

Partner for better irrigation



NAM KYUNG



about NAM KYUNG

NAM KYUNG was founded in 1996 by Mr. Jae Yong So, who wanted to develop drip irrigation tape, made in Korea.

Drip irrigation system was actively introduced to Korean growers in 1980's by foreign companies. And thanks to diverse benefits of drip irrigation and government support program, it could get wide-spread on Korea farm areas in a short period.

In order to achieve the pure meaning of Korean drip tape with own technology, NAM KYUNG invented own production lines by making unremitting efforts and investments.

Starting from the first Korean drip irrigation tape "WATER FALL - Q", NAM KYUNG continued to develop new products - drip tube for multi year usage "WATER LINE", linear type drip tape "WATER FALL - N", auto nutrient supply system "Ong Dal Saem" and PE pipe.

NAM KYUNG could build trust between growers by serving with consistent quality, competitive price and extensive service network covering all Korea.

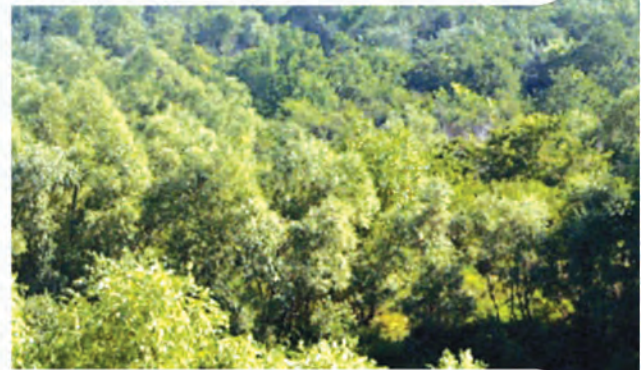
Greatly thanks to growers' and partners' supports, NAM KYUNG remains as one of leading suppliers for drip irrigation system in Korea now.

NAM KYUNG is also trying to expand sales and production facilities in overseas market.

NAM KYUNG will serve customers and growers with the best quality and service.

Thank you very much.







WATER FALL - Q

Application
Row crop irrigation

Benefits
 Compact, flexible and solid injected dripper
 Unique labyrinth for turbulence
 Seamless with welded drippers
 Resistant to UV and agricultural chemicals
 Low CV under 0.03



General Specification

Inside Diameter	16.1 mm
Wall Thickness	0.15 mm ~ 0.40 mm(6 mil ~ 16 mil)
Emitter Distance	5 cm ~ 100cm
Flow rate (1 bar)	0.7 / 1.1 / 1.4 / 1.8 / 2.5 L.H
Working Pressure	0.5 ~ 1.5 bar
Filtration	120 mesh
Roll Length	1000 m / 2000 m

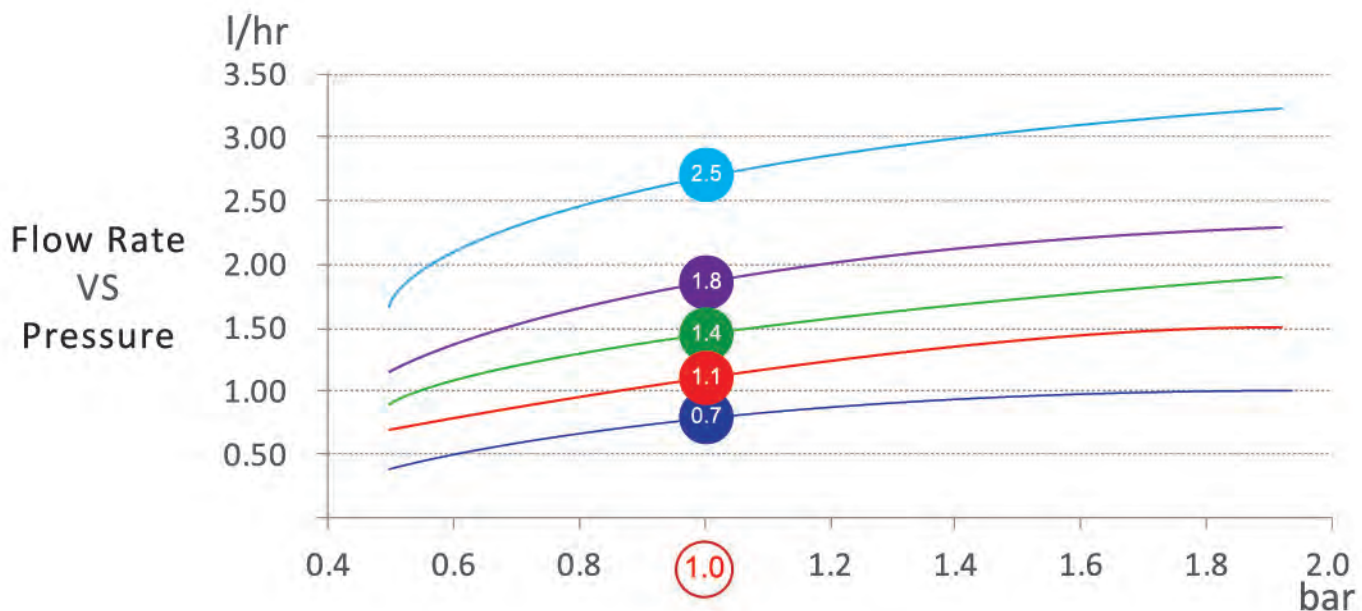
Water Fall - Q Tape Technical data

ID(mm)	Wall Thickness (mm) (mil)	OD(mm)	Recommended Working Pressure	Maximum Pressure
16.1	0.15 6	16.4	0.5 ~ 1.0	> 1.5
	0.20 8	16.5	0.5 ~ 1.0	> 2.5
	0.25 10	16.6	0.5 ~ 1.2	> 3.2
	0.30 12	16.7	0.5 ~ 1.2	> 4.0
	0.35 14	16.8	0.5 ~ 1.2	> 4.5
	0.40 16	16.9	0.5 ~ 1.2	> 5.2

Drippers' Technical Data



Nominal Flow rate (L/H) at 1 bar	Water Passages W x D x L (mm)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
0.7	0.85 x 0.40 x 26	120 / 130	< 3 %	0.28	0.45
1.1	0.85 x 0.60 x 26	120 / 130	< 3 %	0.39	0.45
1.4	0.85 x 0.75 x 27	120 / 130	< 3 %	0.55	0.48
1.8	0.85 x 0.80 x 27	120 / 130	< 3 %	0.62	0.48
2.5	0.85 x 1.00 x 35	120 / 130	< 3 %	0.89	0.48



Flow rate(L/H) VS Pressure(bar)

Nominal	0.5	0.8	1.0	1.2	1.5
0.7	0.44	0.53	0.7	0.74	0.88
1.1	0.70	0.90	1.09	1.20	1.35
1.4	0.83	1.20	1.38	1.43	1.65
1.8	1.15	1.60	1.85	2.00	2.28
2.5	1.52	2.13	2.50	2.83	3.18

Maximum Lateral Length(m) within 90% uniformity on Flat Terrain

Nominal (L/H)	Inlet Pressure(bar)	Dripper Distance(cm)					
		10	20	30	40	50	60
0.7	0.7	77	122	161	195	231	259
	1.0	85	143	177	214	254	285
1.1	0.7	62	96	127	156	181	204
	1.0	68	117	140	171	199	224
1.4	0.7	50	79	103	124	142	159
	1.0	55	94	113	136	156	175
1.8	0.7	47	68	95	115	132	148
	1.0	53	72	105	128	146	167
2.5	0.7	35	55	72	87	101	114
	1.0	38	66	79	96	111	125



Loading Quantity

Wall Thickness	Roll Length(m)	Emitter Spacing (cm)	Average Roll Weight (Kgs)	20 feet (Rolls)	40 feet (Rolls)	40 HC (Rolls)
6 mil (0.15 mm)	1000 m	10	11.3	810	1674	1860
		15	10.2	900	1866	2052
		20	9.6	900	1866	2052
		30	9.1	900	1866	2052
	2000 m	15	20.5	480	1040	1136
		20	19.8	480	1040	1136
8 mil (0.20 mm)	1000 m	10	12.5	810	1674	1860
		15	11.4	900	1866	2052
		20	10.8	900	1866	2052
		30	10.3	900	1866	2052
	2000 m	15	22.1	440	944	1040
		20	21.0	480	1040	1136
		30	19.9	480	1040	1136

Unit Conversion

Length

1 mm = 39.37 mil
 1 mil = 0.0254 mm = 0.001 inch
 1 m = 1.09613 yd = 39.370079 inch = 3.28084 feet
 1 km = 0.621371 mile = 1093.6133 yd = 3280.8399 feet
 1 foot = 12 inch = 0.333333 yd = 30.48 cm
 1 yd = 36 inch = 3 feet = 0.9144 m
 1 mile = 1760 yd = 5280 feet = 1.609344 km

Volume

1 L = 0.264172 gal(USA) = 0.219975 gal(UK) = 0.001 m³
 1 gal(USA) = 3.785412 L = 1.2009 gal(UK) = 0.023823 bbl

Pressure

1 atm = 0.101325 MPa = 1.01325 bar = 1.033227 kgf/cm² = 14.696 psi
 1 MPa = 9.869233 atm = 1000 kPa = 10 bar = 10.197162 kgf/cm² = 145.038243 psi
 1 bar = 0.1 MPa = 1.019716 kgf/cm² = 14.503824 psi
 1 kgf/cm² = 0.967841 atm = 98.0665 kPa = 0.980665 bar = 14.223393 psi
 1 psi = 6.894733 kPa = 0.068947 bar = 0.070307 kgf/cm²

Area

1 m² = 0.01 a = 0.001 ha = 10.76391 ft² = 1.19599 yd² = 0.000247 ac = 0.3025 pyong
 1 km² = 1000,000 m² = 10000 a = 100 ha = 247.105381 ac = 302500 pyong
 1 ha = 1000 m² = 0.01 km² = 2.471054 ac = 3025 pyong
 1 ac = 4046.85642 m² = 0.404686 ha = 4840 yd² = 1224.17407 pyong

WATER FALL - N



Application
Row crop irrigation

Benefits
Flexible and thin linear dripper
Unique labyrinth for turbulence
Resistant to UV and agricultural chemicals
Low CV under 0.045



General Specification

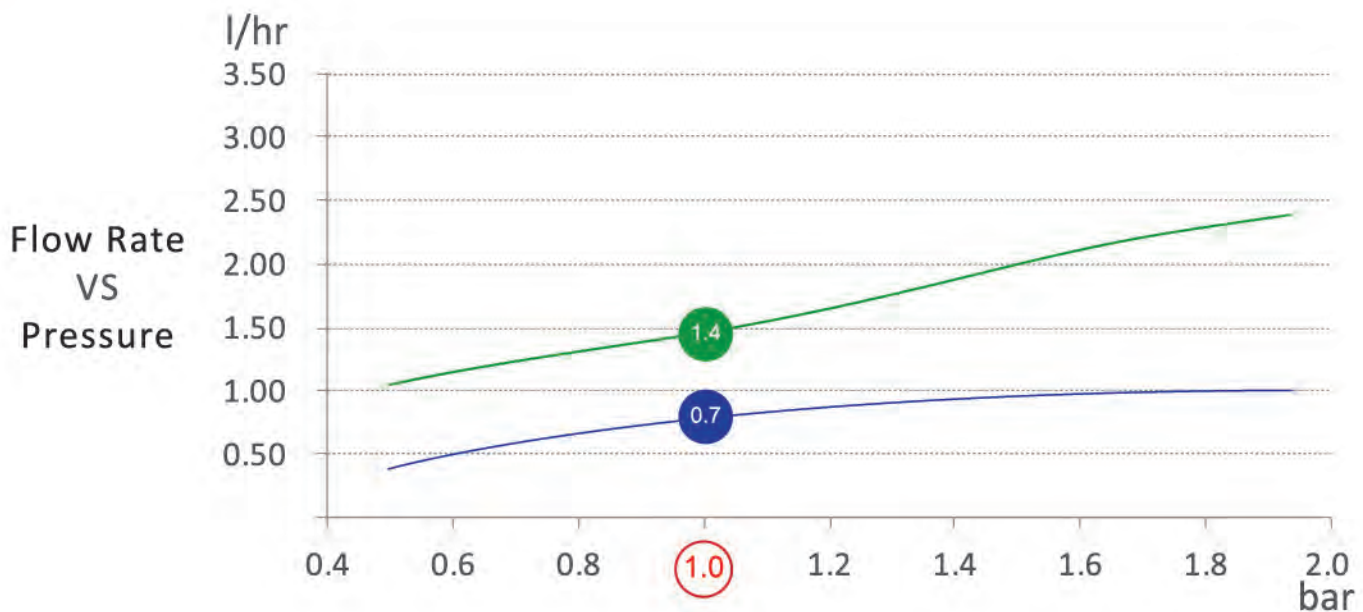
Inside Diameter	16.1 mm / 22 mm
Wall Thickness	0.15 mm ~ 0.40 mm(6 mil ~ 16 mil)
Emitter Distance	10cm / 20cm
Flow rate (1 bar)	0.7 / 1.4 L.H
Working Pressure	0.5 ~ 1.5 bar
Filtration	120 mesh
Roll Length	1000 m / 1800 m / 1600m

Water Fall - N Tape Technical data

ID(mm)	Wall Thickness (mm) (mil)	OD(mm)	Recommended Working Pressure	Maximum Pressure
16.1	0.15 6	16.4	0.5 ~ 1.0	> 1.5
	0.20 8	16.5	0.5 ~ 1.0	> 2.0
	0.25 10	16.6	0.5 ~ 1.2	> 3.2
	0.30 12	16.7	0.5 ~ 1.2	> 4.0
	0.35 14	16.8	0.5 ~ 1.2	> 4.5
	0.40 16	16.9	0.5 ~ 1.2	> 5.2
22 mm	0.18 7	22.36	0.5 ~ 1.2	> 1.5
	0.20 8	22.4	0.5 ~ 1.2	> 2.0

Drippers' Technical Data

Nominal Flow rate (L/H) at 1 bar	Water Passages W x D x L (mm)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
0.7	0.85 x 0.40 x 76	120 / 130	< 4.3 %	0.28	0.54
1.4	1.10 x 0.40 x 67	120 / 130	< 4.5 %	0.55	0.54



Flow rate(L/H) VS Pressure(bar)

Nominal	0.5	0.8	1.0	1.2	1.5
0.7	0.42	0.63	0.72	0.82	0.93
1.4	1.02	1.43	1.44	1.84	2.12

Maximum Lateral Length(m) within 85% uniformity on Flat Terrain

ID(mm)	Nominal (L/H)	Inlet Pressure(bar)	Dripper Distance(cm)	
			10	20
16.1	0.7	0.7	69	120
		1.0	82	142
16.1	1.4	0.7	50	78
		1.0	55	92
22	0.7	0.7	135	195
		1.0	145	216
22	1.4	0.7	127	156
		1.0	135	187



Loading Quantity (ID: 16.1 mm)

Wall Thickness	Roll Length(m)	Emitter Spacing (cm)	Average Roll Weight (Kgs)	20 feet (Rolls)	40 feet (Rolls)	40 HC (Rolls)
6 mil (0.15 mm)	1000 m	10	13.5	675	1430	1690
		20	13.5	675	1430	1690
	1800 m	10	23.5	440	944	1040
		20	23.5	440	944	1040
8 mil (0.20 mm)	1000 m	10	13.5	675	1430	1690
		20	13.5	675	1430	1690
	1800 m	10	23.5	440	944	1040
		20	23.5	440	944	1040

Loading Quantity (ID: 22 mm)

7 mil (0.18 mm)	1000 m	10	15	-	-	-
		20	15	-	-	-
	1600 m	10	24.5	440	944	1040
		20	24.5	440	944	1040



With wide range of choices in spec, Water Fall is applicable to most row crops in open field, greenhouse and nutriculture - strawberry, onion, carrot, radish, cabbage, tomato, potato, sugarcane, cucumber, tobacco, aubergine, watermelon, pepper and flowers,,,,etc.

Using highest quality of polyethylene has been one of main production rules and promises to grower's valuable efforts, and never waived since company installation, 1996.

And added with carbon and special agents, Water Fall secures good durability and resistance against field abrasion, agri chemicals, ultraviolet rays.

SMILE SPRAY HOSE



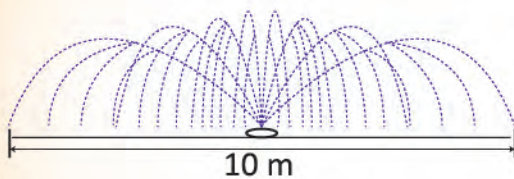
Spray hose is commonly used for leaf vegetables that have relatively shallow root and no side effects from wet leaves.

It has advantages of spraying wide area in short time and less cost for installation.

While using spray hoses, pressure should not be over manufacturer's working pressure, usually 0.3 ~ 0.5 bar, due to thin wall thickness of most spray hoses.

And special attention is required during installation so that the hoses are not scratched or laid or bended on gravels.

Item No : SML 7 - 10



Flat width : 7 cm

Diameter : 44 mm

Wall Thickness : 0.35 mm

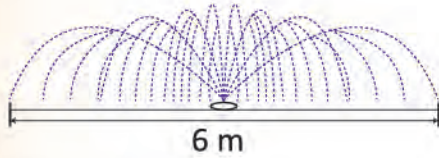
Roll Length : 100m

Optimal Pressure : 1.0 bar

Bursting Pressure : 1.5 bar

Flow Rate : 39 Liter per one Minute and 10m
12 holes in 55 cm repeat

Item No : SML 6 - 6



Flat width : 6 cm

Diameter : 38 mm

Wall Thickness : 0.22 mm

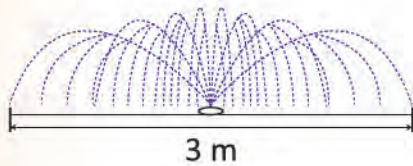
Roll Length : 200m

Optimal Pressure : 0.5 bar

Bursting Pressure : 0.9 bar

Flow Rate : 18 Liter per one Minute and 10m
18 holes in 51 cm repeat

Item No : SML 6 - 3



Flat width : 6 cm

Diameter : 38 mm

Wall Thickness : 0.20 mm

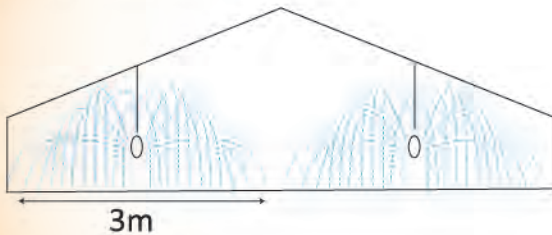
Roll Length : 200m

Optimal Pressure : 0.3 bar

Bursting Pressure : 0.9 bar

Flow Rate : 10 Liter per one Minute and 10m
15 holes in 35 cm repeat

Item No : SMH 6 - 3



Flat width : 6 cm

Diameter : 38 mm

Wall Thickness : 0.20 mm

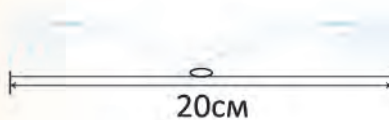
Roll Length : 200m

Optimal Pressure : 0.3 bar

Bursting Pressure : 0.9 bar

Flow Rate : 8 Liter per one Minute and 10m
22 holes in 35 cm repeat

Item No : SMLI 6.5



Flat width : 6.5 cm

Diameter : 42 mm

Wall Thickness : 0.20 mm

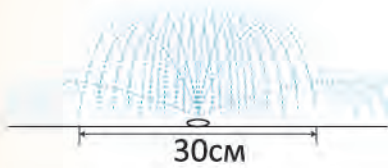
Roll Length : 200m

Optimal Pressure : 0.3 bar

Bursting Pressure : 0.9 bar

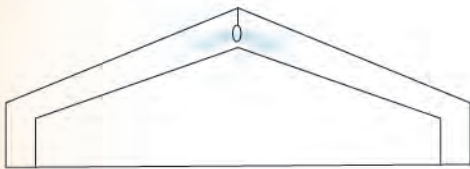
Flow Rate : 6 Liter per one Minute and 10m
2 holes in 20 cm repeat

Item No : SMSB 6



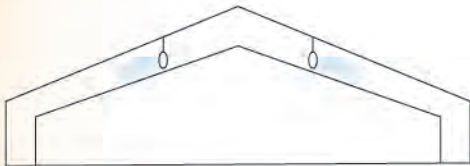
Flat width : 6 cm
Diameter : 38 mm
Wall Thickness : 0.20 mm
Roll Length : 200m
Optimal Pressure : 0.3 bar
Bursting Pressure : 0.9 bar
Flow Rate : 9.5 Liter per one Minute and 10m
12 holes in 40 cm repeat

Item No : SBBS 6



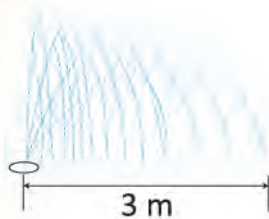
Flat width : 6 cm
Diameter : 38 mm
Wall Thickness : 0.28 mm
Roll Length : 200m
Optimal Pressure : 0.2 bar
Bursting Pressure : 0.9 bar
Flow Rate : 12 Liter per one Minute and 10m
2 holes in 22 cm repeat

Item No : SBOS 6



Flat width : 6 cm
Diameter : 38 mm
Wall Thickness : 0.28 mm
Roll Length : 200m
Optimal Pressure : 0.2 bar
Bursting Pressure : 0.9 bar
Flow Rate : 6 Liter per one Minute and 10m
1 holes in 22 cm repeat

Item No : SMLS 6



Flat width : 6 cm
Diameter : 38 mm
Wall Thickness : 0.22 mm
Roll Length : 200m
Optimal Pressure : 0.5 bar
Bursting Pressure : 0.9 bar
Flow Rate : 9.5 Liter per one Minute and 10m
12 holes in 51 cm repeat

* Other specifications are available for production.



WATER LINE

Application
Perennial crop irrigation



Benefits
Excellent durability for multi year usage
Less Clogging
Resistant to UV and agricultural chemicals
Uniform flow rate



General Specification

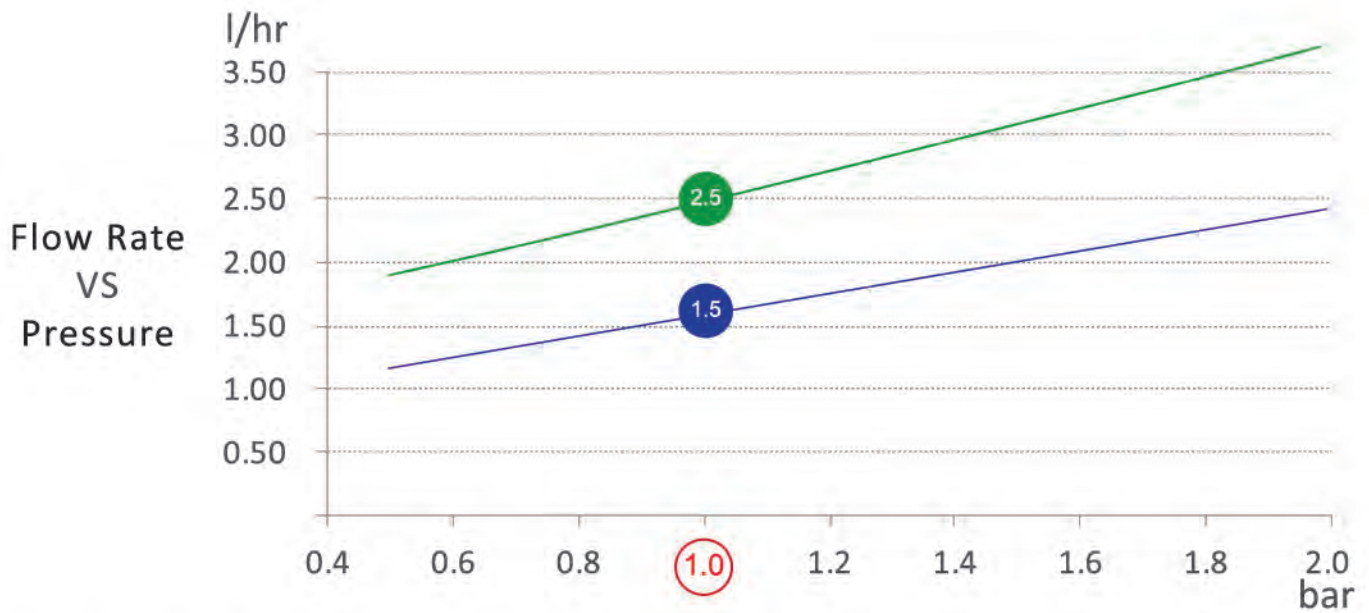
Outside Diameter	15.8 mm
Wall Thickness	1.0 mm ~ 1.2 mm(39 mil ~ 47 mil)
Emitter Distance	15 ~ 100 cm
Flow rate (1 bar)	1.5 / 2.5 L.H
Working Pressure	1.0 ~ 1.5 bar
Filtration	120 mesh
Roll Length	300 m / 400 m

Water Line Technical data

ID(mm)	Wall Thickness (mm) (mil)	OD(mm)	Recommended Working Pressure	Maximum Pressure
13.8	1.0 39.37	15.8	1.0 ~ 1.5	> 2.2
13.6	1.1 43.30	15.8	1.0 ~ 1.5	> 3.2
13.4	1.2 47.24	15.8	1.0 ~ 1.5	> 4.2

Drippers' Technical Data

Nominal Flow rate (L/H) at 1 bar	Water Passages W x D x L (mm)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
1.5	1.00 x 0.80 x 124	120 / 130	< 3.3 %	0.284	0.49
2.5	1.10 x 0.80 x 114	120 / 130	< 4.9 %	0.390	0.65



Flow rate(L/H) VS Pressure(bar)

Nominal	0.5	0.8	1.0	1.2	1.5
1.5	1.25	1.48	1.56	1.87	2.05
2.5	1.90	2.35	2.55	2.84	3.25

Maximum Lateral Length(m) within 90% uniformity on Flat Terrain

Nominal (L/H)	Inlet Pressure(bar)	Dripper Distance(cm)					
		15	20	30	40	50	100
1.5	0.7	53	67	79	90	120	176
	1.0	77	92	118	143	164	256
2.5	0.7	45	55	68	77	97	139
	1.0	58	69	89	107	123	192

Loading Quantity

Roll Length(m)	Emitter Spacing (cm)	Roll Size (cm)	20 feet (Rolls)	40 feet (Rolls)	40 HC (Rolls)
300 m	10, 15, 20	67 * 32	200	408	459
400 m	> 30	76 * 32	174	369	417



WATER LINE - M

Application

Perennial crop irrigation

Benefits

Better flexibility with flat dripper

Superior durability

Less clogging

Resistant to UV and agricultural chemicals

Low CV under 0.03



General Specification

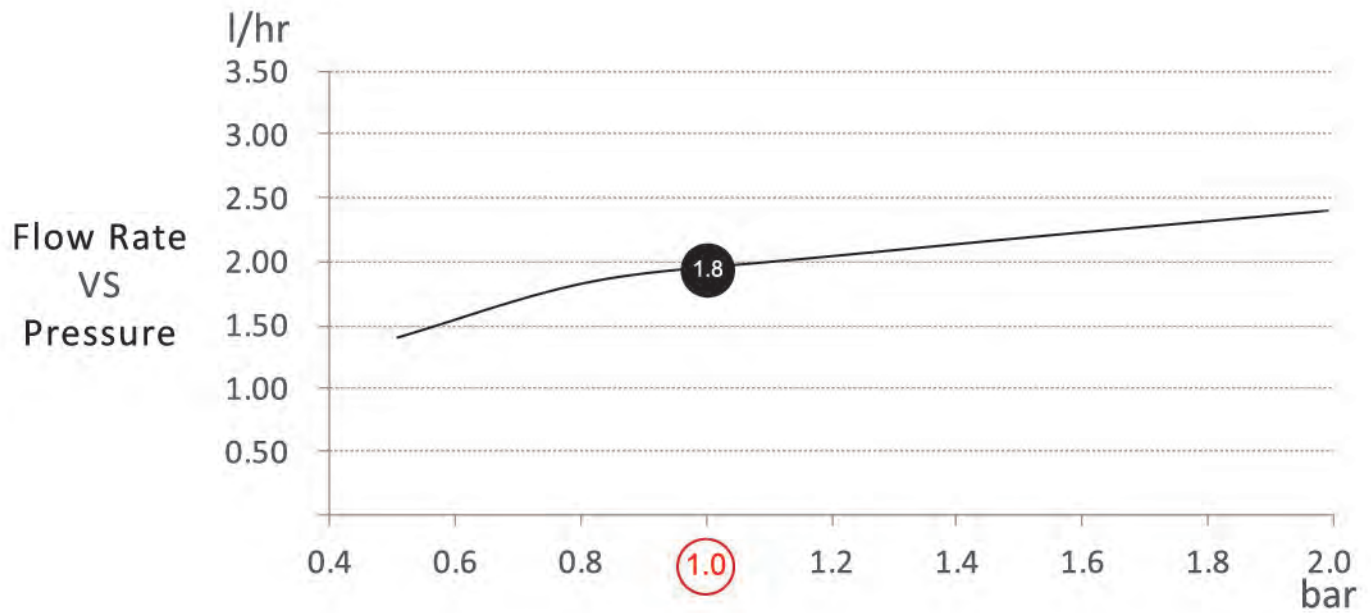
Outside Diameter	15.8 mm
Wall Thickness	0.7 mm ~ 1.0 mm(27.5 mil ~ 39 mil)
Emitter Distance	15 ~ 100 cm
Flow rate (1 bar)	1.8 L.H
Working Pressure	1.0 ~ 1.5 bar
Filtration	120 mesh
Roll Length	300 m / 400 m

Water Line - M Technical data

ID(mm)	Wall Thickness (mm) (mil)	OD(mm)	Recommended Working Pressure	Maximum Pressure
14.4	0.7 27.55	15.8	1.0 ~ 1.5	> 3.6
14.2	0.8 31.49	15.8	1.0 ~ 1.5	> 3.8
14.0	0.9 35.43	15.8	1.0 ~ 1.5	> 4.0
13.8	1.0 39.37	15.8	1.0 ~ 1.5	> 4.2

Drippers' Technical Data

Nominal Flow rate (L/H) at 1 bar	Water Passages W x D x L (mm)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
1.8	0.8 x 1.0 x 84	120 / 130	< 3.16 %	0.490	0.65



Flow rate(L/H) VS Pressure(bar)

Nominal	0.5	0.8	1.0	1.2	1.5
1.8	1.49	1.72	1.82	2.05	2.34

Maximum Lateral Length(m) within 90% uniformity on Flat Terrain

Nominal (L/H)	Inlet Pressure(bar)	Dripper Distance(cm)					
		15	20	30	40	50	100
1.8	0.7	59	72	88	100	126	181
	1.0	75	90	115	139	160	250

Loading Quantity

Roll Length(m)	Emitter Spacing (cm)	Roll Size (cm)	20 feet (Rolls)	40 feet (Rolls)	40 HC (Rolls)
300 m	10, 15, 20	67 * 32	200	408	459
400 m	> 30	76 * 32	174	369	417

PE PIPE



HD double layer pipe is ideal for main water supply pipe, thanks to high durability

Spec.	Outside Diameter (mm)	Wall Thickness (mm)	Length (m)
D16	21.7	2.3	6, 100
D20	27.3	2.8	6, 100
D25	34.3	3.3	6, 100
D30	42.4	3.8	6, 100
D40	48.4	4.3	6,50,100
D50	60.6	5.3	6,50,100
D65	76.7	6.2	6, 50
D75	90.5	7.7	6, 50

L/D pipe is soft, flexible, punched easily for connection with micro sprinkler and other irrigation systems.

D13	15.8	1.2	200
D16	21.8	1.5	200
D20	27.3	1.8	100
D25	34.4	2.2	100
D30	42.4	2.7	100

Gound heating hose is installed underground, in hotbed or hanged at side of greenhouse.
(Proper water temperature: 0 °C~ 50 °C)

D12	15.9	2.05	200
D15	19.9	2.05	200



Lay Flat Hose

Water supply and drainage hose, made of synthetic fiber and soft PVC.

Flexible and soft for easy installation.

Resistant to agri chemicals, corrosion and rough working conditions.

Nominal Inside Diameter (inch)	Inside Diameter (mm)	Wall Thickness (mm)	Working Pressure(10 °C) (kgf / cm ²)	Bursting Pressure(10 °C) (kgf / cm ²)	Roll Length (m)	100 m Roll Weight (KGs)	100 m Roll Size (D x H)(cm)
1	26.5 ± 1.0	1.1 ± 0.2	6.0	18.0	50 / 100	16	62 * 6
1½	40 ± 2.0	1.2 ± 0.2	5.0	15.0	50 / 100	19	58 * 8
2	52 ± 2.0	1.2 ± 0.2	4.5	14.0	50 / 100	25	58 * 10
2½	65 ± 2.0	1.3 ± 0.2	4.0	12.0	50 / 100	33	60 * 12
3	77 ± 2.0	1.35 ± 0.2	4.0	12.0	50 / 100	39	60 * 14
4	103 ± 2.0	1.35 ± 0.2	4.0	12.0	50 / 100	51	62 * 18
5	128 ± 2.0	1.6 ± 0.2	3.0	9.0	50 / 100	77	68 * 22
6	153 ± 2.0	1.6 ± 0.2	3.0	9.0	50 / 100	91	68 * 26

Accessories

Item code Description



LF001

End Cap 4"



LF004

Tee 4"



LF002

Screw Socket 4"



LF005

Ext. Screw Socket 4"



LF003

Socket 4"



LF006

Puncher 16mm



ODS - 300 Nutrient Supply System

General specifications

Control on up to 8 sections

EC and PH control

Various Auto Supply Options

Time table

Time intervals

Solar Radiation control -> **Optional**

Pulse flowmeter -> **Optional**
(To control supply amount per Liters)

Manual supply

Weather conditions

Supply Pump: 2HP

Electricity: 220V Single phase

Maximum Supply: 16,000 Liter per Hour

Stainless steel frame(SUS 304)

PLC control system
(Programmable Logic Controller)

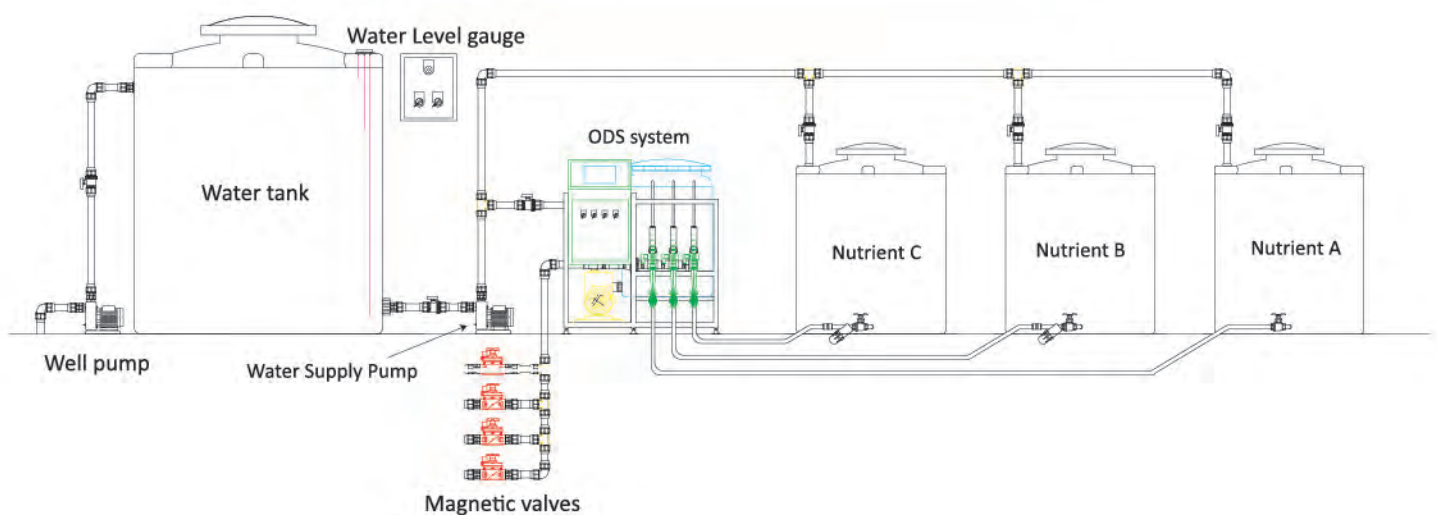
Reviewable supply data for last 15 days

Password set up

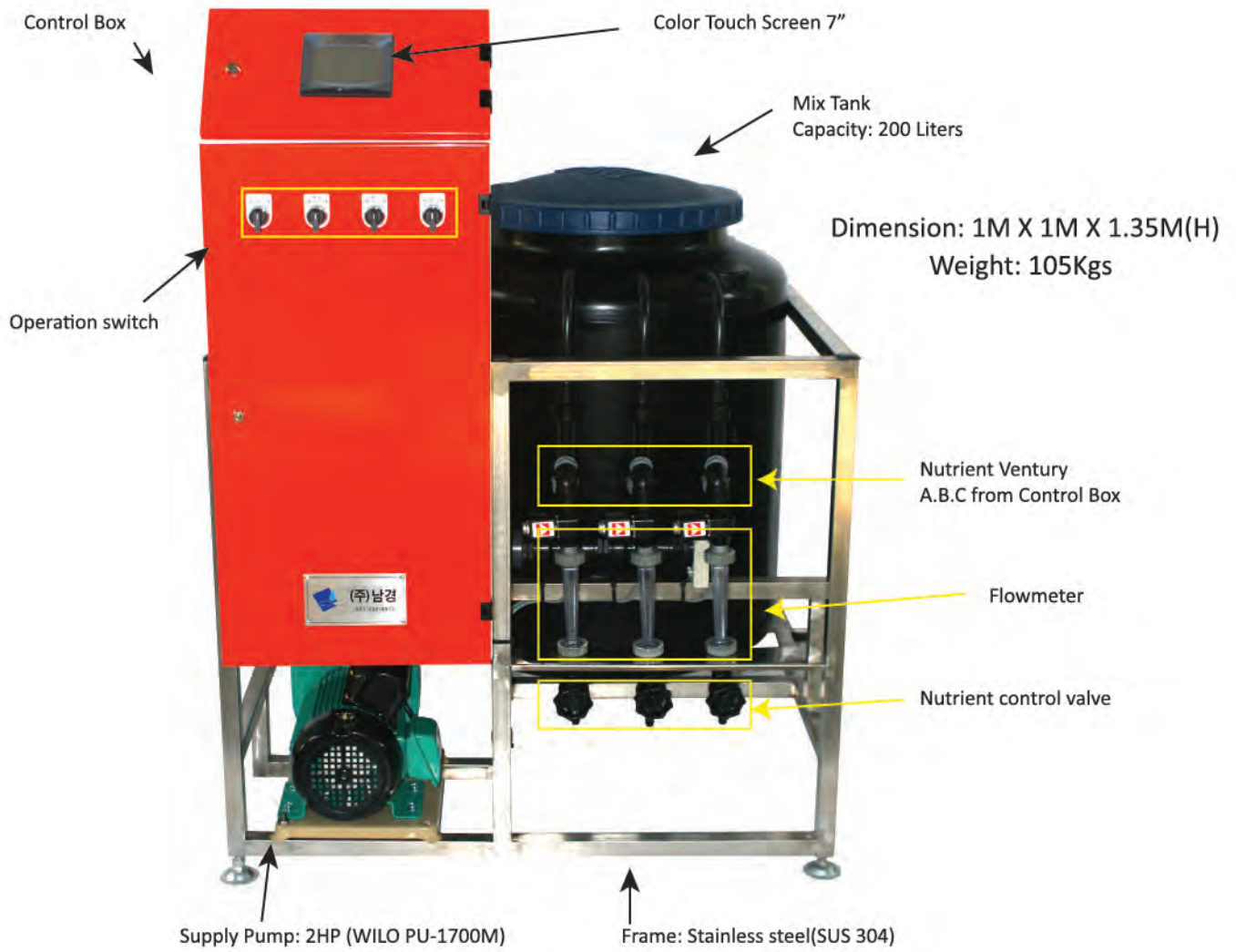
Color touch screen 7"

Monitor Protection function

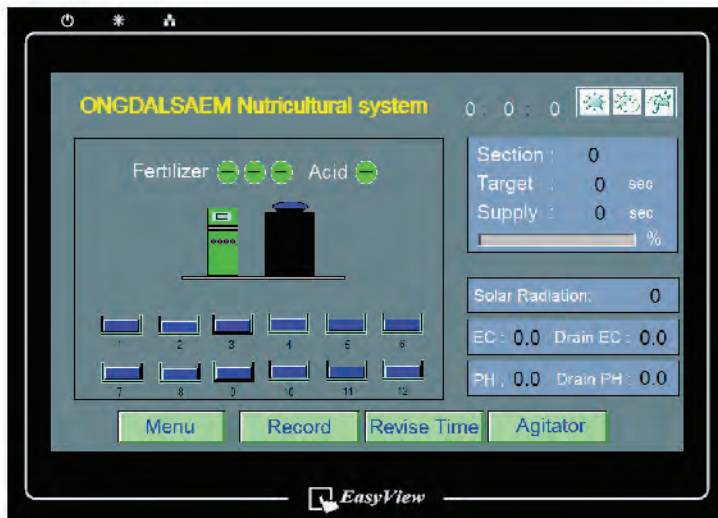
Basic Design



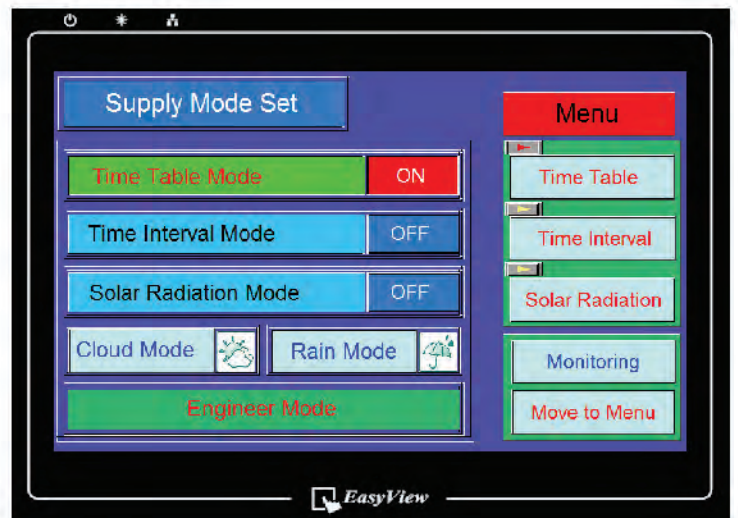
Dimension and Part name



Monitoring



Menu



ODS Models Comparison

Function	ODS 300	ODS 600	ODS 800	ODS 1000
Supply pump	2HP	Multi 3HP	Multi 3HP	Multi 3HP
Pulse flowmeter	Option	Option	Basic installation	Basic installation
Solar Sensor	Option	Option	Basic installation	Basic installation
Drainage EC/PH	N/A	Option	Basic installation	Basic installation
Supply data backup	15 days	15 days	15 days	15 days
USB backup	N/A	Option	Option	Basic installation
Touch screen	7 inch	7 inch	7 inch	7 inch
Control sections	Basic 8 sections			
Fertilizer lines	Basic 3 lines			



General specifications

Control on up to 12 sections & **3 groups control**

EC control (PH control is optional)

Various Auto Supply Options

Group supply

Time table

Time intervals

Solar Radiation control -> **Optional**

Pulse flowmeter -> **Optional**
(To control supply amount per Liters)

Manual supply

Weather conditions

Supply Pump: 2HP

Electricity: 220V Single phase

Maximum Supply: 16,000 Liter per Hour

Stainless steel frame(SUS 304)

PLC control system
(Programmable Logic Controller)

Reviewable supply data for last 15 days

Password set up

Color touch screen 4.3 inch

Monitor Protection function

*** Appearance and dimension of ODS 200 is almost same as ODS 300 model.**

Filters

Item code

Description



PF001

3/4 inch, 100 mesh , Screen, 3,000 L/H



PF002

1 inch, 120 mesh, Disc, 6,000 L/H



PF003

1 1/2 inch, 120 mesh, Disc, 15,000 L/H



PF004

2 inch, 120 mesh, Disc, 30,000 L/H



PF005

3 inch, 120 mesh, Disc, 45,000 L/H



PF006

3 inch, 120 mesh, Disc, 45,000 L/H



PF007 1 1/2 inch

PF008 2 inch

PF009 3 inch



PF011 1/4 inch



PF010 3/4 "

Drip fittings

Item code / Description



DF001 / Start Valve From Lay Flat



DF014 / Tube End



DF004 / Starter From Lay Flat



DF015 / LD Socket



DF005 / Repairing Socket



DF016 / LD Y Socket



DF006 / Repairing Socket(Ring)



DF017 / LD Elbow



DF007 / Line Valve



DF018 / LD Tee



DF008 / Integral Line Valve Stick



DF019 / Tape Tee Socket



DF009 / Stick



DF020 / Two Line Valve



DF010 / One barb start



DF011 / Two barb start



DF012 / Two - Three barb start













DF013 / Three barb start

Spray Hose fitting Item code / Description

	SF001 / Spray Start Valve from L.Flat		SF006 / 1 inch Ext. Screw Start Valve
	SF002 / Connector for Spray Hose		SF007 / 2 inch Tee Start valve from Canvas Hose SF008 / 3 inch
	SF003 / End Pin		SF009 / Connector with 1 inch Screw
	SF004 / 1 inch Ext. Screw Start Valve		SF010 / Pipe Link
	SF005 / 1 inch Int. Screw Start Valve		

Nutriculture Parts Item code / Description

	NP001 / PC dripper 2 L/H		NP006 / Drop Spike
	NP002 / PC dripper 4 L/H		NP007 / Angle Arrow Drip
	NP003 / PC dripper 8 L/H		NP008 / Arrow Drip
	NP004 / PC dripper 2.2 L/H (Israel)		NP009 / Many hold for NP005
	NP005 / PC dripper 8 L/H (Israel)		NP010 / Many hold for NP003

Mini Sprinklers

Item code / Description



MS001 / SS type Mini Sprinkler
(Flow rate: 40,70,100,120,150,190,210 L/H)



MS012 / Nipple Barbed
(Size: 3*5, 4*7, 5*8)



MS002 / UD type Mini Sprinkler
(Flow rate: 40,70,100,120,150,190,210 L/H)



MS013 / End Plug



MS003 / Mist
(Flow rate: 40,70,100,120,150,190,210 L/H)



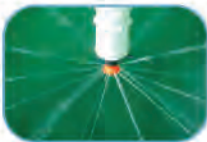
MS014 / Nipple Screwed
(Size: 3*5, 4*7, 5*8)



MS004 / Water Screen
(Flow rate: 40,70,100,120,150,190,210 L/H)



MS016 -B / Pendulum Black
MS016-W / Pendulum White



MS005 / Neo
(Flow rate: 20 L/H)



MS017-35 / 3*5 PVC tube (200m)
MS017-47 / 4*7 PVC tube (200m)
MS017-58 / 5*8 PVC tube (200m)



MS006 / Aqua Jet
(Flow rate: 40 L/H)



MS018 / Drop Guard



MS007 / New Aqua Jet
(Flow rate: 60 L/H)



MS008 / Octa
(Flow rate: 0 ~ 60 L/H)



MS009 / Stream



MS010 / Butterfly Screw



MS011 / Butterfly Barbed

Threaded Fitting Item code / Description



TF001 / Bushing



TF007 / Reducing Ext. Screw Socket



TF002 / Internal Screw Socket



TF008 / Long Ext. Screw Socket



TF003 / Internal Screw Elbow



TF009 / Safe Fitting



TF004 / Internal Screw Tee



TF010 / Union



TF005 / External Screw Socket



TF011 / End Cap



TF006 / Reducing Int. Screw Socket

Ball Valve Item code / Description



BV001 / PVC Int. Screw Valve



BV005 / Single Int. Screw Valve



BV002 / Int. Ext. Screw Valve



BV006 / Union Valve



BV003 / Brass Ball Valve



BV007 / Int. Ext. Screw Valve



BV004 / Single Ext. Screw Valve

Compression Fitting Item code / Description



KF001 / Single Ext. Screw Socket



KR008 / 45 Elbow Socket



KF002 / Socket



KF009 / Reducing Socket



KF003 / Single Int. Screw Socket



KF010 / Reducing Tee



KF004 / Ext. Screw Elbow Socket



KF011 / Reducing Tee Body



KF005 / Int. Screw Elbow Socket



KF012 / Tee



KF006 / End Plug



KF013 / Tee Body



KF007 / Elbow Socket



KF014 / Bronze Ext. Screw Socket



KF015 / Wrench

Saddle Item code / Description



SD001 / Two barbed Saddle



SD003 / Screw Saddle









SD002 / Barbed Saddle



SD004 / Int. Screw Bronze Saddle
SD005 / Ext. Screw Bronze Saddle

Other accessories Item code / Description

	OP001-35 / Tie 35cm OP001-23 / Tie 23cm		OP008 / Pipe Hanger
	OP002-B / Mulching Pin(10.5 x 16.5cm) OP002-S / Mulching Pin(4.5 x 16.5cm)		OP009 / Pipe Wire Hanger
	OP003 / Y Shape support		OP010 / Cross Pipe Hanger
	OP004 / Top Shape support		OP011 / Induction Loop
	OP005 / Teflon Tape		OP012-12 / Stem Pincers 12mm OP012-15 / Stem Pincers 15mm OP012-20 / Stem Pincers 20mm
	OP006 / LD punching Drill		Electronic Valves
	OP007 / Punching Grip		

Sprinklers Item code / Description

	SP001 / Metal Sprinkler 21 (25 ~ 27m, 2 ~ 3 bar)	Set 1	Set 2	Set 3	Set 4	Set 5
	SP002 / Plastic Sprinkler (12 ~ 15m, 1.5 ~ 2 bar)					



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