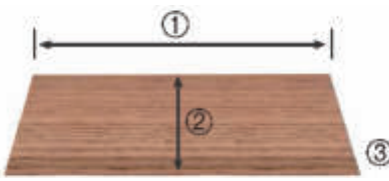
*Utility Model



Perfectly Refined Finishing



Specifications

Model name	Tractor Power(HP)	Dimension of Ridge
GT-B003	35 or more Exclusive for Strawberry	 ① Ridge Width : Adjustable in 950~1,200mm range ② Ridge Height : A minimum of 400mm ③ Furrow Width : Adjustable in 350~330mm range
GT-B004L	35 or more Exclusive for Carrot	 ① Ridge Width : Adjustable in 800~1,300mm range ② Ridge Height : A minimum of 250~350mm range ③ Furrow Width : 150mm (Fixed type)

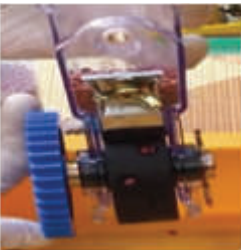
GoldenSeeder®

Features

- Cost saving with one process
(Soil digging, seeding, covering and compacting at once)
- Easy seed distance management (5cm~51cm)
- Easy to check the seed size
- One touch detachable container



Easy to detach the container



Seeding from roller



Specification

Products	GSH - 1000	GSH - 2000	GSH - 3000	GSH - 6000
Type	1 Row	2 Row	3 Row	6 Row
Weight	9.5 kg	13.2 kg	16.5 kg	40.0 kg
Box size (W.L.H)	850*250*450 mm	860*380*550 mm	870*490*540 mm	1000*490*540 mm
Application				
	Radish, carrot, Chinese cabbage, spinach, burdock, young radish, leaf mustard, lettuce, shallot, onion, chive, parsley, bean, corn, etc.			

GoldenTray®

GoldenTray®

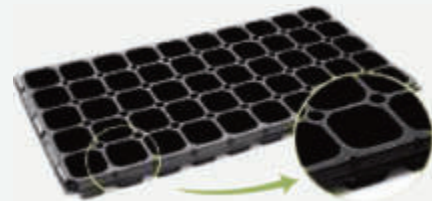
Specifications

- Wall Thickness : 0.85mm
- Color : Black

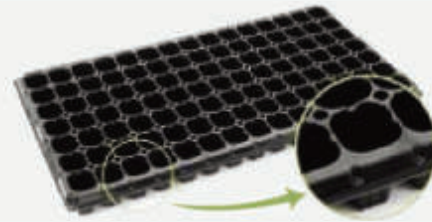
- Package : 100ea/box (128&288cells 70ea/ box)
- Box Size : 430 x 300 x 550mm

- 32 Cell
- 40 Cell
- 50 Cell
- 72 Cell
- 80 Cell
- 105 Cell
- 128 Cell
- 162 Cell
- 200 Cell
- 288 Cell
- 388 Cell
- 390 Cell
- 406 Cell
- 512 Cell

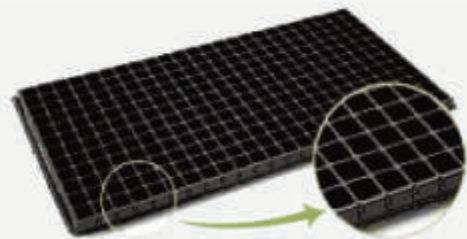
50 square cell for gardening



105 square cell for gardening



288 square cell for gardening

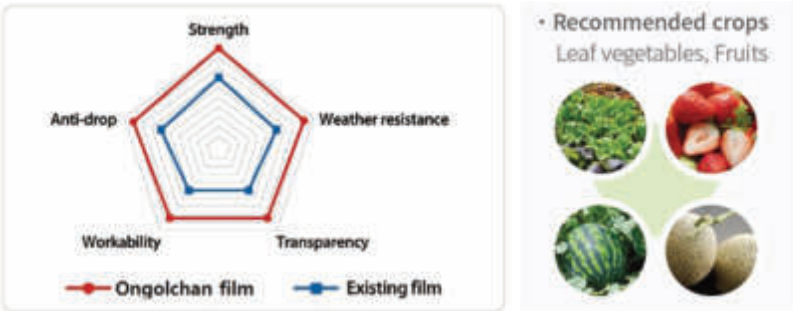


GoldenFilm® Greenhouse Film

Ongolchan Film (PO added film)

Main Features

- Strength and life are intensively improved compared to the existing outer films.
- Use of special materials can guarantee very high durability.



Jang-su Film

Main Features

- High weather resistance, durability and workability film, can be used for most crop cultivation.
- Long-life and strength suitable for use as external greenhouse film
- Compared to general films, it generates more water, thus making it suitable for early harvesting.



General PE film (Transparent film)

Main Features

- Can be used cheaply when covering a greenhouse for a short period of time
- Also used for industrial sites such as construction, interior and road pavement



Specifications

Product name	Wall thickness (m)	Width (m)	Length (m)
Ongolchan	0.08~0.15	6.0~13.0	Customizable
Jang-su	0.08~0.15	6.0~14.0	
General	0.08~0.15	1.0~10.0	

※ Production available: Needle punching/Perforated film, wall thickness, width, length

GoldenFilm® Mulching film

Black/Black

Main Features

Water evaporation prevention, weed control, geothermal stabilization.

Black with color-combo

Main Features

The transparent part increases the temperature of ground and the black part blocks the sun light to suppress weed.

Black/White

Main Features

White film reflects light, which is very effective in maintaining stable geothermal during high temperature season (Summer).
Lowers geothermal, maintains moisture, reduces high temperature damages.

Black/Silver

Main Features

Silver film reflects radiation to forbid the excess heating of crops and
Increases photosynthesis. Black film prevents the penetration of sunlight and lowers the development of weeds.

Green/Silver

Main Features

Silver film reflects radiation to forbid the excess heating of crops and increases photosynthesis. Green film encourages the growth of crops and greater yields.

Green

Main Features

Light transmittance is higher than black film.
Helps the growth of crops and has a very good moisture maintenance effect.

Specifications

W. Thickness	Width (m)	Length (m)	Weight (kg/roll)
Black/ Black			
0.015	1.00	1,200	18.06
0.022	1.00	600	13.64
Black/ Silver			
0.017	1.20	1,000	20.30
0.030	1.30	600	23.00
Black/ White			
0.030	1.32	500	21.70
0.035	1.32	300	15.60

※ Production available Needle punching/Perforated film, wall thickness, width, length



Johnider V2

Advantages

- Virostatic effect

Johnider V2 series is not an agricultural chemical; It is a product that prevents virus from disseminating throughout the plant by **virostatic effect**.

Virostatic : Able to inhibit viral replication, which can be resumed when the virostatic agent is removed.

- Elimination of seedborne bacteria

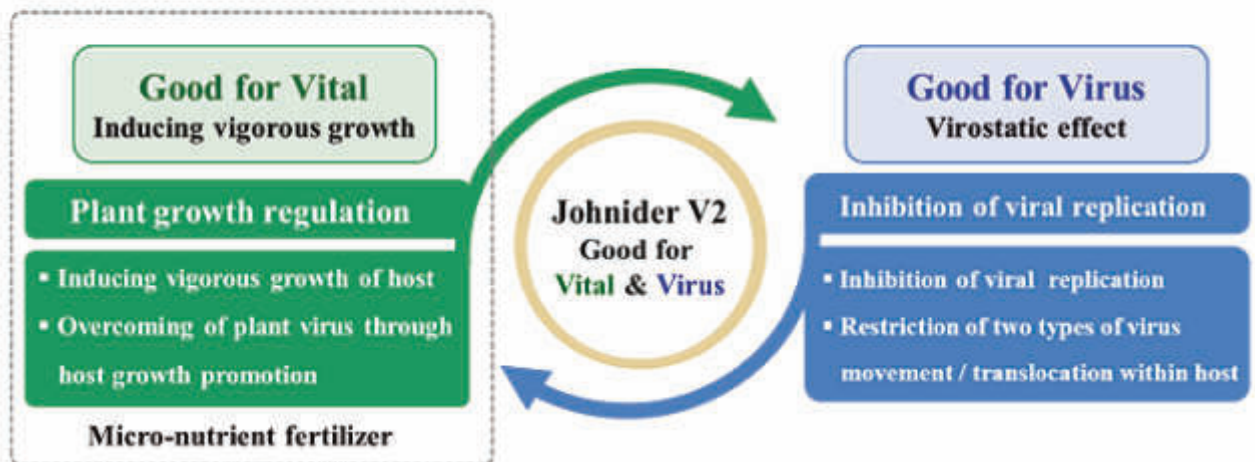
To produce healthy agricultural products, sterilize seeds with Johnider V2 SEI without pesticides.

Products

Johnider V2 SEI	- For seed treatment, to inhibit incidence of virus in the seed - Just by treating the seed once you can be freer from the fear of Virus
Johnider V2 FA	- For foliar application - Product that prevents virus transmission without inactivating

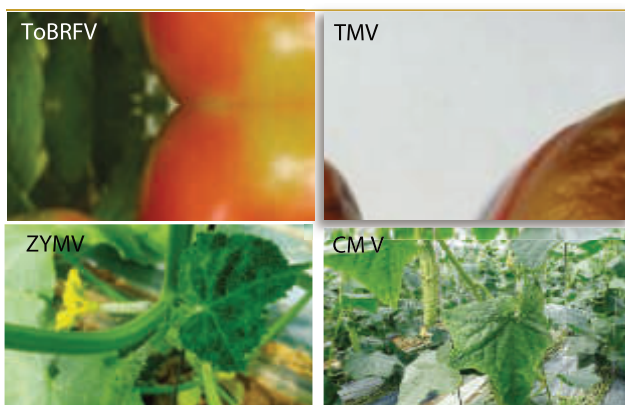
Mechanism

Johnider V2 Vital+Virus



Applications

Solanaceae crops & Cucurbitaceae crops



- Tobamovirus : Tobacco mosaic Virus (TMV), Tomato mosaic virus (ToMV), Tomato brown rugose fruit virus (ToBRFV)
- Cucurbit green mottle mosaic virus CGMMV)
- Potyvirus : Zucchini Yellow Mosaic Virus (ZYMV), Papaya ring spot virus (PRSV), Watermelon mosaic virus (WMV)
- Begomovirus : Tomato yellow leaf curl virus (TYLCV) Only Tomato
- Cucumovirus : Cucumber mosaic virus (CMV)
- Orthotospovirus : Impatiens necrotic spot virus (INSV), Tomato spotted wilt virus (TSWV)



Johnider V2 SEI

100cc (1ℓ) *Dilution 1:100 (1.0%)



Johnider V2 FA

1000cc (1ℓ) *Dilution 1:500 (0.2%)

Si-Star SiO_3 water solubility silicate

Advantages & Benefits

- Eco-friendly & Bio-agricultural Products
- Activation of photosynthesis
- Promote Root development & increase of harvest
- Reduction of dryness & high temperature damage
- Increasing the nutrient absorption such Ca and K



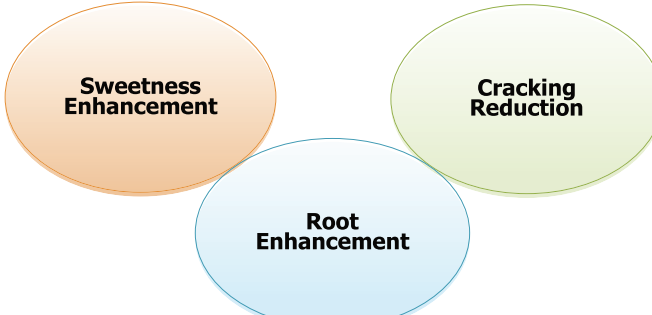
	Si-Star	Si-Star/ Fine Granule	Si-Star K	Si-Star (Ca)
Products				
Dilution	1: 2000 (0.05%)	500cc/ 1L	500cc/ 1L	500cc/1L
Application	All kinds of crops, Rice, Root crops, Fruits, Leafy vegetables			
Methods of use	Foliar, drench, wide scattering and aerial application, Mixable with most pesticides			

Stevia Green⁺ - soil microbial agent

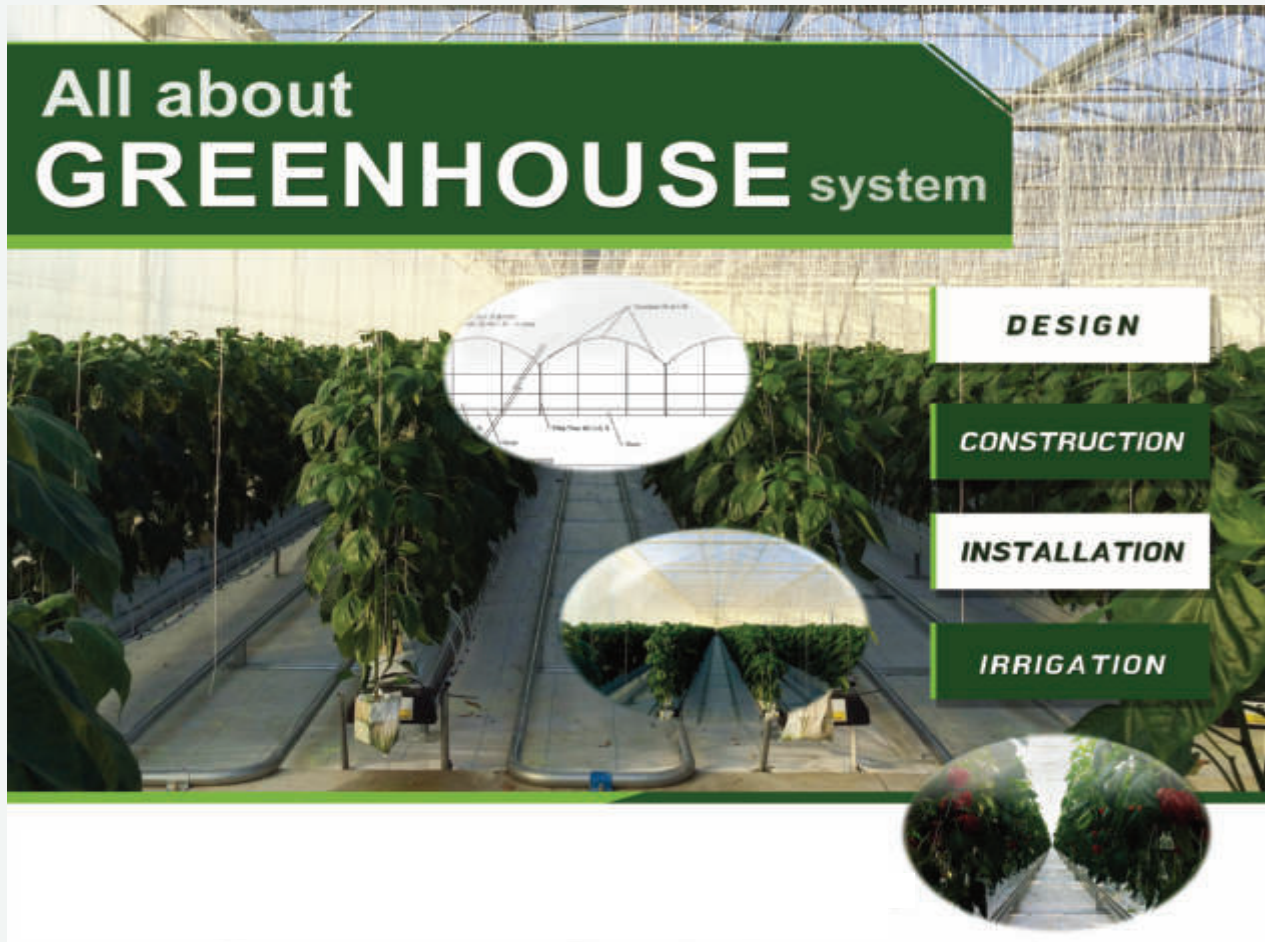
Advantages & Benefits

- Environmentally friendly agricultural methods
- Improvement of soil fertility by activation of microorganisms
- Steady growth & development by root growth enhancement
- Decrease risk damage by harmful insects and cold-weather
- Repair soil damage, increased yield
- Unique flavor, increase sweetness, nutrients & texture
- Reduce cracking due to strong fruits cell tissue



Fertilizer type	Soil microbial agent (liquid -type)	Effects of treatment
Effects	11~17% growth promote in ground part, 10~21% growth promote in underground part	
Applications	Grains, Leafy vegetables, roots vegetables, Fruits	
Methods of use	Foliar, fertilization and irrigation by diluting water 500~1000times	

SmartGreenHouse®



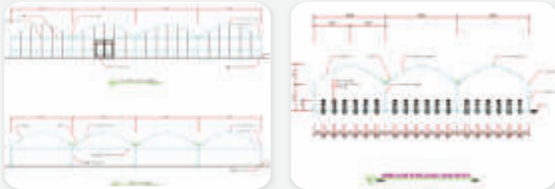
GOLDEN TREE® Greenhouse projects can be found in all climate areas including hot, cold, moderate and tropical climates. Golden Tree experts are adopting Greenhouse Technologies that are best suited to a wide range of climates, market demands and customer requests. Golden Tree comprehensive services and solutions include Data Collection, Design, Installation, and After-Sales Service.



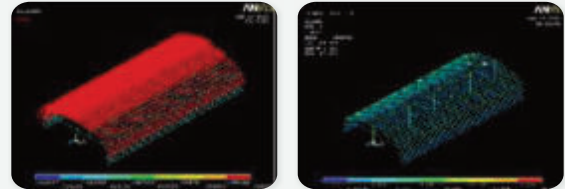
Greenhouse projects comprise integrated Information and Communication Technology(ICT) for all greenhouse systems including and crop types, geographic locations, greenhouse types, supporting technologies, etc.

Greenhouse work process

Designing & Quotation



Structure simulation



Greenhouse structures

Golden TREE® supplies various greenhouse structures suitable for a wide range, variety of weather conditions. Golden Tree greenhouse structures meet international standards for snow, wind and vertical loads and are in compliance with Korea and industry standards.



Greenhouse Applications

We offer innovative in-house systems and creative greenhouse planning and design directly from the source delivering fine-tuned solutions for:

- Heating Systems
- Control Syetems
- Irrigation Systems
- Automatic Fertigation Systems
- Project Design, Integration and installation
- Greenhouse Accessories

We take pride in our world-class integration capabilities that come from real-world agro-technology and greenhouses experience.

SmartGreenHouse®



GoldenGreenhouse® projects can be found in all climate areas including hot,cold, moderate and tropical climates.

Single Span Greenhouse

Features

Little shading, Excellent prevention of crop epidemic

Structure

Width : 6~8m
Side Height : 1.6~2.0m
Overall Height : 3.0~4.2m
Length : Within 100m in length



Multi Span Greenhouse I

Features

The maximum space utilization.

Structure

Width : 6~9m, Width bay : 12~100m
Side Height : 1.6~2.0m
Overall Height : 3.0~4.2m
Length : Within 100m in length



Multi Span Greenhouse II

Features

48mm round galvanized pipe pillars
Automation facility (Switch, shading curtain, floating fan, etc.)

Structure

Width : 6~9m, Width bay : Within 110m
Side Height : 2.0~4.0m
Overall Height : 4.0~6.5m
Length : Within 100m in length



Multi Span Greenhouse - Gothic

Features

60mm square galvanized pipe pillar (stronger than 48 Multi span)
For high value crop cultivation.
Easy maintenance

Structure

Roof : Gothic
Width : 6~9m, Width bay : Within 110m
Side Height : 4.0~6.0m
Overall Height : 6.0~8.5m
Length : Within 100m in length



Multi Span Greenhouse - Butterfly

Features

Prevent obstacles high temperature
Easy control to adjust the growth environment for high value crop

Structure

Roof : : Butterfly
Width : 6~9m, Width bay : Within 110m
Side Height : 4.0~6.0m
Overall Height : 6.0~8.5m
Length : Within 100m in length





To Help Those In Need



Seowon delivers hope to children in need.



GOLDEN TREE
Since 1978 SEOWON

<http://www.seowonco.com/eng/>
E-mail : sales@seowonco.com

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