

NETAKIT

PRODUCT CATALOG

2014



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NETAKIT™

Netafim™, the pioneer and global leader of drip- and micro-irrigation, understands the growing complexity of the micro-irrigation industry. On the one hand, growers need more and more solutions to meet their diverse applications, crop types and plot sizes. On the other hand, they are finding it difficult to navigate through the seemingly endless list of available choices and suppliers.

COVERING ALL IRRIGATION BASES

Recognizing these rapidly-evolving industry changes, Netafim offers NetaKit. A comprehensive, all-in-one irrigation solution for growers of all sizes, NetaKit is redefining irrigation-system acquisition. Bringing several Netafim systems under one umbrella, NetaKit simplifies the search, purchase and installation process for growers, providing them with a user-friendly, cost-efficient single-vendor offering that meets their unique requirements.

COMPACT, ALL-IN-ONE PACKAGING

Each NetaKit system comes in a single, compact package that includes all of the “hardware” needed to get things up and running – valves, filters, connectors, dripperlines/sprinklers, distribution pipes and accessories. Equipped with a detailed yet user-friendly instruction manual along with system-specific irrigation information, NetaKit ensures easy, rapid and efficient installation.

Working across a range of low and high pressures, NetaKit systems utilize diverse energy sources, including solar/diesel, electrical pump and gravity, to keep energy costs down. Part of Netafim’s market-leading line of drip- and micro-irrigation solutions, NetaKit also increases water savings while promoting sustainable productivity.

HIGHLIGHTS

- Comprehensive offering
- Efficient, compact packaging
- All-in-one system “hardware”
- Easy-to-install units
- Low-cost energy sources
- Low-risk, field-proven systems
- Multi-application, -crop, -size plot coverage

BENEFITS

- Higher quality yields
- Greater water savings
- Lower energy costs
- Increased cost efficiency

NETAKIT SYSTEMS

Designed to address the varied needs of Netafim customers identified over time, NetaKit comprises several systems covering different parts of the irrigation process across myriad applications, crops and plot sizes:

DripK	Drip irrigation system for open-field vegetable/row-crop plots and orchards ranging from 250 m ² to 10000 m ² (1.0 ha)
SprinkK	Sprinkler system for open-field vegetable/row-crop plots of up to 1.0 ha
HeadK	Complete head control system for drip, sprinkler/micro-sprinkler and other irrigation systems for open-field, orchard and greenhouse crops
NutriK	Complete Nutrigation™ systems for open-field and orchard crops
CoolK	Complete misting cooling system



FDS 250

DRIP IRRIGATION SYSTEM PER 250 M²

APPLICATIONS

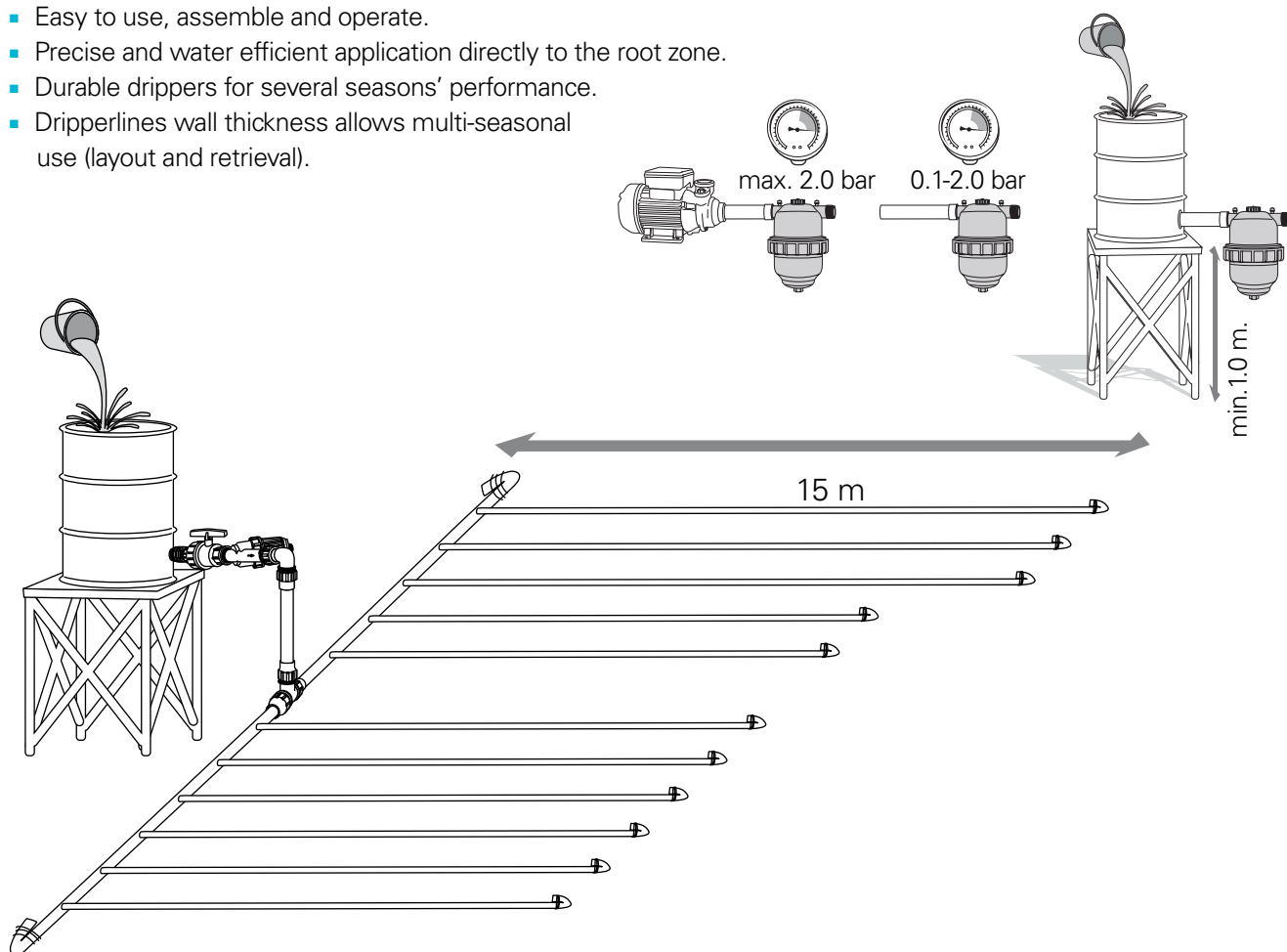
Irrigation of all vegetable types or row crops grown on 250 m².

SPECIFICATIONS

- Designed for irrigation of 250 m² with 1.0 m dripperlines spacing.
- Working pressure range: 0.1 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.1 bar).

FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).



LOGISTIC DATA

- Catalog number: 42000-003100
- Box packaging size: 0.52 x 0.52 x 0.25 meter
- Average box weight: 9.7 Kg
- Pallet packaging size: 1.14 x 1.14 x 2.17 meter
- Average pallet weight: 323 Kg
- Number of irrigation kits per pallet: 32 kits
- Number of irrigation kits per 40 ft container: 640 kits

SYSTEM COMPONENTS

FDS 250	42000-003100
COMPONENTS	UNITS
PE IRRIGATION PIPE 25/4 25 M FDS	1
MICRODRIP 8 2.00 L/H 0.30 M 250 M	1
TANK OUTLET 1" BUTZI PP	1
PLASTIC FEMALE COUPLER 1"	1
SCREEN FILTER 1"M*1"M 120 MESH	1
PLASTIC BALL VALVE 1"F*1"F	1
NUT LOCK ELBOW 25 MM*1"F	1
NUT LOCK TEE 25 MM*25 MM*25 MM	1
ELBOW 25 MM*25 MM	1
25 MM END LINE	2
NARROW TEFLON	1
MINI PUNCH 3.5	1
BARB-F CON. BROWN	20
BARB-M CON. BROWN F/MICRO TUBE 8 MM	20
BARB COUPLING BROWN CON. 8 MM	5
MALE PLUG	5
MICRODRIP END LINE	20

FDS CONNECTORS BAG (SPARE PARTS)	42000-003500
COMPONENTS	UNITS
BARB-F CON. BROWN	20
BARB-M CON. BROWN F/MICRO TUBE 8 MM	20
BARB COUPLING BROWN CON. 8 MM	5
MALE PLUG	5

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.65	0.91	1.28	1.56	1.79	2.00	2.19	2.36	2.52	2.67	2.81
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	2.16	3.03	4.25	5.19	5.97	6.66	7.29	7.86	8.39	8.89	9.36

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 250 M DRIPPERLINE WILL BE USED	0.54	0.76	1.06	1.30	1.49	1.67	1.82	1.96	2.10	2.22	2.34



FDS 500

DRIP IRRIGATION SYSTEM PER 500 M²

APPLICATIONS

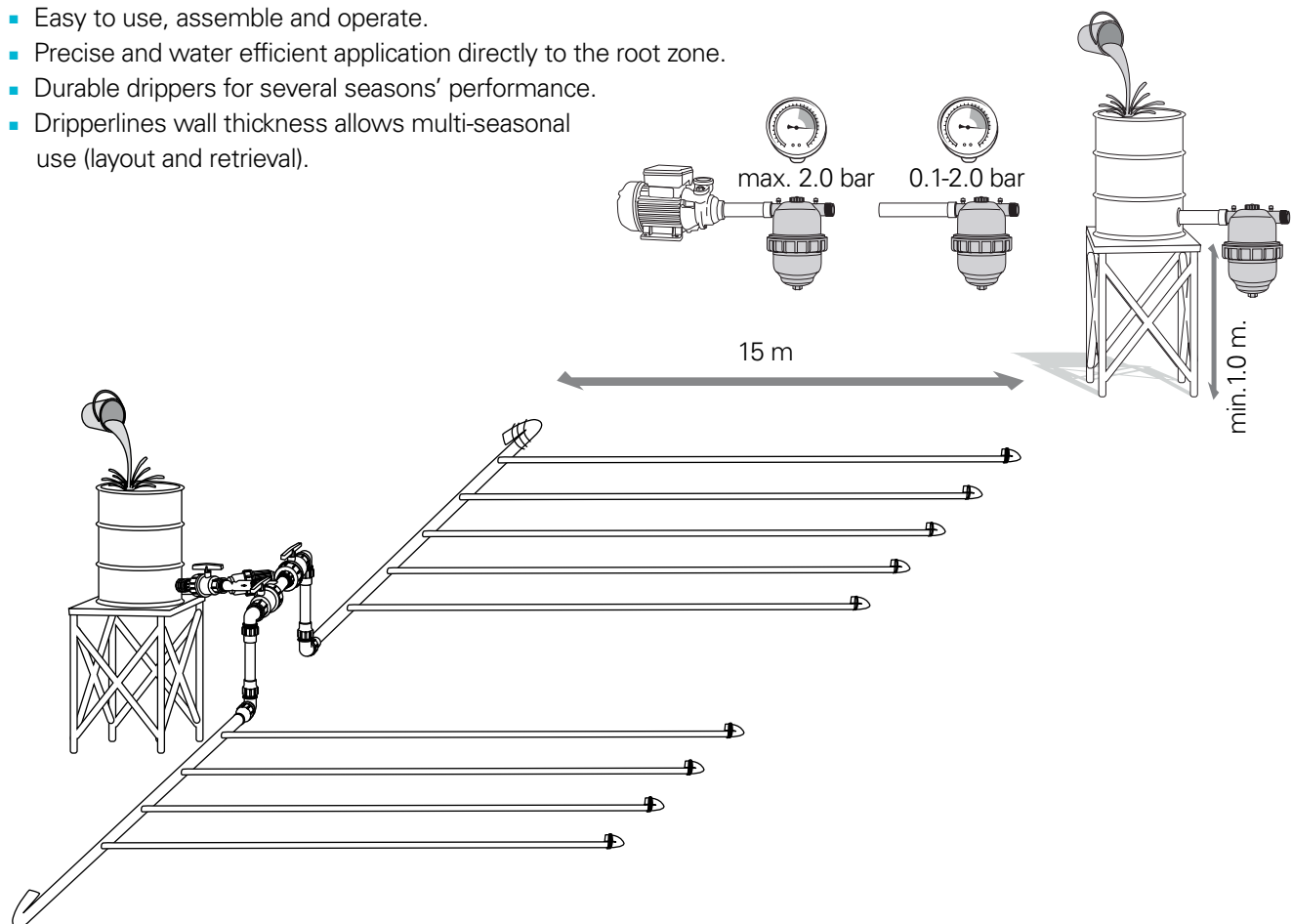
Irrigation of all vegetable types or row crops grown on 500 m².

SPECIFICATIONS

- Designed for irrigation of 500 m² with 1.0 m dripperlines spacing.
- Working pressure range: 0.1 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.1 bar).

FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).



LOGISTIC DATA

- Catalog number: 42000-001200
- Box packaging size: 0.54 x 0.54 x 0.46 meter
- Average box weight: 19.4 Kg
- Pallet packaging size: 1.14 x 1.14 x 2.10 meter
- Average pallet weight: 323 Kg
- Number of irrigation kits per pallet: 16 kits
- Number of irrigation kits per 40 ft container: 320 kits

SYSTEM COMPONENTS

FDS 500	42000-001200
COMPONENTS	UNITS
PE IRRIGATION PIPE 25/4 25 M FDS	2
MICRODRIP 8 2.00 L/H 0.30 M 250 M	2
TANK OUTLET 1" BUTZI PP	1
PLASTIC FEMALE COUPLER 1"	1
SCREEN FILTER 1"M*1"M 120 MESH	1
TEE SWIVEL 1"M*1"F*1"M	1
PLASTIC BALL VALVE 1"F*1"F	3
NUT LOCK ELBOW 25 MM*1"M MALE	2
NUT LOCK ELBOW 25 MM*25 MM	2
25 MM END LINE	2
NARROW TEFLON	1
MINI PUNCH 3.5	1
BARB-F CON. BROWN	40
BARB-M CON. BROWN F/MICRO TUBE 8 MM	40
BARB COUPLING BROWN CON. 8 MM	10
MIC MALE PLUG	10
MICRODRIP END LINE	40

FDS CONNECTORS BAG (SPARE PARTS)	42000-003500
COMPONENTS	UNITS
BARB-F CON. BROWN	20
BARB-M CON. BROWN F/MICRO TUBE 8 MM	20
BARB COUPLING BROWN CON. 8 MM	5
MALE PLUG	5

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.65	0.91	1.28	1.56	1.79	2.00	2.19	2.36	2.52	2.67	2.81
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	2.16	3.03	4.25	5.19	5.97	6.66	7.29	7.86	8.39	8.89	9.36

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 500 M DRIPPERLINE WILL BE USED	1.08	1.51	2.13	2.59	2.99	3.33	3.64	3.93	4.20	4.44	4.68
FLOW RATE 1/2 AREA (M ³ /H) WHEN 250 M DRIPPERLINE WILL BE USED	0.54	0.76	1.06	1.30	1.49	1.67	1.82	1.96	2.10	2.22	2.34



FDS 1000

DRIP IRRIGATION SYSTEM PER 1000 M²

APPLICATIONS

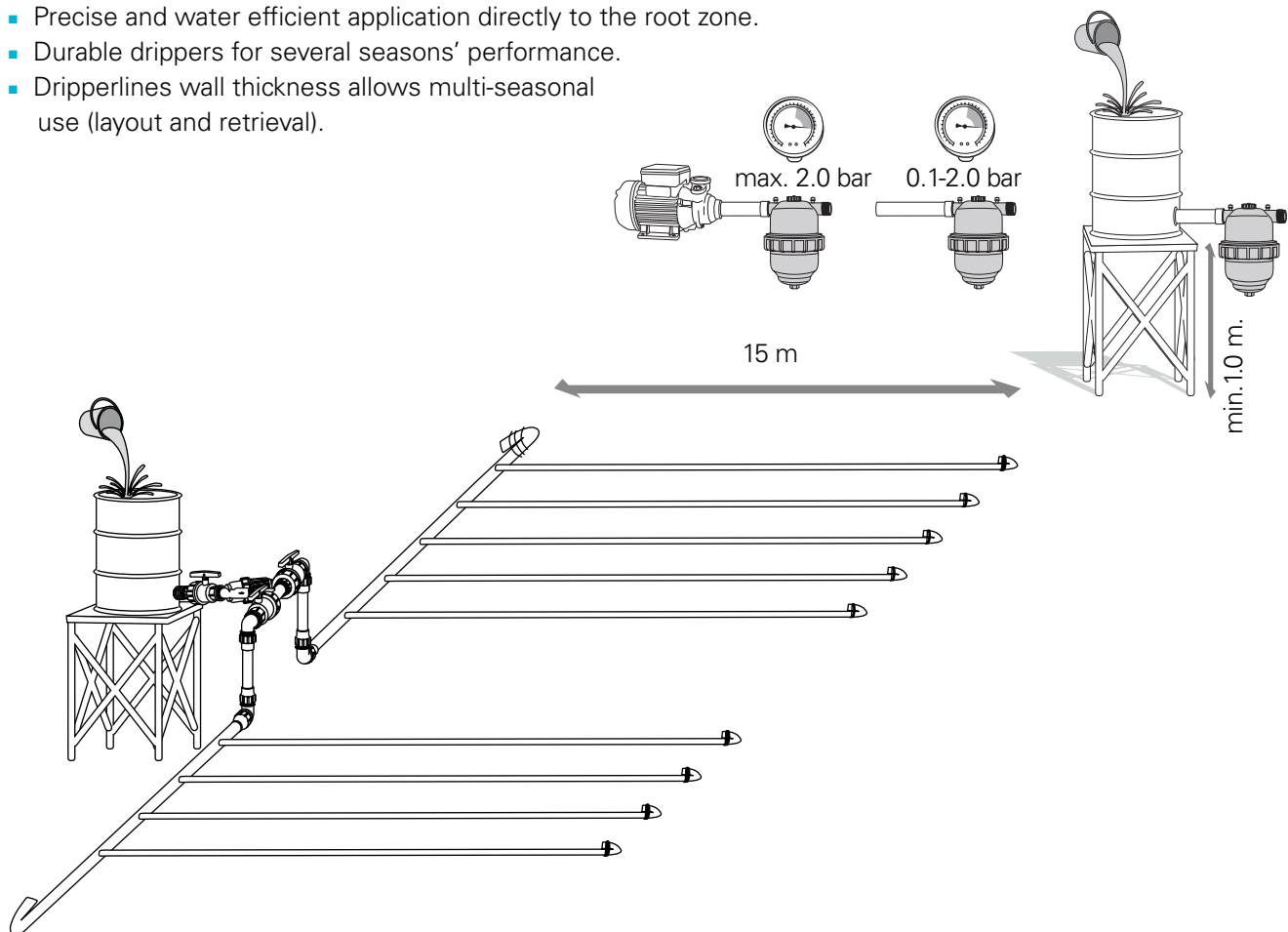
Irrigation of all vegetable types or row crops grown on 1000 m².

SPECIFICATIONS

- Designed for irrigation of 1000 m² with 1.0 m dripperlines spacing.
- Working pressure range: 0.1 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.1 bar).

FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).



LOGISTIC DATA

- Catalog number: 42000-001250
- Box packaging size: 0.59 x 0.56 x 1.12 meter
- Average box weight: 32.0 Kg
- Pallet packaging size: 1.14 x 1.14 x 1.20 meter
- Average pallet weight: 141 Kg
- Number of irrigation kits per pallet: 4 kits
- Number of irrigation kits per 40 ft container: 160 kits

SYSTEM COMPONENTS

FDS 1000	42000-001250
COMPONENTS	UNITS
PE IRRIGATION PIPE 25/4 25 M FDS	3
MICRODRIP 8 2.00 L/H 0.30 M 250 M	4
TANK OUTLET 1" BUTZI PP	1
PLASTIC FEMALE COUPLER 1"	1
SCREEN FILTER 1"M*1"M 120 MESH	1
TEE SWIVEL 1"M*1"F*1"M	1
PLASTIC BALL VALVE 1"F*1"F	3
NUT LOCK ELBOW 25 MM*1"M MALE	2
NUT LOCK ELBOW 25 MM*25 MM	2
25 MM END LINE	2
NARROW TEFLON	1
MINI PUNCH 3.5	1
COUPLING 25 MM*25 MM	2
BARB-F CON. BROWN	80
BARB-M CON. BROWN F/MICRO TUBE 8 MM	80
BARB COUPLING BROWN CON. 8 MM	20
MIC MALE PLUG	20
MICRODRIP END LINE	80

FDS CONNECTORS BAG (SPARE PARTS)	42000-003500
COMPONENTS	UNITS
BARB-F CON. BROWN	20
BARB-M CON. BROWN F/MICRO TUBE 8 MM	20
BARB COUPLING BROWN CON. 8 MM	5
MALE PLUG	5

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.65	0.91	1.28	1.56	1.79	2.00	2.19	2.36	2.52	2.67	2.81
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	2.16	3.03	4.25	5.19	5.97	6.66	7.29	7.86	8.39	8.89	9.36

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 1000 M DRIPPERLINE WILL BE USED	2.16	3.03	4.25	5.19	5.97	6.66	7.29	7.86	8.39	8.89	9.36
FLOW RATE 1/2 AREA (M ³ /H) WHEN 500 M DRIPPERLINE WILL BE USED	1.08	1.51	2.13	2.59	2.99	3.33	3.64	3.93	4.20	4.44	4.68



DRIPK 250

DRIP IRRIGATION SYSTEM

APPLICATIONS

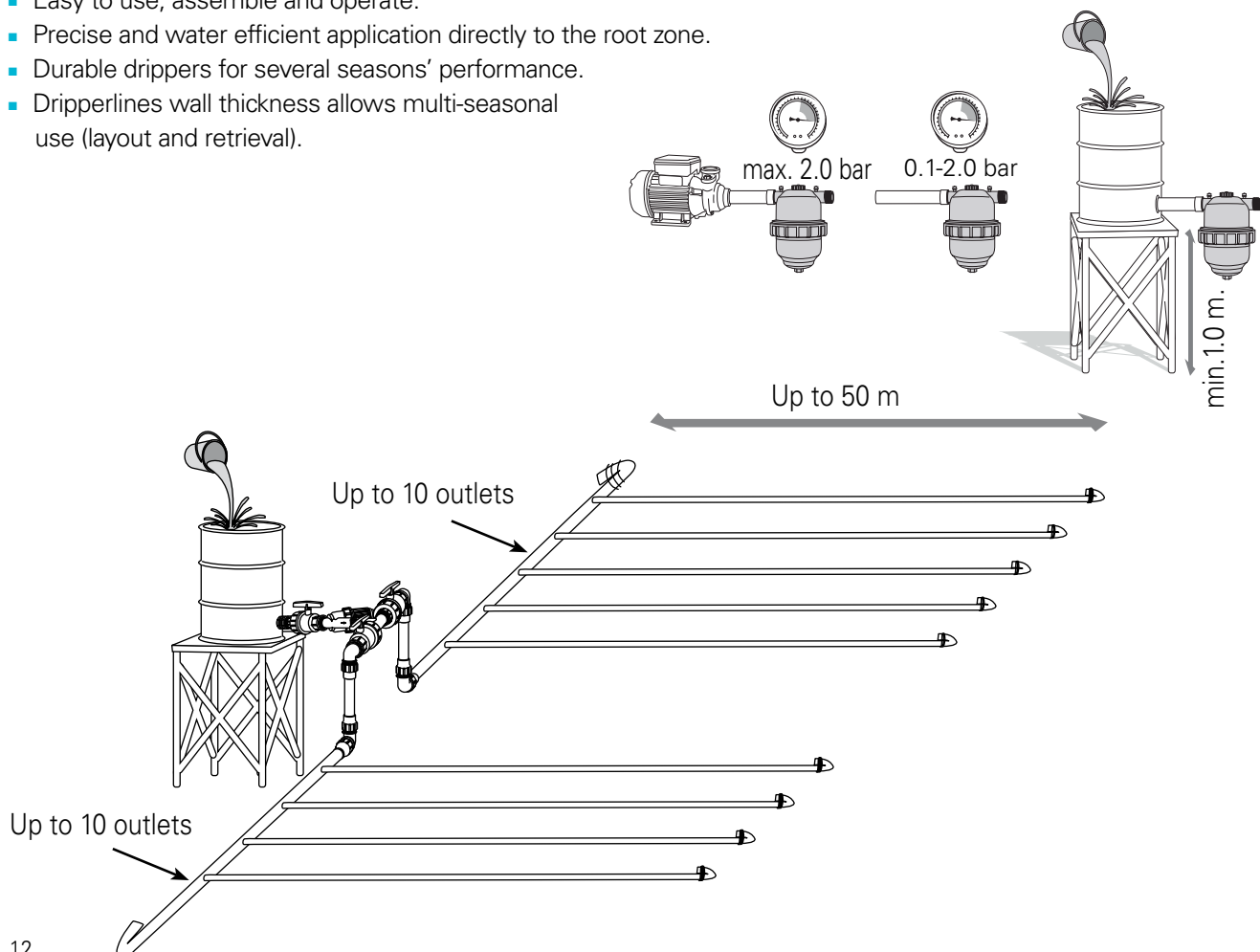
Irrigation of all vegetable types or row crops.

SPECIFICATIONS

- Working pressure range: 0.1 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.1 bar).
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- Distance between laterals according to crop needs.

FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).



LOGISTIC DATA

- Catalog number: 42000-014500
- Box packaging size: 0.52 x 0.52 x 0.25 meter
- Average box weight: 8.5 Kg
- Pallet packaging size: 1.14 x 1.14 x 2.17 meter
- Average pallet weight: 285 Kg
- Number of irrigation kits per pallet: 32 kits
- Number of irrigation kits per 40 ft container: 640 kits

SYSTEM COMPONENTS

DRIPK 250	42000-014500
COMPONENTS	UNITS
PE IRRIGATION PIPE 25/4 25 M FDS	1
S. TYPHOON 12125 1.60 L/H 0.30 M 250 M	1
TANK OUTLET 1" BUTZI PP	1
PLASTIC BALL VALVE 1"F*1"F	3
SCREEN FILTER 1"M*1"M 120 MESH	1
NUT LOCK ELBOW 25 MM*1"F	1
TEE 1"M * 1" SWIVEL F * 1"M	1
NUT LOCK MALE THREAD 1"M*25 MM	3
25 MM END LINE	2
NARROW TEFLON	1
PUNCH 8 MM PLASTIC W/INSERTER ADAPTOR	1
PE START CONN. RING 12 W/RING	20
RING COUPLING 12 MM W RINGS	20
RING END LINE 12 W/RING	20

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.74	1.03	1.25	1.44	1.60	1.74	1.88	2.00	2.12	2.23
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	1.76	2.46	3.43	4.17	4.78	5.33	5.81	6.26	6.67	7.06	7.43

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 250 M DRIPPERLINE WILL BE USED	0.44	0.61	0.86	1.04	1.20	1.33	1.45	1.56	1.67	1.77	1.86
FLOW RATE 1/2 AREA (M ³ /H) WHEN 125 M DRIPPERLINE WILL BE USED	0.22	0.31	0.43	0.52	0.60	0.67	0.73	0.78	0.83	0.88	0.93



DRIPK 500

DRIP IRRIGATION SYSTEM

APPLICATIONS

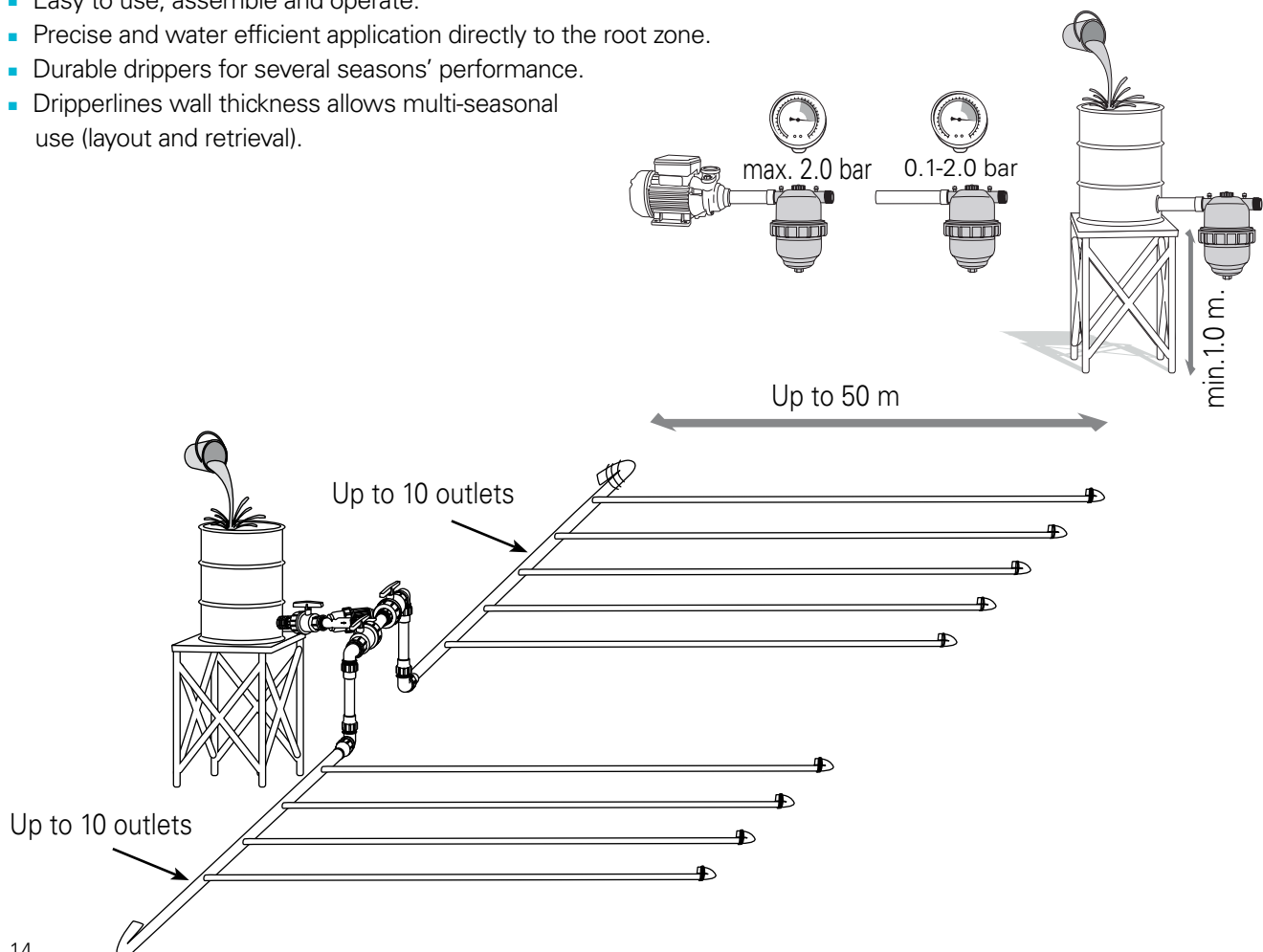
Irrigation of all vegetable types or row crops.

SPECIFICATIONS

- Working pressure range: 0.1 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.1 bar).
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- Distance between laterals according to crop needs.

FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripplines wall thickness allows multi-seasonal use (layout and retrieval).



LOGISTIC DATA

- Catalog number: 42000-015520
- Box packaging size: 0.52 x 0.52 x 0.25 meter
- Average box weight: 12.5 Kg
- Pallet packaging size: 1.14 x 1.14 x 2.17 meter
- Average pallet weight: 413 Kg
- Number of irrigation kits per pallet: 32 kits
- Number of irrigation kits per 40 ft container: 640 kits

SYSTEM COMPONENTS

DRIPK 500	42000-015520
COMPONENTS	UNITS
PE IRRIGATION PIPE 25/4 25 M FDS	1
S. TYPHOON 12125 1.60 L/H 0.30 M 250 M	2
TANK OUTLET 1" BUTZI PP	1
PLASTIC BALL VALVE 1"F*1"F	3
SCREEN FILTER 1"M*1"M 120 MESH	1
NUT LOCK ELBOW 25 MM*1"F	1
TEE 1"M * 1"SWIVEL F * 1"M	1
NUT LOCK MALE THREAD 1"M*25 MM	3
25 MM END LINE	2
NARROW TEFLON	1
PUNCH 8 MM PLASTIC W/INSERTER ADAPTOR	1
PE START CONN. RING 12 W/RING	20
RING COUPLING 12 MM W RING	20
RING END LINE 12 W/RING	20

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.74	1.03	1.25	1.44	1.60	1.74	1.88	2.00	2.12	2.23
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	1.76	2.46	3.43	4.17	4.78	5.33	5.81	6.26	6.67	7.06	7.43

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 500 M DRIPPERLINE WILL BE USED	0.88	1.23	1.72	2.08	2.39	2.66	2.91	3.13	3.34	3.53	3.71
FLOW RATE 1/2 AREA (M ³ /H) WHEN 250 M DRIPPERLINE WILL BE USED	0.44	0.61	0.86	1.04	1.20	1.33	1.45	1.56	1.67	1.77	1.86



DRIPK 1000

DRIP IRRIGATION SYSTEM

APPLICATIONS

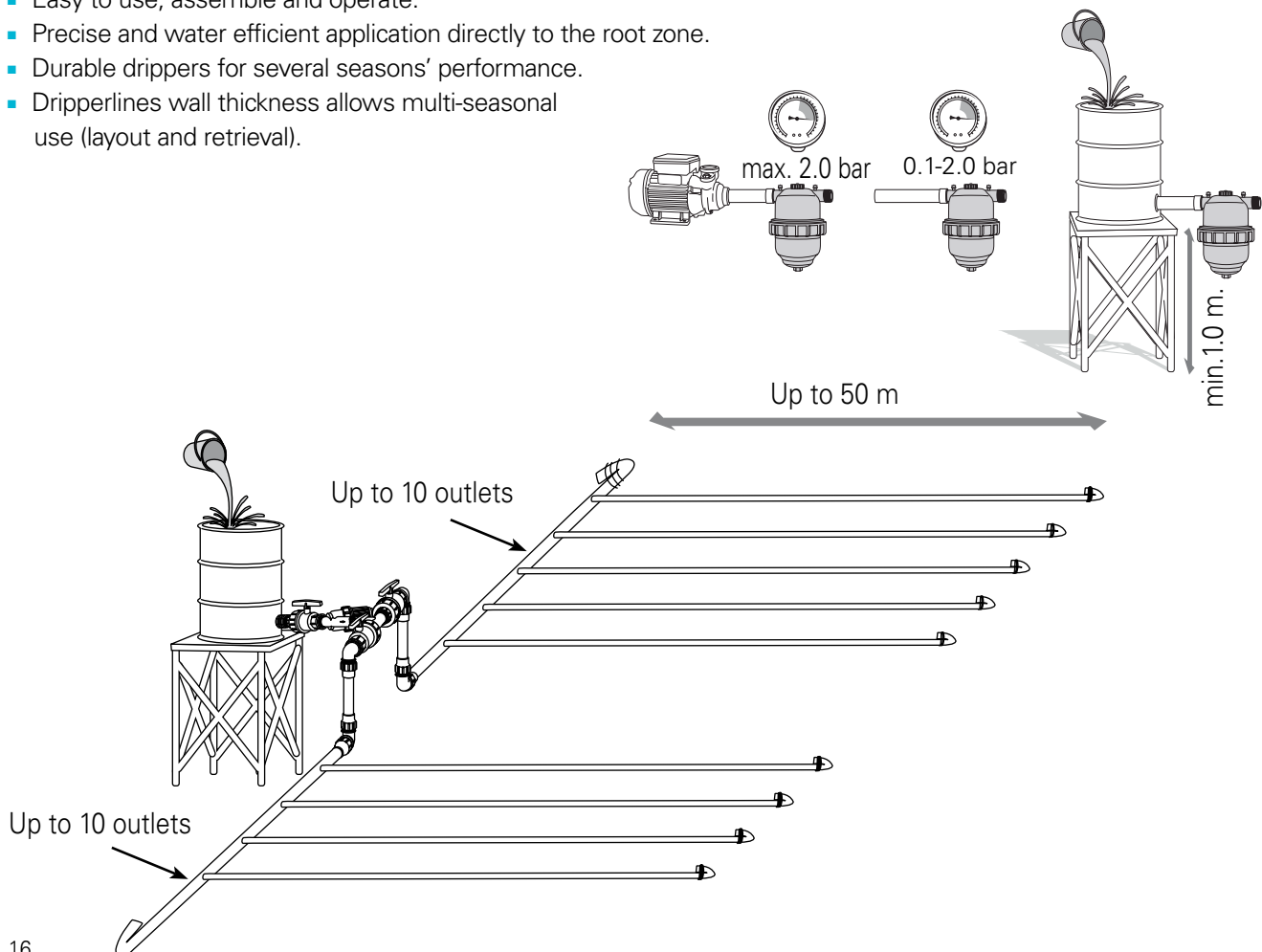
Irrigation of all vegetable types or row crops.

SPECIFICATIONS

- Working pressure range: 0.1 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.1 bar).
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- Distance between laterals according to crop needs.

FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripplines wall thickness allows multi-seasonal use (layout and retrieval).



LOGISTIC DATA

- Catalog number: 42000-017000
- Box packaging size: 0.54 x 0.54 x 0.46 meter
- Average box weight: 16.0 Kg
- Pallet packaging size: 1.14 x 1.14 x 1.20 meter
- Average pallet weight: 269 Kg
- Number of irrigation kits per pallet: 16 kits
- Number of irrigation kits per 40 ft container: 320 kits

SYSTEM COMPONENTS

DRIPK 1000	42000-017000
COMPONENTS	UNITS
PE IRRIGATION PIPE 25/4 25 M FDS	1
S. TYPHOON 12125 1.60 L/H 0.30 M 250 M	4
TANK OUTLET 1" BUTZI PP	1
PLASTIC BALL VALVE 1"F*1"F	3
SCREEN FILTER 1"M*1"M 120 MESH	1
NUT LOCK ELBOW 25 MM*1"F	1
TEE 1"M * 1"SWIVEL F * 1"M	1
NUT LOCK MALE THREAD 1"M*25 MM	3
25 MM END LINE	2
NARROW TEFLON	1
PUNCH 8 MM PLASTIC W/INSERTER ADAPTOR	1
PE START CONN. RING 12 W/RING	20
RING COUPLING 12 MM W RINGS	20
RING END LINE 12 W/RING	20

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.74	1.03	1.25	1.44	1.60	1.74	1.88	2.00	2.12	2.23
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	1.76	2.46	3.43	4.17	4.78	5.33	5.81	6.26	6.67	7.06	7.43

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 1000 M DRIPPERLINE WILL BE USED	1.76	2.46	3.43	4.17	4.78	5.33	5.81	6.26	6.67	7.06	7.43
FLOW RATE 1/2 AREA (M ³ /H) WHEN 500 M DRIPPERLINE WILL BE USED	0.88	1.23	1.72	2.08	2.39	2.66	2.91	3.13	3.34	3.53	3.71

DRIPK 1608

DRIP IRRIGATION SYSTEM UP TO 1600 M²

APPLICATIONS

Irrigation of all vegetable types or row crops grown up to 1600 m².

SPECIFICATIONS

- Designed for irrigation up to 1600 m² with 0.8 m dripperlines spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

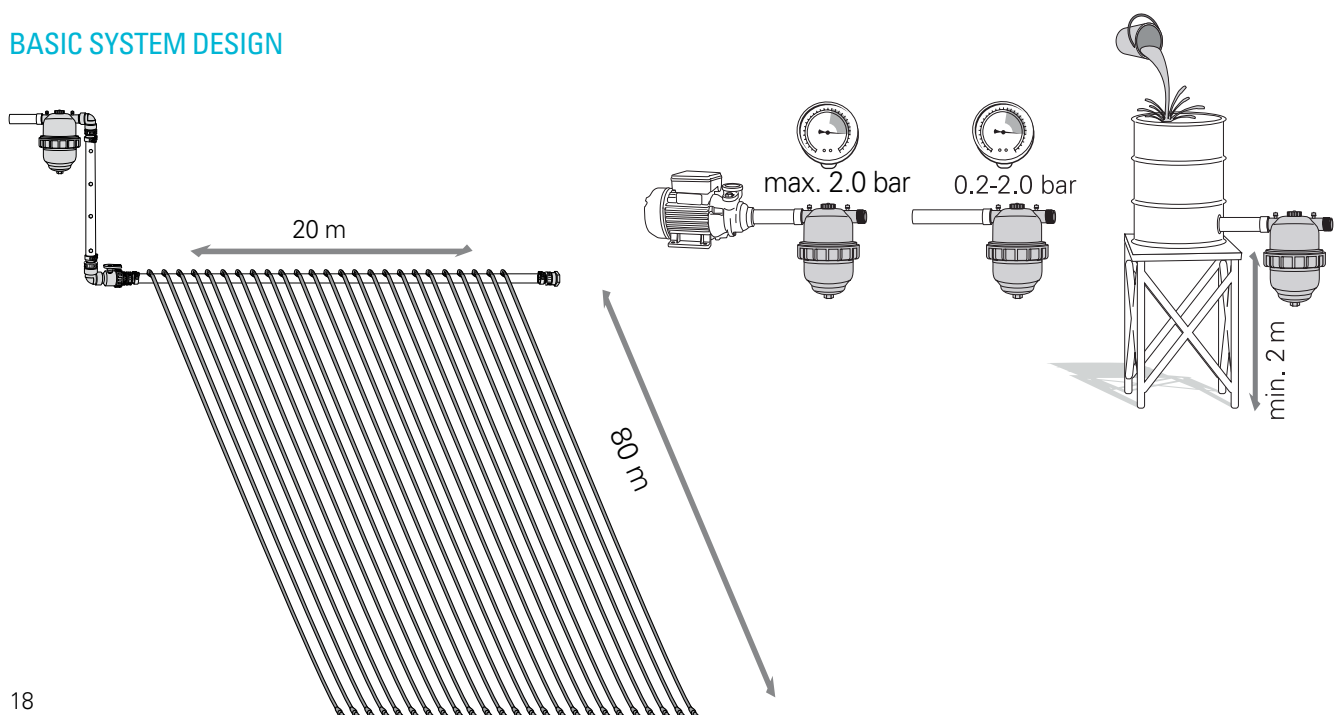
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number: 42000-015400
- Packaging size of each kit: 0.58 x 0.61 x 0.79 meter
- Number of irrigation kits per 40 ft container: 160 systems
- Pallet packaging size, 8 kits on one pallet : 1.14 x 1.14 x 1.69 meter
- Average pallet weight: 52.5 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 1608	42000-015400	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 12125 1.10 L/H 0.30 M 2000 M Catalog number as a spare part: 15400-004050	1	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	1	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PLASTIC FEMALE COUPLER 2" Catalog number as spare part: 78220-001400	1	
2" T TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	1	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	4	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	1	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	30	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part: 32500-003350	30	
RING END LINE 12 W/RING Catalog number as spare part: 32500-003560	30	
RING COUPLING 12 MM W RINGS Catalog number as spare part: 32500-002471	20	
NARROW TEFLON Catalog number as a spare part: 45000-003400	4	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 0.8 M	2.22	3.03	3.64	4.14	4.58	4.97	5.33	5.66	5.97	6.26

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 2000 M DRIPPERLINE WILL BE USED	3.55	4.85	5.82	6.63	7.33	7.95	8.53	9.05	9.55	10.01

DRIPK 3216

DRIP IRRIGATION SYSTEM UP TO 3200 M²

APPLICATIONS

Irrigation of all vegetable types or row crops grown up to 3200 m².

SPECIFICATIONS

- Designed for irrigation up to 3200 m² with 1.6 m dripperlines spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

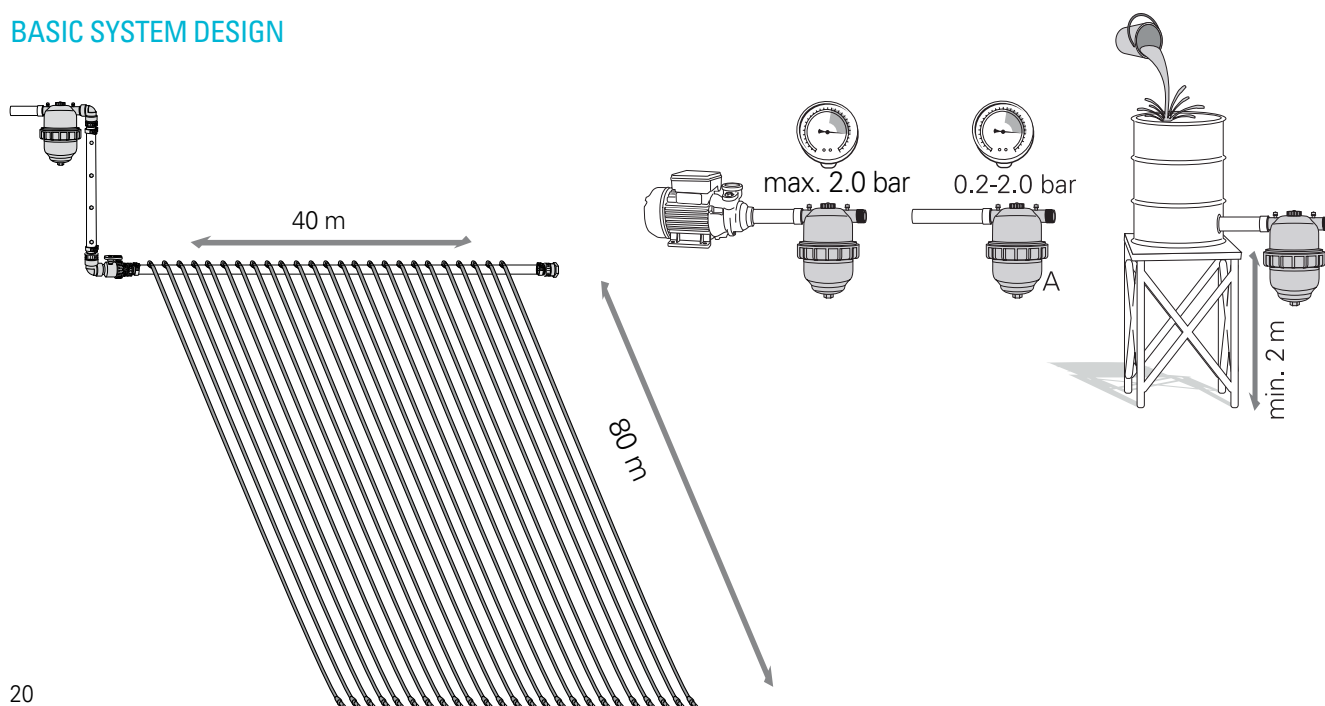
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number: 42000-015400
- Packaging size of each kit: 0.58 x 0.61 x 0.79 meter
- Number of irrigation kits per 40 ft container: 160 systems
- Pallet packaging size, 8 kits on one pallet : 1.14 x 1.14 x 1.69 meter
- Average pallet weight: 52.5 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 1608	42000-015400	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 12125 1.10 L/H 0.30 M 2000 M Catalog number as a spare part: 15400-004050	1	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	1	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PLASTIC FEMALE COUPLER 2" Catalog number as spare part: 78220-001400	1	
2" T TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	1	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	4	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	1	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	30	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part: 32500-003350	30	
RING END LINE 12 W/RING Catalog number as spare part: 32500-003560	30	
RING COUPLING 12 MM W RINGS Catalog number as spare part: 32500-002471	20	
NARROW TEFLON Catalog number as a spare part: 45000-003400	4	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.6 M	1.11	1.52	1.82	2.07	2.29	2.49	2.66	2.83	2.98	3.13

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN ALL 2000 M DRIPPERLINE WILL BE USED	3.55	4.85	5.82	6.63	7.33	7.95	8.53	9.05	9.55	10.01

DRIPK 4008

DRIP IRRIGATION SYSTEM PER 1.0 ACRE / 0.4 HECTARE

APPLICATIONS

Irrigation of all vegetable types or row crops grown on 1.0 acre / 0.4 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 1.0 acre / 0.4 hectare (4000 m²) with 0.8 m dripperline spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

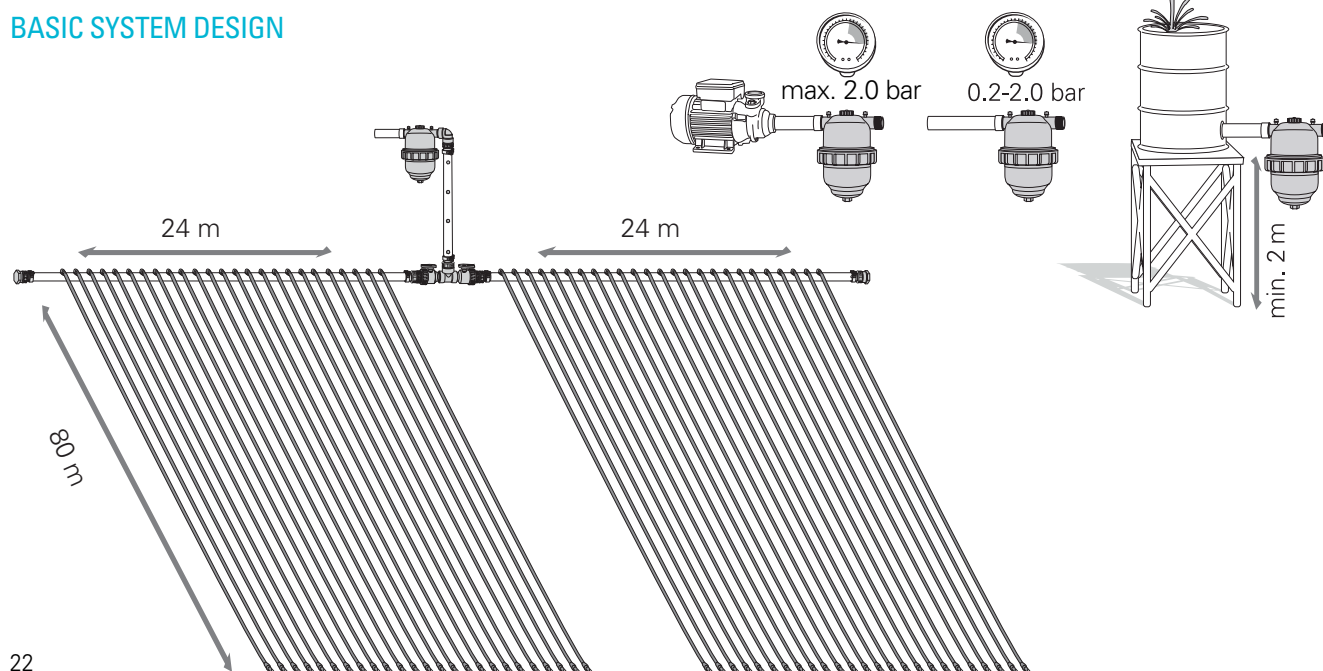
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number : 42000-015500
- Packaging size: 1.14 x 1.14 x 0.50 meter
- Number of pallets per 40 ft container: 80 systems
- Average pallet weight: 107 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 4008	42000-015500	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 12125 1.10 L/H 0.30 M 2000 M Catalog number as a spare part: 15400-004050	3	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	1	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PVC THREADED BALL VALVE F-F 2" -1 NUT Catalog number as a spare part: 77400-032200	1	
2" T TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC THREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	10	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part: 32500-003350	70	
RING END LINE 12 W/RING Catalog number as spare part: 32500-003560	70	
RING COUPLING 12 MM W RINGS Catalog number as spare part: 32500-002471	70	
NARROW TEFLON Catalog number as a spare part: 45000-003400	4	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 0.8 M	2.22	3.03	3.64	4.14	4.58	4.97	5.33	5.66	5.97	6.26

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 4800 M DRIPPERLINE WILL BE USED	8.5	11.6	14.0	15.9	17.6	19.1	20.5	21.7	22.9	24.0
FLOW RATE 1/2 AREA (M ³ /H) WHEN 2400 M DRIPPERLINE WILL BE USED	4.26	5.82	6.99	7.95	8.79	9.55	10.23	10.86	11.46	12.01

SYSTEM COMPONENTS

DRIPK 4016	42000-015505	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 12125 1.10 L/H 0.30 M 2000 M Catalog number as a spare part: 15400-004050	2	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	1	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PVCTHREADED BALL VALVE FF 2" -1 NUT Catalog number as a spare part: 77400-032200	1	
2" TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	40	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part: 32500-003350	40	
RING END LINE 12 W/RING Catalog number as spare part: 32500-003560	40	
RING COUPLING 12 MM W RINGS Catalog number as spare part: 32500-002471	40	
NARROW TEFLON Catalog number as a spare part: 45000-003400	4	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.6 M	1.11	1.52	1.82	2.07	2.29	2.49	2.66	2.83	2.98	3.13

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 2400 M DRIPPERLINE WILL BE USED	4.26	5.82	6.99	7.95	8.79	9.55	10.23	10.86	11.46	12.01
FLOW RATE 1/2 AREA (M ³ /H) WHEN 1200 M DRIPPERLINE WILL BE USED	2.13	2.91	3.49	3.98	4.40	4.77	5.12	5.43	5.73	6.01

DRIPK 5010

DRIP IRRIGATION SYSTEM PER 0.5 HECTARE

APPLICATIONS

Irrigation of all vegetable types or row crops grown on 5000 m² / 0.5 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 0.5 hectare (5000 m²) with 1.0 m dripperline spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

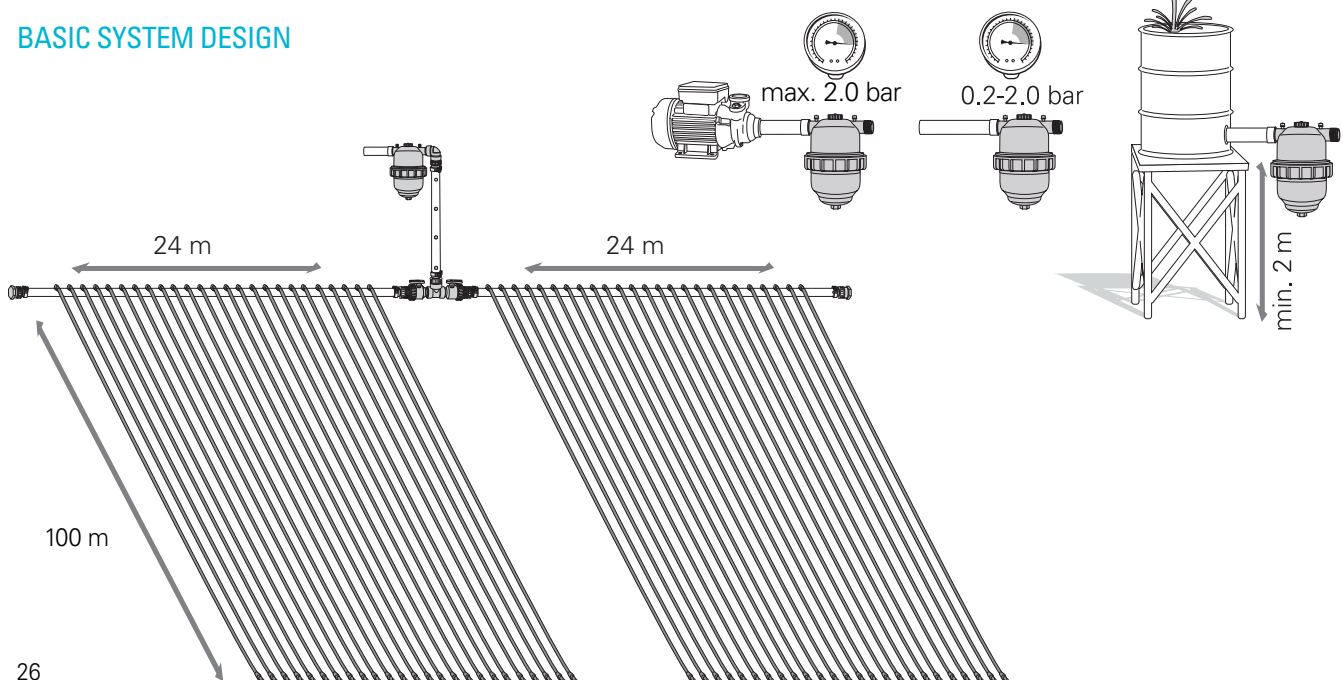
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number : 42000-015540
- Packaging size: 1.14 x 1.00 x 0.60 meter
- Number of pallets per 40 ft container: 80 systems
- Average pallet weight: 130 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 5010	42000-015540	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 16150 1.05 L/H 0.30 M 1250 M Catalog number as a spare part: 15560-001600	4	
PLN PIPE 2" 1/2 CONN. 1.0 M 50 M Catalog number as a spare part: 43000-015900	1	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PVC THREADED BALL VALVE F-F 2" -1 NUT Catalog number as a spare part: 77400-032200	1	
2" T TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC THREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	5	
PLASTIC ELBOW 1/2" F* 1/2" M Catalog number as a spare part: 78220-003000	50	
STRAIGHT RING 16-1/2 MTH W/RING Catalog number as spare part: 32500-015100	50	
RING END LINE 16 W/RING Catalog number as spare part: 32500-016460	50	
RING COUPLING 16 MM W RINGS Catalog number as spare part: 32500-016740	50	
NARROW TEFLON Catalog number as a spare part: 45000-003400	6	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.51	0.70	0.84	0.95	1.05	1.14	1.22	1.30	1.37	1.44
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	1.70	2.32	2.78	3.17	3.50	3.80	4.08	4.33	4.57	4.79

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 5000 M DRIPPERLINE WILL BE USED	8.49	11.60	13.92	15.85	17.52	19.02	20.39	21.65	22.83	23.93
FLOW RATE 1/2 AREA (M ³ /H) WHEN 2500 M DRIPPERLINE WILL BE USED	4.25	5.80	6.96	7.92	8.76	9.51	10.19	10.82	11.41	11.97



DRIPK 9608

DRIP IRRIGATION SYSTEM PER 1.0 HECTARE

APPLICATIONS

Irrigation of all vegetable types or row crops grown on 1.0 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 1.0 hectare (10000 m²) with 0.8 m dripperline spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

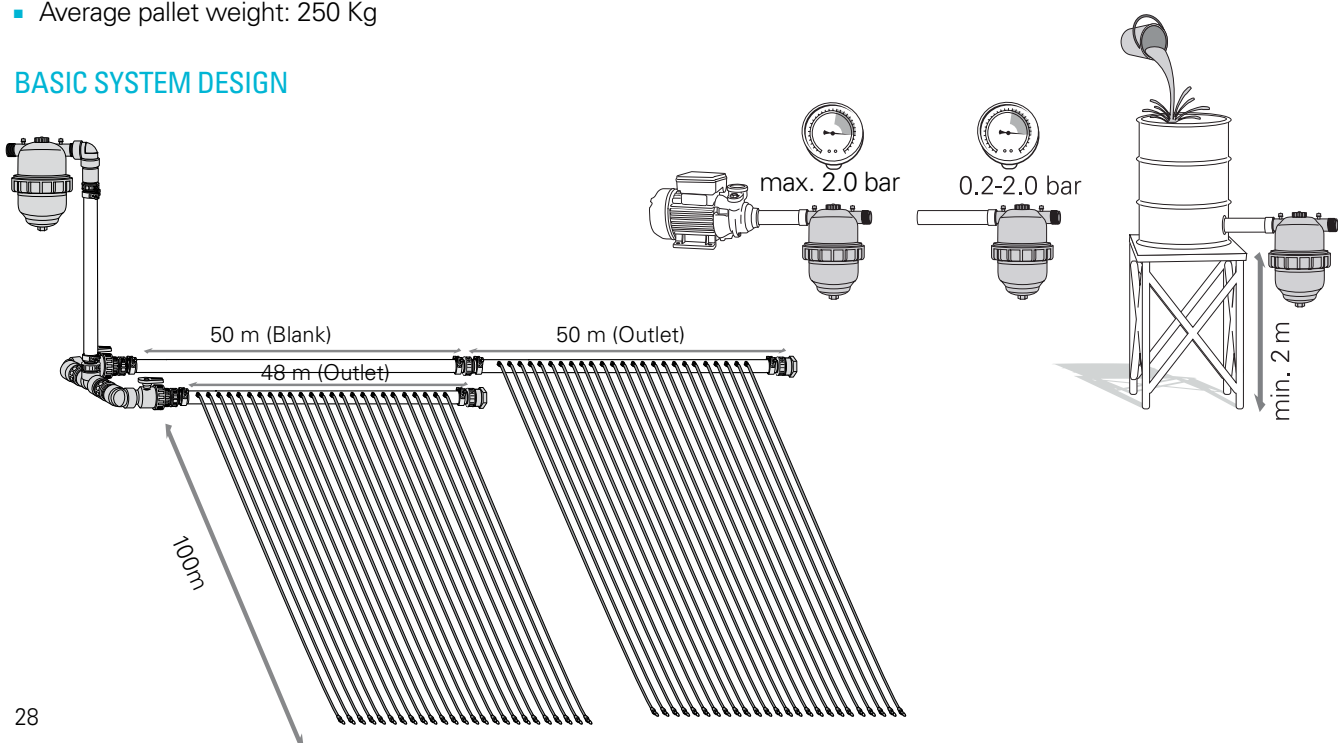
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number : 42000-015700
- Packaging size: 1.14 x 1.14 x 1.00 meter
- Number of pallets per 40 ft container: 40 systems
- Average pallet weight: 250 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 9608	42000-015700	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 16125 1.10 L/H 0.30 M 1500 M Catalog number as a spare part: 15540-002200	8	
PLN PIPE 2" 51 MM BLANK 50 M Catalog number as a spare part: 43000-001550	1	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	2	
PVC THREADED BALL VALVE 3" -1 NUT Catalog number as a spare part: 77400-032220	1	
3" T TAGLINE FILTER S.SCREEN 120 MESH Catalog number as a spare part: 74410-001990	1	
PVC 90 DEG THREADED ELBOW 3" Catalog number as a spare part: 77400-016600	1	
PVC THREADED REDUCER 3" M*2" F Catalog number as a spare part: 77400-011100	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC DOUBLE NIPPLE 2" Catalog number as a spare part: 77400-018000	2	
PVC 90 DEG THREADED ELBOW 2" Catalog number as a spare part: 77400-016400	2	
PVC THREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	20	
PLASTIC ELBOW 1/2" F*1/2" M Catalog number as a spare part: 78220-003000	130	
STRAIGHT RING 16-1/2 MTH W/RING Catalog number as spare part: 32500-015100	130	
RING END LINE 16 W/RING Catalog number as spare part: 32500-016460	130	
RING COUPLING 16 MM W RINGS Catalog number as spare part: 32500-016740	100	
NARROW TEFLON Catalog number as a spare part: 45000-003400	6	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 0.8 M	2.22	3.03	3.64	4.14	4.58	4.97	5.33	5.66	5.97	6.26

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 12000 M DRIPPERLINE WILL BE USED	21.31	29.11	34.94	39.77	43.97	47.73	Flows not recommended for use			
FLOW RATE 1/2 AREA (M ³ /H) WHEN 6000 M DRIPPERLINE WILL BE USED	10.66	14.56	17.47	19.88	21.98	23.86	25.58	27.16	28.64	30.03

DRIPK 9610

DRIP IRRIGATION SYSTEM PER 1.0 HECTARE

APPLICATIONS

Irrigation of all vegetable types or row crops grown on 10000 m² / 1.0 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 1.0 hectare (10000 m²) with 1.0 m dripperline spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

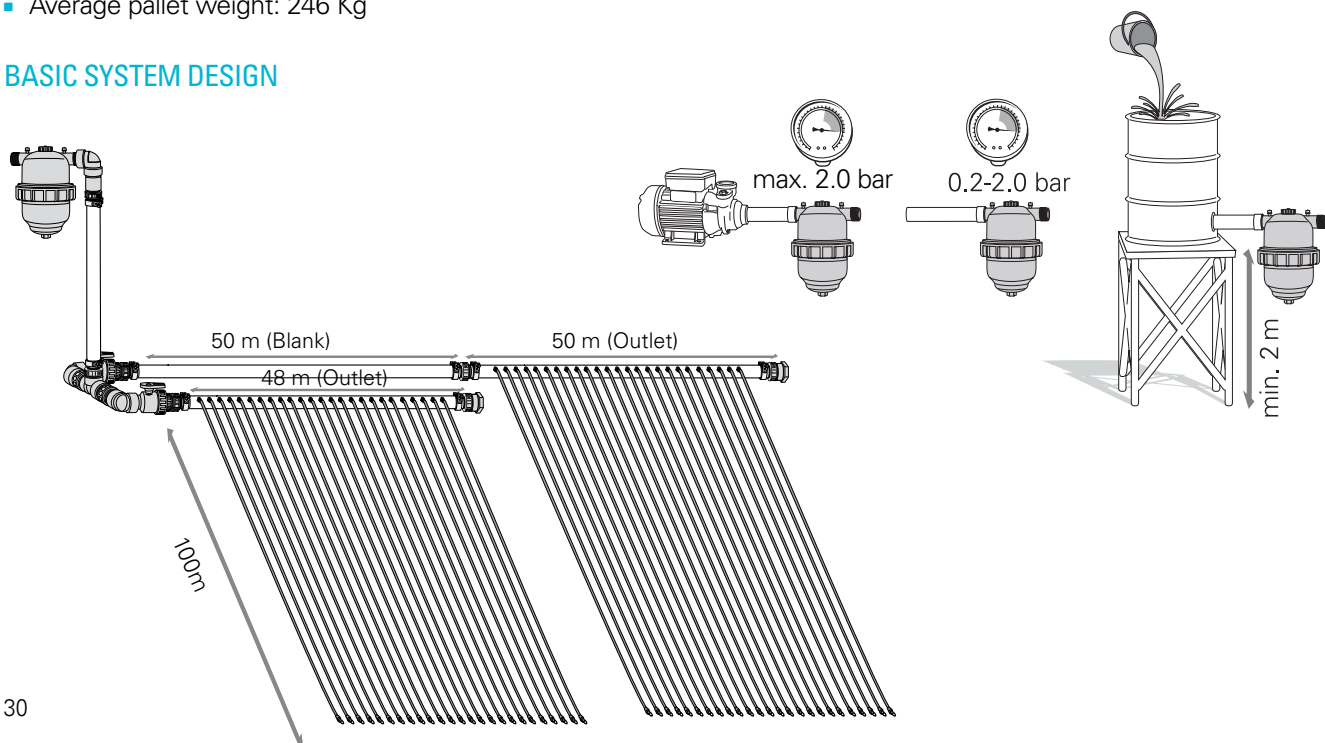
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number : 42000-015740
- Packaging size: 1.14 x 1.14 x 1.00 meter
- Number of pallets per 40 ft container: 40 systems
- Average pallet weight: 246 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 9610	42000-015740	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 16150 1.05 L/H 0.30 M 1250 M Catalog number as a spare part: 15560-001600	8	
PLN PIPE 2" 51 MM BLANK 50 M Catalog number as a spare part: 43000-001550	1	
PLN PIPE 2" 1/2 CONN. 1.00 M 50 M Catalog number as a spare part: 43000-015900	2	
PVCTHREADED BALL VALVE 3" -1 NUT Catalog number as a spare part: 77400-032220	1	
3" T TAGLINE FILTER S.SCREEN 120 MESH Catalog number as a spare part: 74410-001990	1	
PVC 90 DEG THREADED ELBOW 3" Catalog number as a spare part: 77400-016600	1	
PVCTHREADED REDUCER 3" M*2" F Catalog number as a spare part: 77400-011100	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC DOUBLE NIPPLE 2" Catalog number as a spare part: 77400-018000	2	
PVC 90 DEG THREADED ELBOW 2" Catalog number as a spare part: 77400-016400	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	10	
PLASTIC ELBOW 1/2" F*1/2" M Catalog number as a spare part: 78220-003000	100	
STRAIGHT RING 16-1/2 MTH W/RING Catalog number as spare part: 32500-015100	100	
RING END LINE 16 W/RING Catalog number as spare part: 32500-016460	100	
RING COUPLING 16 MM W RINGS Catalog number as spare part: 32500-016740	80	
NARROW TEFLON Catalog number as a spare part: 45000-003400	10	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.51	0.70	0.84	0.95	1.05	1.14	1.22	1.30	1.37	1.44
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.0 M	1.70	2.32	2.78	3.17	3.50	3.80	4.08	4.33	4.57	4.79

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 10000 M DRIPPERLINE WILL BE USED	16.98	23.20	27.85	31.69	35.04	38.04	40.77	43.30	45.65	47.87
FLOW RATE 1/2 AREA (M ³ /H) WHEN 5000 M DRIPPERLINE WILL BE USED	8.49	11.60	13.92	15.85	17.52	19.02	20.39	21.65	22.83	23.93

DRIPK 9616

DRIP IRRIGATION SYSTEM PER 1.0 HECTARE

APPLICATIONS

Irrigation of all vegetable types or row crops grown on 1.0 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 1.0 hectare (10000 m²) with 1.6 m dripperline spacing.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

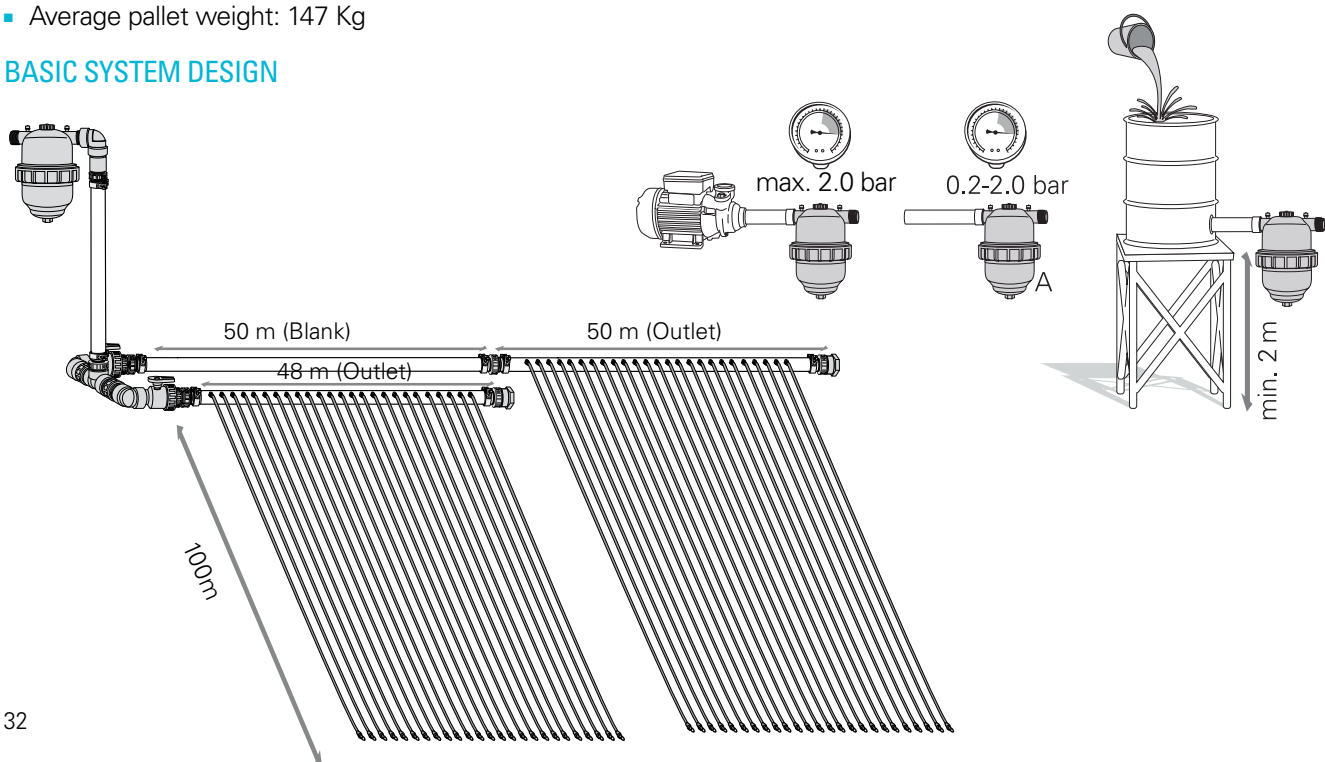
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number : 42000-015750
- Packaging size: 1.13 x 0.84 x 0.60 meter
- Number of pallets per 40 ft container: 60 systems
- Average pallet weight: 147 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 9616	42000-015750	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 16125 1.10 L/H 0.30 M 1500 M Catalog number as a spare part: 15540-002200	4	
PLN PIPE 2" 51 MM BLANK 50 M Catalog number as a spare part: 43000-001550	1	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	2	
PVCTHREADED BALL VALVE 3" -1 NUT Catalog number as a spare part: 77400-032220	1	
3" TTAGLINE FILTER S.SCREEN 120 MESH Catalog number as a spare part: 74410-001990	1	
PVC 90 DEG THREADED ELBOW 3" Catalog number as a spare part: 77400-016600	1	
PVCTHREADED REDUCER 3" M*2" F Catalog number as a spare part: 77400-011100	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC DOUBLE NIPPLE 2" Catalog number as a spare part: 77400-018000	2	
PVC 90 DEG THREADED ELBOW 2" Catalog number as a spare part: 77400-016400	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	50	
PLASTIC ELBOW 1/2" F*1/2" M Catalog number as a spare part: 78220-003000	70	
STRAIGHT RING 16-1/2 MTH W/RING Catalog number as spare part: 32500-015100	70	
RING END LINE 16 W/RING Catalog number as spare part: 32500-016460	70	
RING COUPLING 16 MM W RINGS Catalog number as spare part: 32500-016740	50	
NARROW TEFLON Catalog number as a spare part: 45000-003400	6	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) WITH DRIPPERLINES EACH 1.6 M	1.11	1.52	1.82	2.07	2.29	2.49	2.66	2.83	2.98	3.13

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 6000 M DRIPPERLINE WILL BE USED	10.66	14.56	17.47	19.88	21.98	23.86	25.58	27.16	28.64	30.03
FLOW RATE 1/2 AREA (M ³ /H) WHEN 3000 M DRIPPERLINE WILL BE USED	5.33	7.28	8.73	9.94	10.99	11.93	12.79	13.58	14.32	15.02



DRIPK 10 FT

DRIP IRRIGATION SYSTEM FOR MAXIMUM 1.0 HECTARE

APPLICATIONS

Irrigation of all vegetable types, row or tree crops grown on maximum 1.0 hectare fields.

SPECIFICATIONS

- Designed for irrigation of maximum 1.0 hectare (10000 m²) with 0.5 m multiplications - dripperline spacing.
- To allow maximum system flexibility with most crop types (mainly fruit trees/shrubs), the sub-main line should include welded outlets every 0.5 m, there are suitable seals that come with the system. The grower should determine the desired spacing between the dripperlines to be installed (in 0.5 m multiplications) with the unused outlets sealed off.
- It is possible to use 2 dripperlines per 1 tree row by using 2 close outlets, while sealing the unused outlets according to the distance between the rows.
- Working pressure range: 0.2 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Dripper flows, irrigation rates and scheduling at different working pressures samples will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.2 bar).

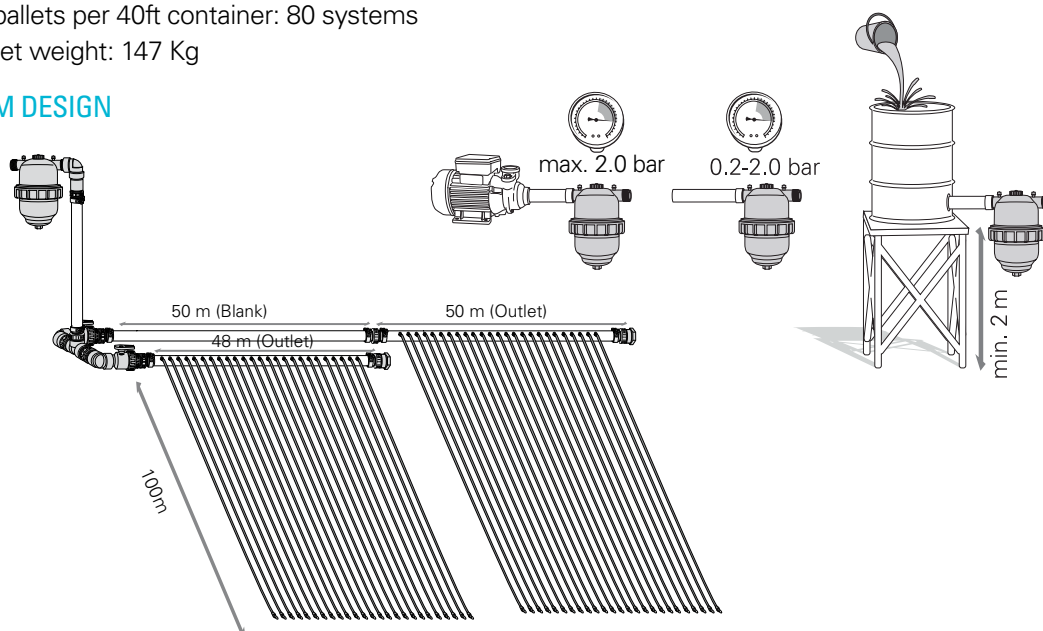
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number: 42000-015900
- Packaging size: 1.10 x 0.95 x 0.58 meter
- Number of pallets per 40ft container: 80 systems
- Average pallet weight: 147 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 10 FT	42000-015900	
DESCRIPTION	UNITS	PICTURE
S. TYPHOON 16125 1.10 L/H 0.30 M 1500 M Catalog number as a spare part: 15540-002200	4	
PLN PIPE 2" 51 MM BLANK 50 M Catalog number as a spare part: 43000-001550	1	
PLN PIPE 2" 1/2 CONN. 0.5 M 100 M Catalog number as a spare part: 43000-015540	2	
PVCTHREADED BALL VALVE 3" -1 NUT Catalog number as a spare part: 77400-032220	1	
3" T TAGLINE FILTER S.SCREEN 120 MESH Catalog number as a spare part: 74410-001990	1	
PVC 90 DEG THREADED ELBOW 3" Catalog number as a spare part: 77400-016600	1	
PVCTHREADED REDUCER 3" M*2" F Catalog number as a spare part: 77400-011100	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC DOUBLE NIPPLE 2" Catalog number as a spare part: 77400-018000	2	
PVC 90 DEG THREADED ELBOW 2" Catalog number as a spare part: 77400-016400	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	140	
PLASTIC ELBOW 1/2" F*1/2" M Catalog number as a spare part: 78220-003000	60	
STRAIGHT RING 16-1/2 MTH W/RING Catalog number as spare part: 32500-015100	60	
RING END LINE 16 W/RING Catalog number as spare part: 32500-016460	60	
RING COUPLING 16 MM W RINGS Catalog number as spare part: 32500-016740	40	
NARROW TEFLON Catalog number as a spare part: 45000-003400	6	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Example (when 2 dripperlines will be installed each 4 meters spacing):

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing (for other dripperline choices these data must be re-calculated):

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	0.53	0.73	0.87	0.99	1.10	1.19	1.28	1.36	1.43	1.50
PRECIPITATION RATE (MM/H) - 2 DRIPPERLINES EACH 4 METERS SPACING	0.89	1.21	1.46	1.66	1.83	1.99	2.13	2.26	2.39	2.50

To calculate irrigation time/ day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or hourly water amount when the system is operated in two halves. For other dripperline choices these data must be re-calculated):

PRESSURE (BAR)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M ³ /H) WHEN 6000 M DRIPPERLINE WILL BE USED	10.60	14.56	17.47	19.88	21.98	23.86	25.58	27.16	28.64	30.03
FLOW RATE 1/2 AREA (M ³ /H) WHEN 3000 M DRIPPERLINE WILL BE USED	5.30	7.28	8.73	9.94	10.99	11.93	12.79	13.58	14.32	15.02



DRIPK 5018 PC

PRESSURE COMPENSATED DRIP IRRIGATION SYSTEM

APPLICATIONS

Irrigation of all row crops or trees crops grown on 0.5 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 0.5 hectare (5000 m²) with 1.8 m dripperline spacing.
- Working pressure range: 0.5 to 3.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with irregular topographic variations.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 0.5 bar).

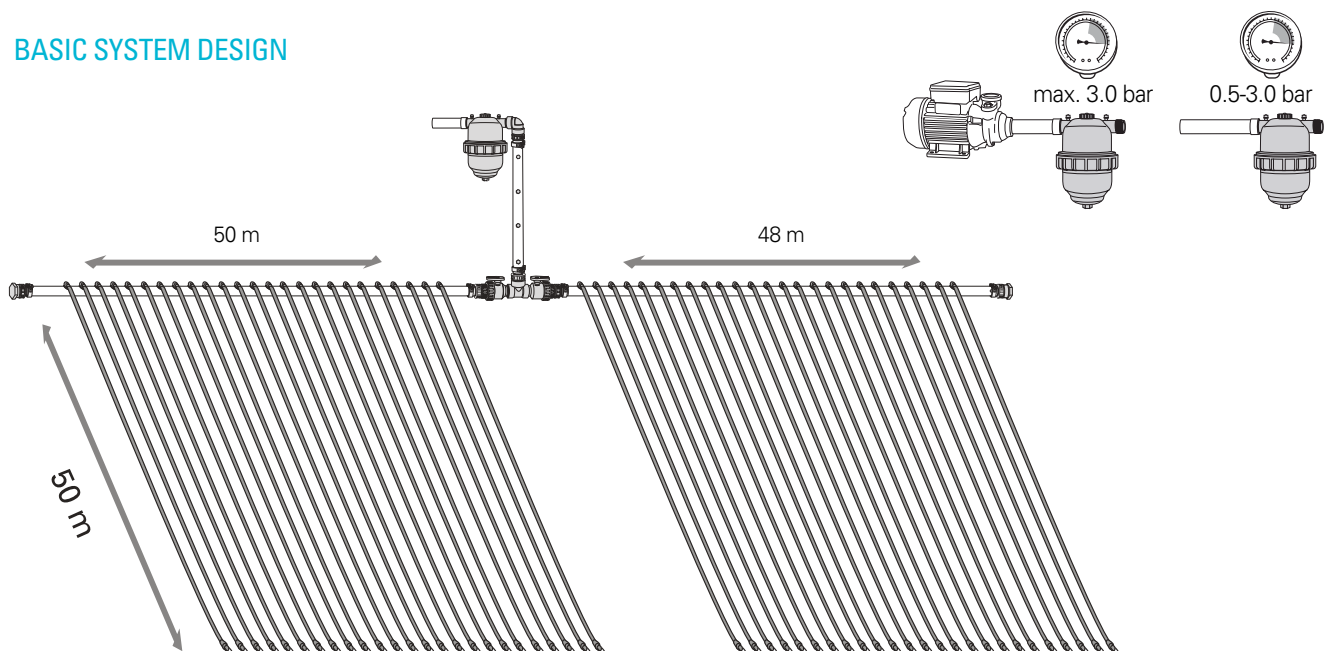
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number: 42000-015600
- Packaging size: 1.14 x 1.14 x 0.60 meter
- Number of pallets per 40 ft container: 60 systems
- Average pallet weight: 82 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 5018	42000-015600	
DESCRIPTION	UNITS	PICTURE
DRIPNET PC 12150 2.00 L/H 0.50 M 900 M Catalog number as a spare part: 17220-006500	3	
PLN PIPE 2" 1/2 CONN. 1.80 M 100 M Catalog number as a spare part: 43000-016070	1	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PVC THREADED BALL VALVE F-F 2" -1 NUT Catalog number as a spare part: 77400-032200	1	
2" T TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC THREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	10	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part: 32500-003350	60	
RING END LINE 12 W/RING Catalog number as spare part: 32500-003560	60	
RING COUPLING 12 MM W RINGS Catalog number as spare part: 32500-002471	60	
NARROW TEFLON Catalog number as a spare part: 45000-003400	4	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

DRIPPER FLOW RATE	2.0 l/h
DISTANCE BETWEEN DRIPPERS	0.5 meter
DISTANCE BETWEEN LATERALS	1.8 meter
PRECIPITATION RATE	2.22 mm/h

TOTAL FLOW RATE WHEN 2700 M DRIPPERLINE WILL BE USED	10.8 m ³ /h
FLOW RATE 1/2 AREA WHEN 1350 M DRIPPERLINE WILL BE USED	5.4 m ³ /h

To calculate irrigation time/ day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate to obtain the total number of hours required for irrigation.



DRIPK 9608 PC

PRESSURE COMPENSATED DRIP IRRIGATION SYSTEM

APPLICATIONS

Irrigation of all row crops or trees crops grown on 1.0 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 1.0 hectare (10000 m²) with 0.8 m dripperline spacing.
- Working pressure range: 1.0 to 3.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with irregular topographic variations.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 1.0 bar).

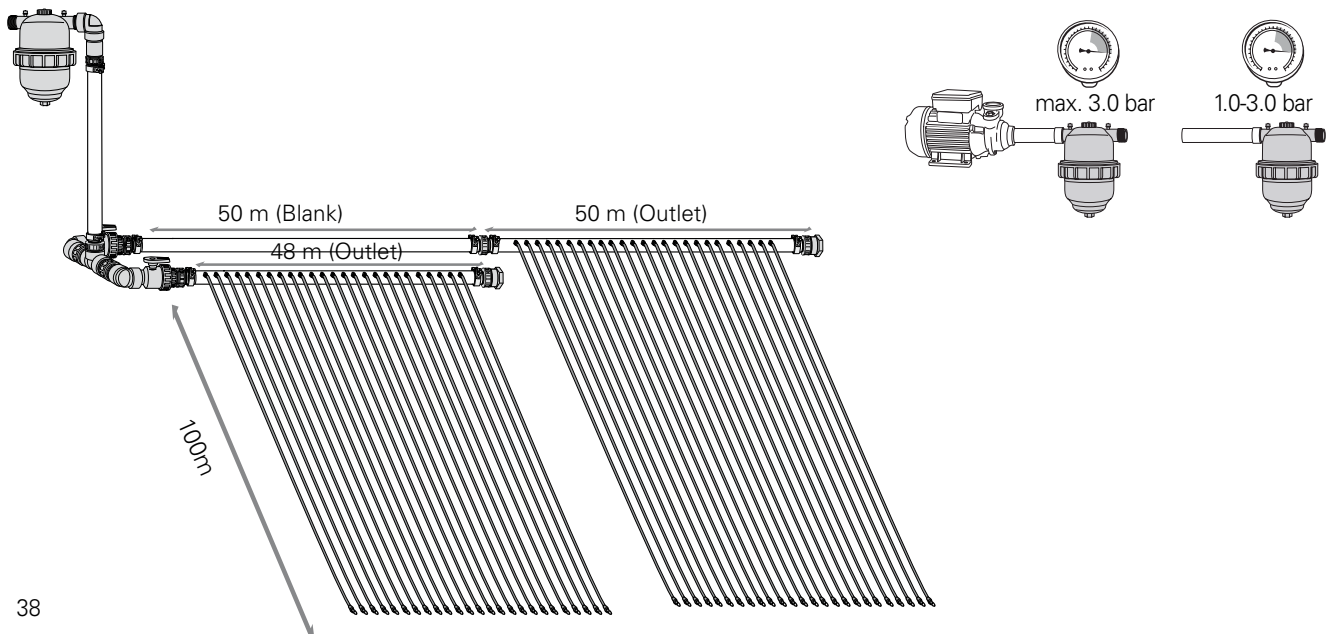
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number: 42000-015710
- Packaging size: 1.10 x 1.14 x 1.44 meter
- Number of pallets per 40 ft container: 80 systems
- Average pallet weight: 220 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 9608 PC	42000-015710	
DESCRIPTION	UNITS	PICTURE
DRIPNET PC 12125 1.00 L/H 0.30 M 1200 M Catalog number as a spare part: 17200-003220	10	
PLN PIPE 2" 51 MM BLANK 50 M Catalog number as a spare part: 43000-001550	1	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	2	
PVCTHREADED BALL VALVE 3" -1 NUT Catalog number as a spare part: 77400-032220	1	
3" T TAGLINE FILTER S.SCREEN 120 MESH Catalog number as a spare part: 74410-001990	1	
PVC 90 DEG THREADED ELBOW 3" Catalog number as a spare part: 77400-016600	1	
PVCTHREADED REDUCER 3" M*2" F Catalog number as a spare part: 77400-011100	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC DOUBLE NIPPLE 2" Catalog number as a spare part: 77400-018000	2	
PVC 90 DEG THREADED ELBOW 2" Catalog number as a spare part: 77400-016400	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	10	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part : 32500-003350	130	
RING END LINE 12 W/RING Catalog number as spare part : 32500-003560	130	
RING COUPLING 12 MM W RINGS Catalog number as spare part : 32500-002471	100	
NARROW TEFLON Catalog number as a spare part: 45000-003400	6	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

DRIPPER FLOW RATE	1.0 l/h
DISTANCE BETWEEN DRIPPERS	0.3 meter
DISTANCE BETWEEN LATERALS	0.8 meter
PRECIPITATION RATE	4.16 mm/h

TOTAL FLOW RATE WHEN 12000 M DRIPPERLINE WILL BE USED	40.0 m ³ /h
FLOW RATE 1/2 AREA WHEN 6000 M DRIPPERLINE WILL BE USED	20.0 m ³ /h

To calculate irrigation time/ day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate to obtain the total number of hours required for irrigation.



DRIPK 9616 PC

PRESSURE COMPENSATED DRIP IRRIGATION SYSTEM

APPLICATIONS

Irrigation of all row crops or trees crops grown on 1.0 hectare fields.

SPECIFICATIONS

- Designed for irrigation of 1.0 hectare (10000 m²) with 1.6 m dripperline spacing.
- Working pressure range: 1.0 to 3.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with irregular topographic variations.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 1.0 bar).

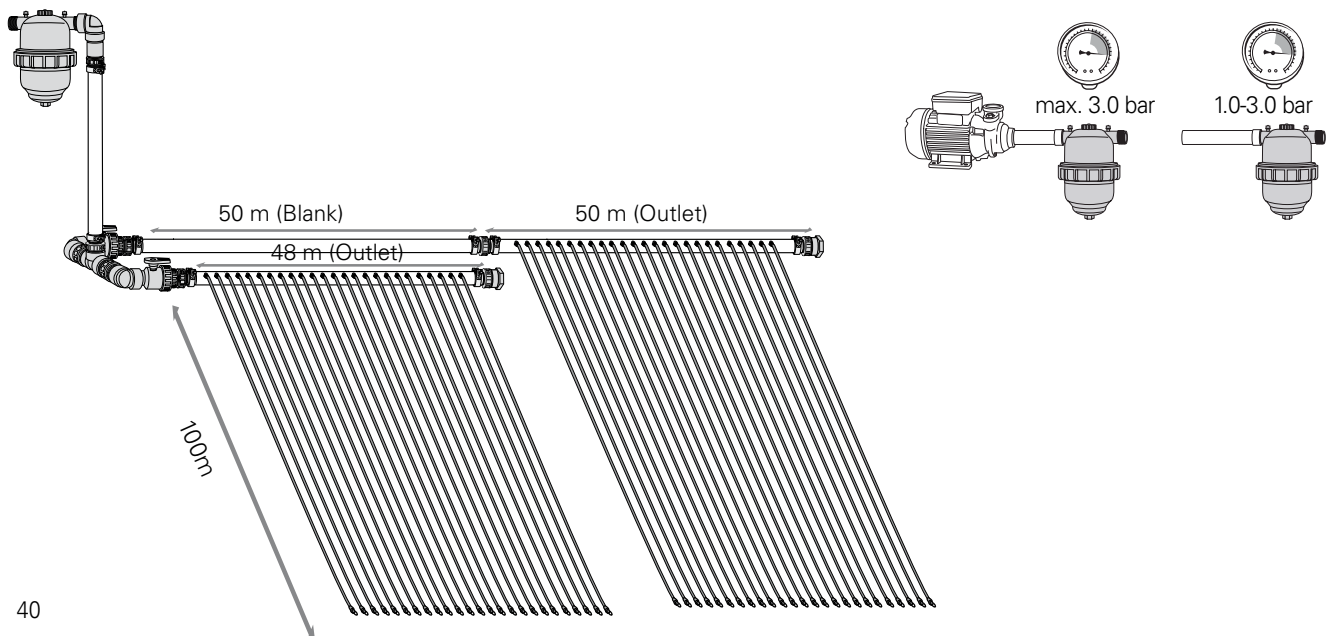
FEATURES AND BENEFITS

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and water efficient application directly to the root zone.
- Durable drippers for several seasons' performance.
- Dripperlines wall thickness allows multi-seasonal use (layout and retrieval).

LOGISTIC DATA

- Catalog number: 42000-015760
- Packaging size: 1.14 x 0.60 x 1.00 meter
- Number of pallets per 40 ft container: 80 systems
- Average pallet weight: 144 Kg

BASIC SYSTEM DESIGN



SYSTEM COMPONENTS

DRIPK 9616 PC	42000-015760	
DESCRIPTION	UNITS	PICTURE
DRIPNET PC 12125 1.00 L/H 0.30 M 1200 M Catalog number as a spare part: 17200-003220	5	
PLN PIPE 2" 51 MM BLANK 50 M Catalog number as a spare part: 43000-001550	1	
PLN PIPE 2" 1/2 CONN. 0.8 M 50 M Catalog number as a spare part: 43000-015800	2	
PVCTHREADED BALL VALVE 3" -1 NUT Catalog number as a spare part: 77400-032220	1	
3" T TAGLINE FILTER S.SCREEN 120 MESH Catalog number as a spare part: 74410-001990	1	
PVC 90 DEG THREADED ELBOW 3" Catalog number as a spare part: 77400-016600	1	
PVCTHREADED REDUCER 3" M*2" F Catalog number as a spare part: 77400-011100	1	
PLASTIC TEE 2" Catalog number as a spare part: 78220-003800	1	
PVC DOUBLE NIPPLE 2" Catalog number as a spare part: 77400-018000	2	
PVC 90 DEG THREADED ELBOW 2" Catalog number as a spare part: 77400-016400	2	
PVCTHREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	2	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	6	
PLN/FTN COUPLING BARB CON. 2" KIT Catalog number as a spare part: 43040-018000	1	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	70	
ELBOW RING 12-1/2 MTH-RING 12 W/RINGS Catalog number as spare part : 32500-003350	70	
RING END LINE 12 W/RING Catalog number as spare part : 32500-003560	70	
RING COUPLING 12 MM W RINGS Catalog number as spare part : 32500-002471	50	
NARROW TEFLON Catalog number as a spare part: 45000-003400	6	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

DRIPPER FLOW RATE	1.0 l/h
DISTANCE BETWEEN DRIPPERS	0.3 meter
DISTANCE BETWEEN LATERALS	1.6 meter
PRECIPITATION RATE	2.08 mm/h

TOTAL FLOW RATE WHEN 6000 M DRIPPERLINE WILL BE USED	20.0 m ³ /h
FLOW RATE 1/2 AREA WHEN 3000 M DRIPPERLINE WILL BE USED	10.0 m ³ /h

To calculate irrigation time/ day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate to obtain the total number of hours required for irrigation.



SPRINK 10 110

SPRINKLER IRRIGATION SYSTEM PER 1.0 HECTARE

APPLICATIONS

Irrigation of all vegetable types or row crops grown on 1.0 hectare fields.

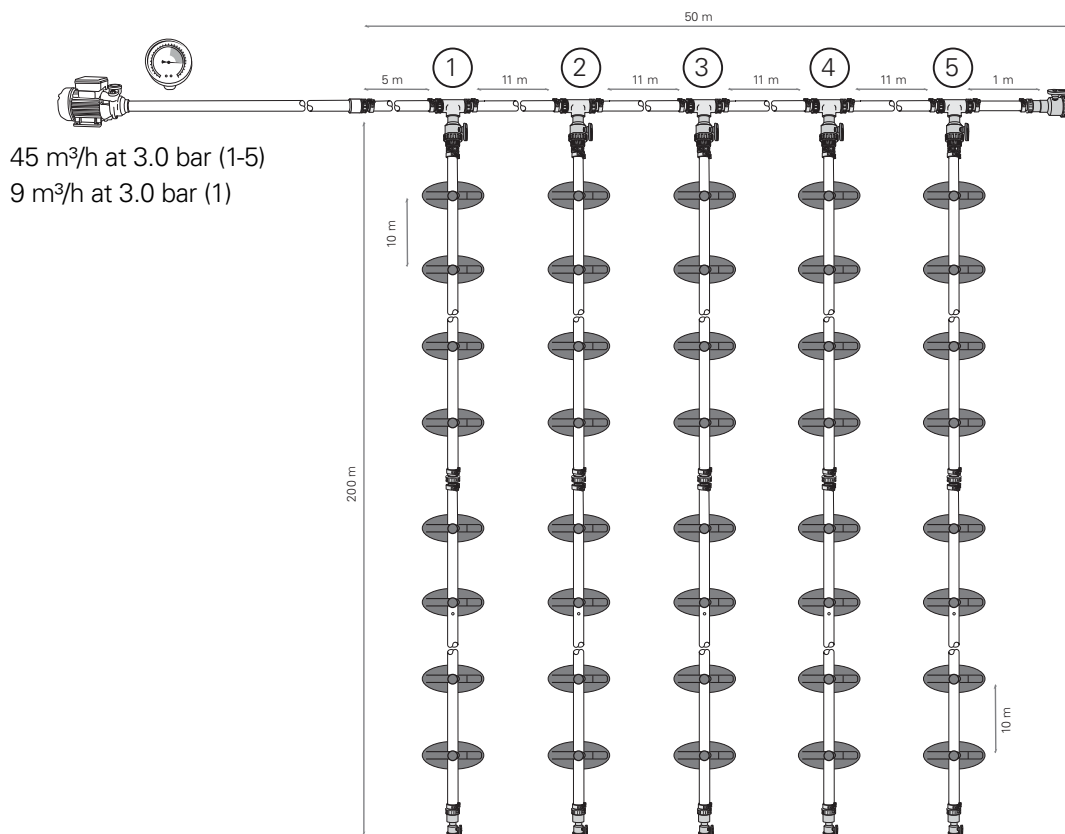
SPECIFICATIONS

- Designed for irrigation of 1.0 hectare (10000 m²) with 10*11 meter sprinkler rectangular spacing.
- Working pressure: 3.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- The system includes all needed components for field installation and operation.
- It can be fully or in five shifts operated depending on the water amounts per hour available to the user.

ADVANTAGES

- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Precise and efficient water application.
- Robust and protected sprinklers mechanism for several seasons' performance.

BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 42000-013000
- Packaging size: 1.50 x 0.75 x 1.50 meter
- Number of pallets per 40 ft container: 22 systems
- Average pallet weight: 258 Kg

SYSTEM COMPONENTS

SPRINK 10 110	42000-013000
DESCRIPTION	UNITS
PLN PIPE 2" 1/2" CONN. 10 M 100 M	10
FTN PIPE 3" 78 MM BLANK 50 M	1
PLN/FTN COUPLING BARB CONN. 2" KIT	5
PLN/FTN BARB CONN. 3" * MTH BSP 3" KIT	1
T 3" * 2" * 3" FOR SPRINK KIT	5
FLUSHING VALVE KIT 3" FOR SPRINK	1
FLUSHING VALVE KIT 2" FOR SPRINK	5
MGN 24D 1/2"IC 450 L/H HEAD ONLY	100
MEGA BASE	100
MEGA SUPPORTING ARM	100
MEGA RISER - 0.4 M	200
NARROWTEFLON	10

TECHNICAL DATA

Sprinkler flow rate at 2.5 bar working pressure	461 l/h
Precipitation rate	4.19 mm/h
One lateral flow rate	9.22 m ³ /h
Total area flow rate , 5 laterals	46.10 m ³ /h

If the inlet pressure is more than 3.0 bar is strongly recommended the installation of a:

- a) Threaded 3" PRV at the system head, catalog number: 30580-001600 (not included in this kit), or



- b) PRV Barb 2" kit at the beginning of each lateral, catalog number: 43040-035250 (not included in this kit)





SPRINK 10 FT

MICRO-SPRINKLER IRRIGATION SYSTEM FOR MAXIMUM 1.0 HECTARE

APPLICATIONS

Irrigation of tree crops grown on maximum 1.0 hectare fields.

SPECIFICATIONS

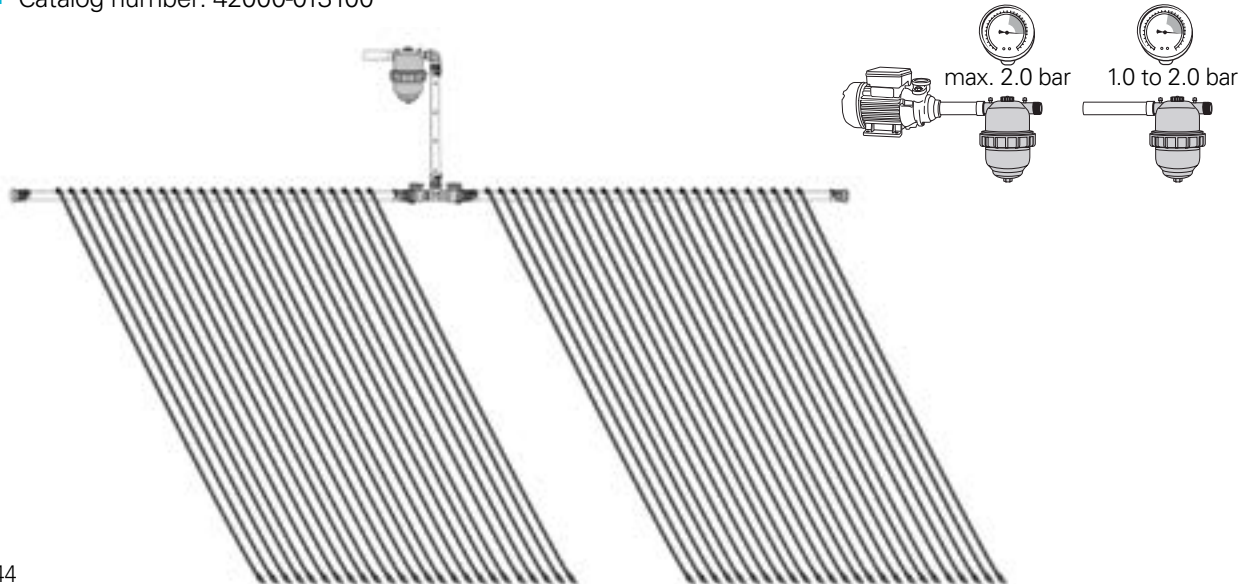
- Designed for irrigation of maximum 1.0 hectare (10000 m²)
- The kit can be use also for installation in different distances:
 - a) Between the rows, a micro-sprinkler distribution pipe can be installed every 1.0 m or 1.0 m-multiples up to 16 distribution pipes.
 - b) In the row, micro-sprinklers can be installed at any desired spacing, no more than 20 micro-sprinklers on each lateral.
- To allow maximum system flexibility with most fruit trees, the sub-main line should include welded outlets every 1.0 m. There are suitable plugs that come with the system. The grower should determine the desired spacing between the distribution lines to be installed (in 1.0 m multiplications) with the unused outlets sealed off.
- Working pressure range: 1.0 to 2.0 bar.
- System head control must be installed in the highest point of the irrigated field.
- The system is designed for installation in fields with maximum 2% slope.
- Micro-sprinklers flows, irrigation rates and scheduling at different working pressures samples will follow in the table below.
- The system includes all needed components for field installation and operation.
- It can be fully or in two shifts operated depending on the water amounts per hour available to the user.
- The system can be operated by water pressure using a pump or by atmospheric pressure (over 1.0 bar).
- The system includes a valve per each distribution pipe in order to operate each micro-sprinkler line according to the flow available to the grower (several laterals can be operated simultaneously). System's hydraulic design enables the proper and simultaneous operation of 320 micro-sprinklers.

FEATURES AND BENEFITS















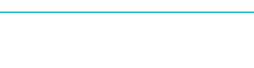
- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Durable emitters for several seasons' performance.

LOGISTIC DATA

- Catalog number: 42000-013100



SYSTEM COMPONENTS

SPRINK 10 FT	42000-013100	
DESCRIPTION	UNITS	PICTURE
PE IRRIGATION PIPE 25/2.5 100M Catalog number as a spare part: 40500-003480	16	
PLN PIPE 2" 1/2" CONN. 1.00M 50.0M Catalog number as a spare part: 43000-015900	2	
TANK OUTLET 2" Catalog number as a spare part: 75070-004700	1	
PVC THREADED BALL VALVE F-F 2" -1 NUT Catalog number as a spare part: 77400-032200	1	
2" T TAGLINE. FILT.SS.SCREEN 120 MESH Catalog number as a spare part: 74410-001710	1	
PLASTIC ELBOW 2" F Catalog number as a spare part: 78220-002900	1	
PVC THREADED BALL VALVE M-F 2" -1 NUT Catalog number as a spare part: 77400-032450	1	
PLN/FTN BARB CON. 2" * MTH BSP 2" KIT Catalog number as a spare part: 43040-018050	2	
PLASTIC CAP 2" Catalog number as a spare part: 78220-006800	2	
PLASTIC MALE THREADED PLUG 1/2" Catalog number as a spare part: 78220-005950	80	
PLASTIC ELBOW 1/2" F* 1/2" M Catalog number as a spare part: 78220-003000	16	
VALVE 25 MM * 1/2 MTH Catalog number as a spare part: 76220-008520	32	
GYR SR MIC STUB 090LH HEAD ONLY Catalog number as a spare part: 64000-030505	320	
CLIP STAKE Catalog number as a spare part: 63000-009860	320	
MIC 4*6.5 TUBE FOC 60CM BC Catalog number as a spare part: 63000-005800	320	
NARROW TEFLON Catalog number as a spare part: 45000-003400	4	

The draws are non-uniformly scaled. They are for illustration purposes only.

TECHNICAL DATA

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripperline spacing:

PRESSURE (BAR)	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
FLOW RATE (L/H)	54.9	63.4	70.8	77.6	83.8	89.6	95.0	100.2
PRECIPITATION RATE (MM/H)	2.79	3.23	3.61	3.95	4.27	4.56	4.84	5.10

To calculate irrigation time per day divide to total water amount required by the system's precipitation rate, for example: crop requirement of 5 mm per day will be divided by precipitation rate (based on the working pressure) to obtain the total number of hours required for irrigation.

Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

PRESSURE (BAR)	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
TOTAL FLOW RATE (M3/H) PER EACH DISTRIBUTION LINE (20 MICRO-SPRINKLERS/LINE)	1.10	1.27	1.42	1.55	1.68	1.79	1.90	2.00
TOTAL FLOW RATE (M3/H), HALF HA , IF 8 DISTRIBUTION LINES (20 MICRO-SPRINKLERS/LINE)	8.78	10.14	11.33	12.42	13.41	14.34	15.21	16.03



COOLK 12 120

COOLING SYSTEM

APPLICATIONS

- Livestock (poultry, cattle or other) farm sheds cooling
- Plant crops cooling

SPECIFICATIONS

- Designed for cooling of 12 m x 120 m sized structures.
- Recommended working pressure 4.0 bars, it will work fine also with 3.0 bars but the higher the pressure the more efficient the cooling effect.
- Emitters flow rate: 5.5 l/h per each nozzle – 22.0 l/h per cross body at 4.0 bar pressure.
- Recommended to apply a 2-3 seconds pulse length; interval between pulses according to local weather conditions.

FEATURES AND BENEFITS

- Helps to reduce local ambient temperature.
- Quickly generates fresher climate.
- Reduces dust and particles in the air.
- All products/ parts needed for installation and operation are included.
- Easy to use, assemble and operate.
- Water efficient application.
- Durable emitters for several seasons' performance.

LOGISTIC DATA

- Catalog number: 42000-019000



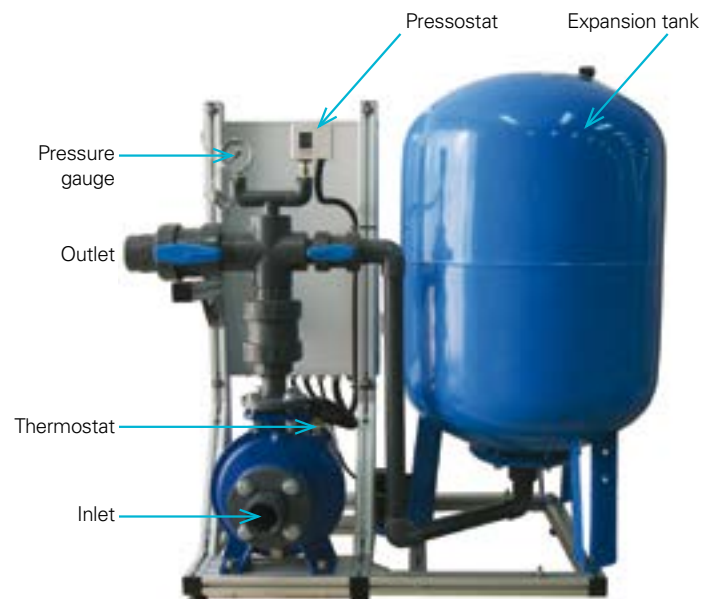
SYSTEM COMPONENTS

COOLK 12 120	42000-019000
DESCRIPTION	UNITS
PE IRRIGATION PIPE 32/6 50M	1
PE IRRIGATION PIPE 16/4 100M	5
COOLPRO 'C' 4X5.5 15CM W/STB BC AD30	160
ELBOW 32*32	2
FEMALE THREAD TEE 32*3/4*32	3
FEMALE THREAD ELBOW 32*3/4	1
MALE TEE 16*3/4*16	4
COUPLING 16*16	6
ELBOW 16*16	8
VALVE 16 * 3/4 MALE	8
NARROW TEFLON	5

Complementary product (not included in this kit)

A relatively small system designed to ensure correct working pressure

- Catalog number: 33300-003800
- Netafim SAP description:
PWS-S-MX3-4HM9-PS-24L1X220V





HEADK 2"

COMPLETE HEAD CONTROL

APPLICATIONS

Drip, Micro-sprinklers, Sprinklers and other irrigation system head.

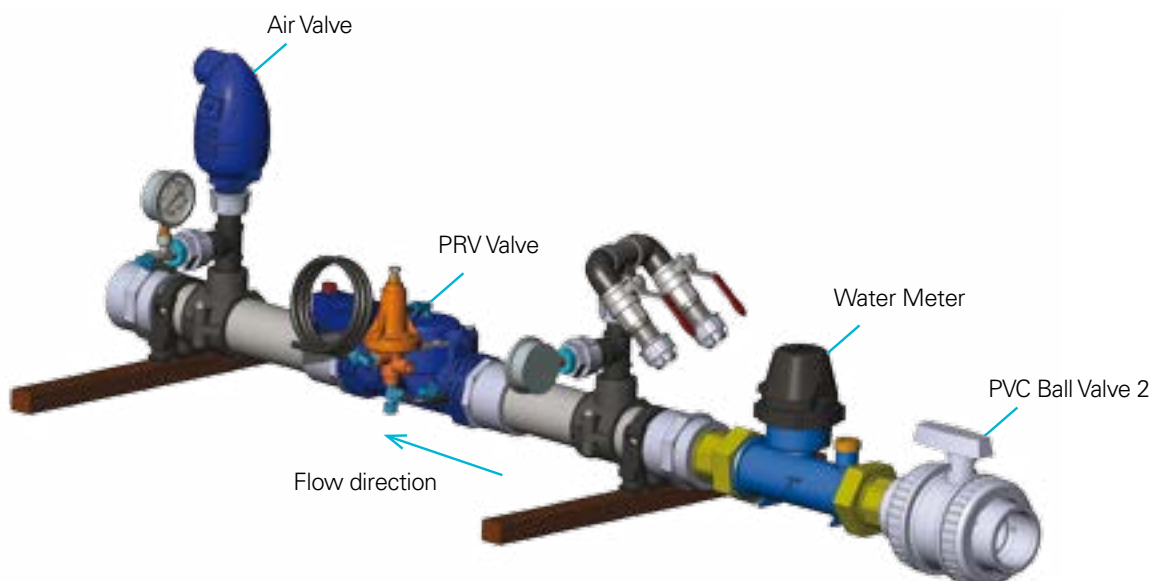
BENEFITS

- All products/parts needed for installation and operation included.
- Easy to use, assemble and operate.
- Suitable for working with any irrigation system conduction and distribution pipes: PE, PVC, metal and with Netafim's flexible pipes (PolyNet™ and FlatNet™) as well thanks to the fast response to working pressure changes.

SPECIFICATION

- Designed to supply up to 15 m³/h
- Fast regulation minimizes the possibility of pressure peaks.
- This head control is suitable for upstream pressures up to 5.0 bar and regulated downstream pressures, according the needs, between 0.3 to 2.0 bar.
- Filtration system is not part of the system head control. Filtration method and micron/mesh size are selected according to the water quality and emitters installed in the field.
- The kit includes a AquaNet™ valve to separate between the filtration system installed at head control inlet, and the other components of the head control.
- Netafim™ product offering includes Nutrigation™ Kit and a dilution tank Kit, both suitable for working with this head control.

BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-016410
- Packaging size: 0.70 x 0.35 x 0.52 meter
- Box weight: 15 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
PVC Ball Valve 2 Catalog number as a spare part: 77400-031100	1	
2" Woltman water meter Catalog number as a spare part: 70240-002550	1	
5D pipe with assembled saddle connector with a 1" threaded outlet Catalog number as a spare part: 43020-021121	2	
Components to assemble 2 service valves on the 5D pipe Catalog number as a spare part: 43020-021355	1	
Netafim™ pressure reduce valve 2" BSP Catalog number as a spare part: 70120-004520	1	
NAVC 10 1" PN10 BSP Catalog number as a spare part: 32600-002000	1	
LP Universal Base Catalog number as a spare part: 43020-022500	3	
Upstream kit Catalog number as a spare part: 43020-028990	1	
Downstream kit Catalog number as a spare part: 43020-029100	1	

The draws are non-uniformly scaled. They are for illustration purposes only.



HEADK 3"

COMPLETE HEAD CONTROL

APPLICATIONS

Drip, Micro-sprinklers, Sprinklers and other irrigation system head.

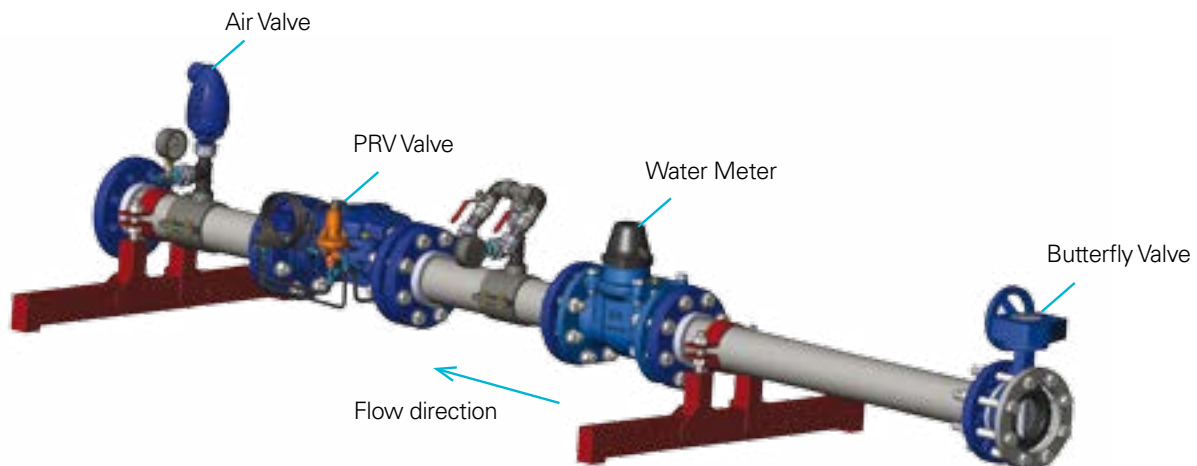
BENEFITS

- All products/parts needed for installation and operation included.
- Easy to use, assemble and operate.
- Suitable for working with any irrigation system conduction and distribution pipes: PE, PVC, metal and with Netafim's flexible pipes (PolyNet™ and FlatNet™) as well thanks to the fast response to working pressure changes.

SPECIFICATION

- Designed to supply up to 70 m³/h
- Fast regulation minimizes the possibility of pressure peaks.
- This head control is suitable for upstream pressures up to 5.0 bar and regulated downstream pressures, according the needs, between 0.3 to 2.0 bar.
- Filtration system is not part of the system head control. Filtration method and micron/mesh size are selected according to the water quality and emitters installed in the field.
- The flanges in this kit meet most of the international standards.
- The kit includes a butterfly valve to separate between the filtration system installed at head control inlet, and the other components of the head control.
- Netafim™ product offering includes Nutrigation™ Kit and a dilution tank Kit, both suitable for working with this head control















BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-016430
- Packaging size: 1.25 x 0.65 x 0.65 meter
- Box weight: 90 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
3" welding flange Catalog number as a spare part: 76500-001500	1	
3" Butterfly valve Catalog number as a spare part: 72200-001700	1	
10D pipe with assembled loose flanges Catalog number as a spare part: 43020-021025	1	
3" IRT water meter Catalog number as a spare part: 70240-005950	1	
Components to assemble 2 service valves on the 5D pipe Catalog number as a spare part: 43020-021355	1	
Netafim™ pressure reduce valve 3" Catalog number as a spare part: 43020-015350	1	
5D pipe with assembled loose flanges and a saddle connector with a 1" threaded outlet Catalog number as a spare part: 43020-021125	2	
NAVC 10 1" PN10 BSP Catalog number as a spare part: 32600-002000	1	
Upstream kit Catalog number as a spare part: 43020-028990	1	
Downstream kit Catalog number as a spare part: 43020-029100	1	
Seal for Flange 3" Catalog number as a spare part: 76520-00100	5	
Bolt 5/8" x 80 mm Bolt 5/8" x 90 mm Bolt 5/8" x 140 mm Nuts 5/8" Thick washer 5/8"	4 28 8 37 76	
Manifold support Catalog number as a spare part: 70040-084890	2	
DBL clamp support 3"-S Catalog number as a spare part: 70040-085000	2	

The draws are non-uniformly scaled. They are for illustration purposes only.



HEADK 4"

COMPLETE HEAD CONTROL

APPLICATIONS

Drip, Micro-sprinklers, Sprinklers and other irrigation system head.

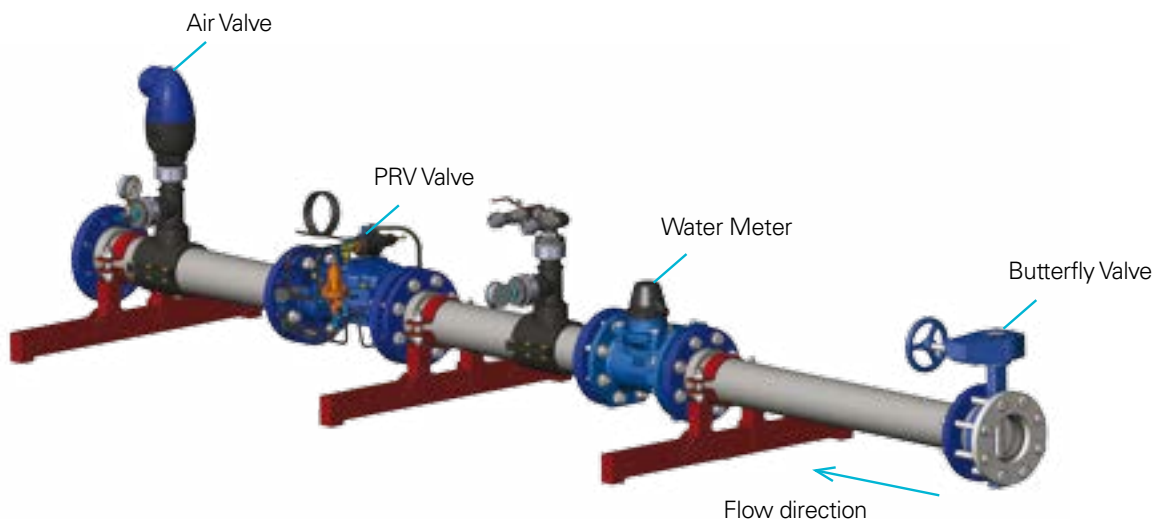
BENEFITS

- All products/parts needed for installation and operation included.
- Easy to use, assemble and operate.
- Suitable for working with any irrigation system conduction and distribution pipes: PE, PVC, metal and with Netafim's flexible pipes (PolyNet™ and FlatNet™) as well thanks to the fast response to working pressure changes.

SPECIFICATION

- Designed to supply up to 120 m³/h
- Fast regulation minimizes the possibility of pressure peaks.
- This head control is suitable for upstream pressures up to 5.0 bar and regulated downstream pressures, according the needs, between 0.3 to 2.0 bar.
- Filtration system is not part of the system head control. Filtration method and micron/mesh size are selected according to the water quality and emitters installed in the field.
- The flanges in this kit meet most of the international standards.
- The kit includes a butterfly valve to separate between the filtration system installed at head control inlet, and the other components of the head control.
- Netafim™ product offering includes Nutrigation™ Kit and a dilution tank Kit, both suitable for working with this head control.















BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-016450
- Packaging size: 1.40 x 0.65 x 0.80 meter
- Box weight: 120 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
4" welding flange Catalog number as a spare part: 76500-001900	1	
4" Butterfly valve Catalog number as a spare part: 72200-001900	1	
10D pipe with assembled loose flanges Catalog number as a spare part: 43020-020965	1	
4" IRT Water meter Catalog number as a spare part: 70240-006090	1	
Components to assemble 2 service valves on the 5D pipe Catalog number as a spare part: 43020-021358	1	
4" PRV valve with quick pilot Catalog number as a spare part: 43020-015272	1	
5D pipe with assembled loose flanges and a saddle connector with a 2" threaded outlet Catalog number as a spare part: 43020-020955	2	
NAVC 10 2" PN10 BSP Catalog number as a spare part: 32600-004000	1	
Upstream kit Catalog number as a spare part: 43020-029000	1	
Downstream kit Catalog number as a spare part: 43020-029200	1	
Seal for flange Catalog number as a spare part: 76520-001200	5	
Bolt 5/8" x 90 mm Bolt 5/8" x 140 mm Nuts 5/8" Thick washer 5/8"	40 8 45 90	
Manifold support Catalog number as a spare part: 70040-084890	3	
DBL clamp support 4"-SS Catalog number as a spare part: 70040-085050	3	

The draws are non-uniformly scaled. They are for illustration purposes only.



HEADK 6"

COMPLETE HEAD CONTROL

APPLICATIONS

Drip, Micro-sprinklers, Sprinklers and other irrigation system head.

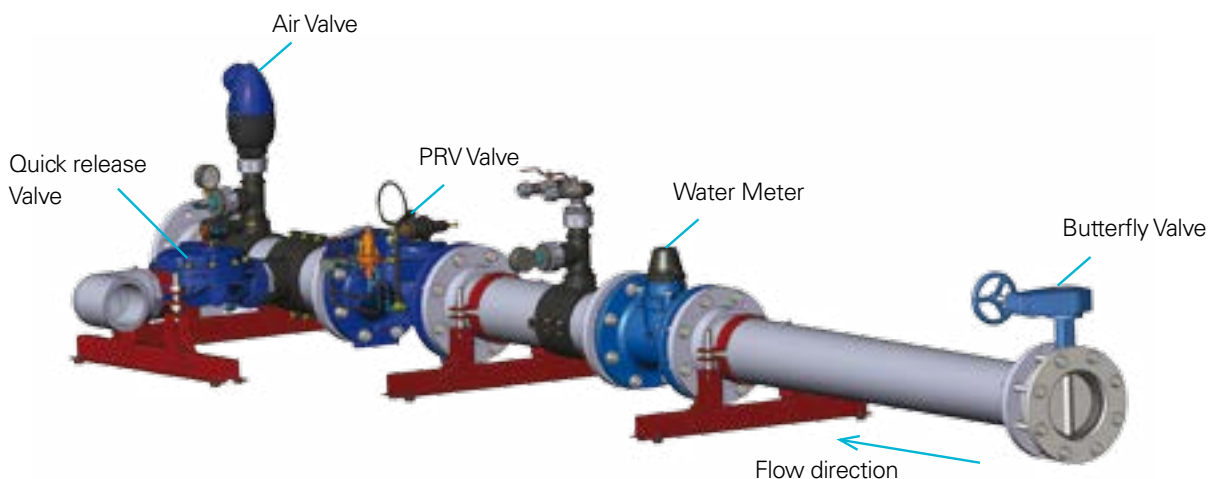
BENEFITS

- All products/parts needed for installation and operation included.
- Easy to use, assemble and operate.
- Suitable for working with any irrigation system conduction and distribution pipes: PE, PVC, metal and with Netafim's flexible pipes (PolyNet™ and FlatNet™) as well thanks to the fast response to working pressure changes.

SPECIFICATION

- Designed to supply up to 300 m³/h
- Fast regulation minimizes the possibility of pressure peaks.
- This head control is suitable for upstream pressures up to 5.0 bar and regulated downstream pressures, according the needs, between 0.3 to 2.0 bar. .
- Filtration system is not part of the system head control. Filtration method and micron/mesh size are selected according to the water quality and emitters installed in the field.
- The flanges in this kit meet most of the international standards.
- The kit includes a butterfly valve to separate between the filtration system installed at head control inlet, and the other components of the head control.
- Netafim™ product offering includes Nutrigation™ Kit and a dilution tank Kit, both suitable for working with this head control.


















BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-016470
- Packaging size: 1.90 x 0.70 x 0.85 meter
- Box weight: 210 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
6" welding flange Catalog number as a spare part: 76500-002320	1	
6" Butterfly valve Catalog number as a spare part: 72200-002100	1	
10D pipe with assembled loose flanges Catalog number as a spare part: 43020-021030	1	
6" IRT Water meter Catalog number as a spare part: 70240-006157	1	
5D pipe with assembled loose flanges and a saddle connector with a 2" threaded outlet Catalog number as a spare part: 43020-021130	1	
Components to assemble 2 service valves on the 5D pipe Catalog number as a spare part: 43020-021358	1	
6" PRV valve with quick pilot Catalog number as a spare part: 43020-015230	1	
PVC pipe with 2 loose flanges and 2 saddles with 2" threaded outlet connectors assembled Catalog number as a spare part: 43020-021311	1	
Components to assemble a quick release hydraulic valve with connection to a Netafim™ flexible pipe QR valve catalog number as a spare part: 43020-015300 Accessories to connect QR valve to head catalog number: 43020-021312	1	
NAVC 10 2" PN10 BSP Catalog number as a spare part: 32600-004000	1	
Upstream kit Catalog number as a spare part: 43020-029000	1	
Downstream kit Catalog number as a spare part: 43020-029200	1	
Seal for flange Catalog number as a spare part: 76520-001300	6	
Bolt 5/8" x 90 mm Bolt 5/8" x 150 mm Nuts 5/8" Thick washer 5/8"	40 8 50 100	
Manifold support Catalog number as a spare part: 70040-084890	4	
DBL clamp support 6"-S Catalog number as a spare part: 70040-085100	3	
DBL clamp support 4"-S Catalog number as a spare part: 70040-085050	1	

The draws are non-uniformly scaled. They are for illustration purposes only.



NUTRIK 10

COMPLETE NUTRIGATION™ KIT

APPLICATIONS

To be used with FDS.

BENEFITS

All products/parts needed for installation and operation included.

Easy to use, assemble and operate.

SPECIFICATION

The kit is designed for assembly on FDS Kits.

PE pipe will be cut close to the water source and then connected to the kit on both its ends.

Flow direction should be noted!









BASIC SYSTEM DESIGN



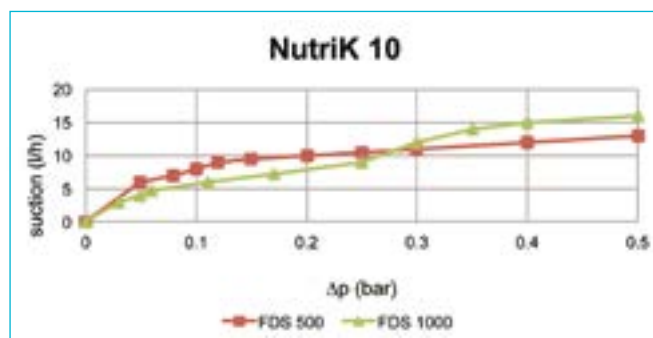
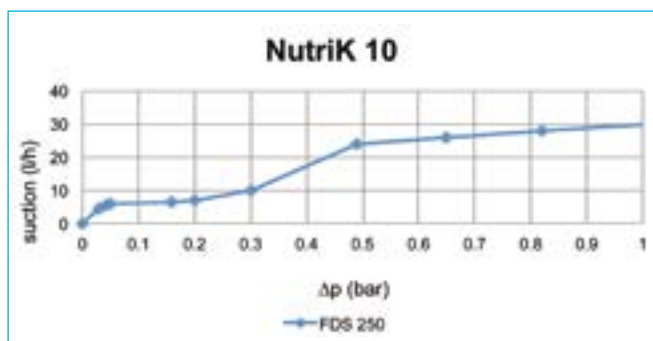
LOGISTIC DATA

- Catalog number: 43020-016303
- Packaging size: 0.28 x 0.28 x 0.57 meter
- Box weight: 2.5 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
VENTURI 484-A 3/4" PVDF/KYNAR Catalog number as a spare part: 77800-003450	1	
ANGLE SEAT VALVE 1" MTH * 1" MTH Catalog number as a spare part: 75070-001400	1	
FDS IN Catalog number as a spare part: 43020-028000	1	
FDS OUT Catalog number as a spare part: 43020-028200	1	
PRESSURE GAUGE 250 4 BAR 1/4" BSP Catalog number as a spare part: 77540-000940	2	
FEMALE CONNECTOR 8 MM * 1/4" Catalog number as a spare part: 76400-002400	1	
FILTER WEIGHT Catalog number as a spare part: 33020-000960	1	
SILVER MALE ADAPTOR 25 MM * 1" Catalog number as a spare part: 75020-004500	2	
TUBE PE 8 MM		

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NUTRIK 20

COMPLETE NUTRIGATION™ KIT

APPLICATIONS

To be used with DripK.

BENEFITS

All products/parts needed for installation and operation included.
Easy to use, assemble and operate.

SPECIFICATION

The kit is designed for assembly on DripK Kits.
PolyNet™ (flexible) pipe will be cut close to the water source and connected to the kit supplied on both its ends.
Flow direction should be noted!

BASIC SYSTEM DESIGN



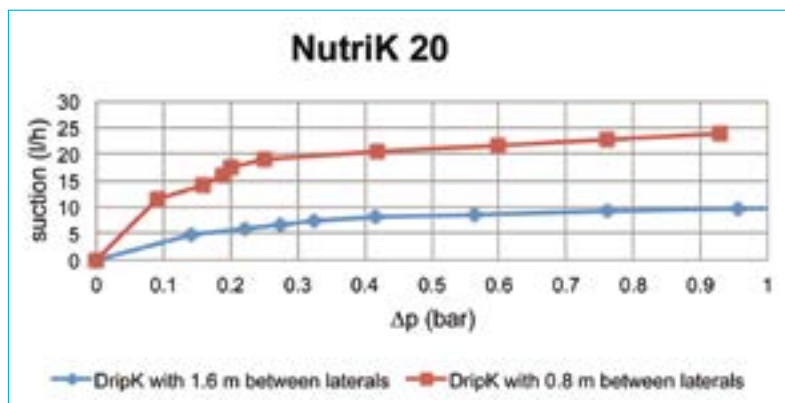
LOGISTIC DATA

- Catalog number: 43020-016304
- Packaging size: 0.28 x 0.28 x 0.57 meter
- Box weight: 3.5 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
VENTURI 484-A 3/4" PVDF/KYNAR Catalog number as a spare part: 77800-003450	1	
ANGLE SEAT VALVE 2" MTH * 2" MTH Catalog number as a spare part: 75070-001600	1	
DRIPK IN Catalog number as a spare part: 43020-028010	1	
DRIPK OUT Catalog number as a spare part: 43020-028210	1	
PRESSURE GAUGE 250 4 BAR 1/4" BSP Catalog number as a spare part: 77540-000940	2	
FEMALE CONNECTOR 8 MM * 1/4" Catalog number as a spare part: 76400-002400	1	
FILTER WEIGHT Catalog number as a spare part: 33020-000960	1	
PLASTIC FEMALE CONN. 2" Catalog number as a spare part: 75050-003700	2	
PLN/FTN BARB 2" X MTH BSP 2" KIT + 1/2" BSP Catalog number as a spare part: 43040-030900	2	
TUBE PE 8 MM		

The draws are non-uniformly scaled. They are for illustration purposes only.





NUTRIK 23

COMPLETE NUTRIGATION™ KIT

APPLICATIONS

To be used with HeadK 2" and HeadK 3".

BENEFITS

All products/parts needed for installation and operation included.
Easy to use, assemble and operate.

SPECIFICATION

The kit is designed for assembly on HeadK controls.



Remove air release valve and service valves from the HeadK control unit.

Assemble the kit and then reassemble the removed components back in place.

BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-016305
- Packaging size: 0.70 x 0.35 x 0.52 meter
- Box weight: 3 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
VENTURI INJECTOR 3/4" 0.9 F Catalog number as a spare part: 33000-001300	1	
3/4" N.C. HYDRAULIC VALVE Catalog number as a spare part: 74480-011100	1	
SWIVEL FITTING TEE 1" F * 1" F * 1" M Catalog number as a spare part: 76200-006700	4	
SILVER FEMALE ADPATOR 20 MM * 3/4" Catalog number as a spare part: 75020-005600	2	
SWIVEL FITTING ELBOW 1" F * 1" M Catalog number as a spare part: 76200-007000	1	
PLASTIC REDUCTION NIPPLE 1" * 3/4" Catalog number as a spare part: 78220-007800	1	
MALE BRANCH TEE 8 MM * 1/4" Catalog number as a spare part: 76400-004500	1	
PRESSURE GAUGE 250 GLZ 2.5 BAR 1/4" BSP Catalog number as a spare part: 77540-003250	1	
BUSHING 1/4" F * 3/4" M Catalog number as a spare part: 76400-009600	2	
VALVE S.Y:3 1/4" F (1/8" F * 1/8" F * 1/4" M) Catalog number as a spare part: 76040-001400	1	
PLASTIC BUSHING 1" M * 3/4" F Catalog number as a spare part: 78220-004600	1	
PLASTIC BUSHING 1" M * 3/4" F Catalog number as a spare part: 78220-004600	1	
MALE ELBOW 8 MM * 1/4" M Catalog number as a spare part: 76400-003500	1	
TUBE PE 8 MM		

PERFORMANCE DATA

PRESSURE AT THE INJECTOR INLET (BAR)	PRESSURE AT THE INJECTOR OUTLET (BAR)	SUCTION FLOW* (L/H)
1.4	0.3	215
	0.7	121
2.8	0.7	176
	1.4	162
4.2	1.4	162
	2.4	99

* With a 12 mm suction pipe





NUTRIK 46

COMPLETE NUTRIGATION™ KIT

APPLICATIONS

To be used with HeadK 4" and HeadK 6"

BENEFITS

All products/parts needed for installation and operation included.
Easy to use, assemble and operate.

SPECIFICATION

The kit is designed for assembly on HeadK controls.



Remove air release valve and service valves from the HeadK control unit.
Assemble the kit and then reassemble the removed components back in place.



BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-016320
- Packaging size: 0.70 x 0.35 x 0.52 meter
- Box weight: 8 Kg

SYSTEM COMPONENTS

DESCRIPTION	UNITS	PICTURE
VENTURI INJECTOR D 2" x 12 Catalog number as a spare part: 33000-001400	1	
3/4" N.C. HYDRAULIC VALVE Catalog number as a spare part: 774480-011100	1	
SWIVEL FITTING TEE 2" F * 2" F * 2" M Catalog number as a spare part: 76200-006760	4	
PLASTIC BALL VALVE 2" FF FD4 Catalog number as a spare part: 76600-005550	1	
SILVER MALE ADAPTOR 50 MM * 2" Catalog number as a spare part: 75020-005200	2	
BUSHING 1/4" F * 3/4" M Catalog number as a spare part: 76400-009600	2	
MALE BRANCH TEE 8 MM * 1/8" Catalog number as a spare part: 76400-004400	1	
PRESSURE GAUGE 250 GLZ 4 BAR 1/4" BSP Catalog number as a spare part: 77540-003300	1	
VALVE S.Y3 1/4" F (1/8" F * 1/8" F * 1/4" M) Catalog number as a spare part: 76040-001400	1	
PLASTIC BUSHING 2" M * 3/4" F Catalog number as a spare part: 78220-005500	1	
PLASTIC BUSHING 2" M * 3/4" F Catalog number as a spare part: 78220-005500	1	
MALE ELBOW 8 MM * 1/4" M Catalog number as a spare part: 76400-003500	1	
PLASTIC NIPPLE 2" M * 2" M Catalog number as a spare part: 78220-007600	2	
PLASTIC FEMALE COUPLER 3/4" Catalog number as a spare part: 78220-001100	1	
PE IRRIGATION PIPE 20/4 25 M		
TUBE PE 8 MM		

PERFORMANCE DATA

PRESSURE AT THE INJECTOR INLET (BAR)	PRESSURE AT THE INJECTOR OUTLET (BAR)	SUCTION FLOW* (L/H)
1.4	0.3	1953
	0.7	1351
2.8	0.7	1821
	1.4	1856
4.2	1.4	1792
	2.4	1782

* With a 25 mm suction pipe





NUTRIK DILUTION TANK

COMPLETE NUTRIENT DILUTION KIT

APPLICATIONS

To be used with HeadK.

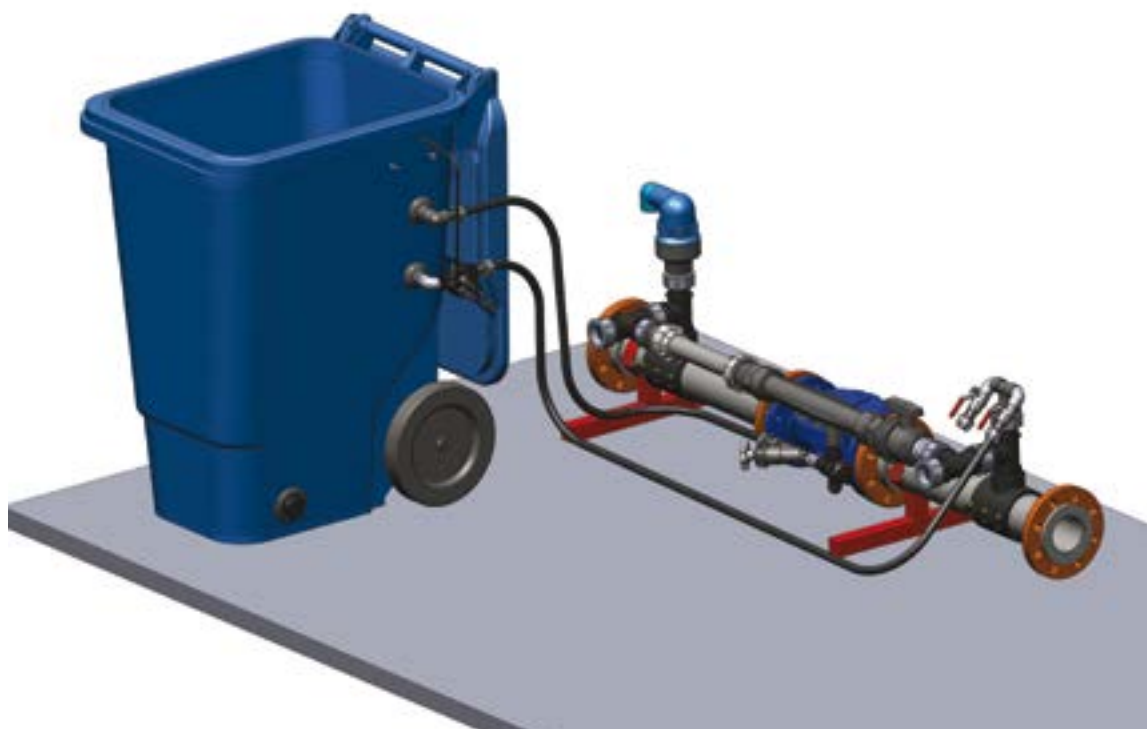
BENEFITS

All products/ parts needed for installation and operation included.
Easy to use, assemble and operate.

SPECIFICATION

- The kit is designed for assembly on irrigation heads.
- Helps dissolve the fertilizers continuously.
- Pumps water flowing in the system, dilutes with fertilizers and drives the solution back into the system.
- Large opening simplifies solid fertilizer application into the dilution tank.
- Tank inlet connected to one of the service valves on the head control and outlet to the Venturi pump connection.

BASIC SYSTEM DESIGN



LOGISTIC DATA

- Catalog number: 43020-024000
- Packaging size: 0.60 x 0.90 x 1.10 meter
- Weight: 28 Kg

SYSTEM COMPONENTS

DESCRIPTION	PICTURE
CONTAINER+PENETRATION SEAL F/DISSOLNUT Catalog number as a spare part: 43020-024100	
FILLING TAP KIT F/DISSOLNUT Catalog number as a spare part: 43020-024200	
FERTILIZE SUCTION KIT F/DISSOLNUT Catalog number as a spare part: 43020-024300	
DRAINAGE KIT F/DISSOLNUT Catalog number as a spare part: 43020-024400	
FLOAT KIT F/DISSOLNUT Catalog number as a spare part: 43020-024500	

The draws are non-uniformly scaled. They are for illustration purposes only.



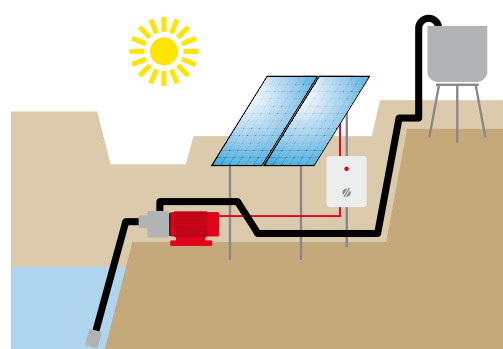
SOLAR PUMP SYSTEM

COMPREHENSIVE, GREEN SOLUTION FOR VARIOUS SIZED PLOTS

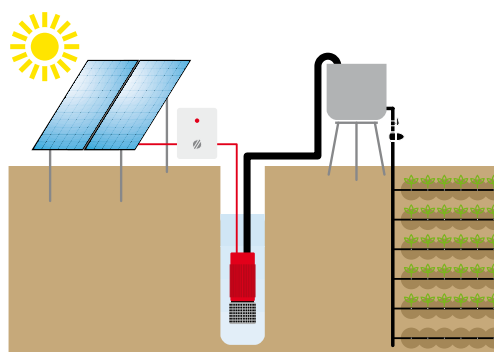
OVERVIEW

Netafim™ offers an innovative solar pump system for irrigating, and supplying water to, areas where electricity is unavailable. An all-in-one solution featuring a solar panel, controller and pump, the high-quality system is easy to install, operate and maintain. Highly efficient and durable, the environmentally-friendly solution requires no external energy source, thereby lowering operating costs.

Comprised of a submersed pump or surface pump, for use with shallow water sources, the system is powered by either a suction or surface pump motor. Available in several models equipped with pumps featuring diverse flow rates and pressures, the solution covers various sized plots, and can be customized via software to meet specific customer needs. Transferring water from an on-site well or reservoir or from an adjacent river, the system either directly irrigates the grower's plot, or fills a high tank from which water for various usages is distributed by gravity.



Surface Pump



Submersed Pump

HIGHLIGHTS

- Fuel-and electricity-free system
- Comprehensive all-in-one kit
- Easy installation, operation and maintenance
- Expert Netafim guidance and support, if required
- Broad coverage across various sized plots
- Environmentally-friendly solution

COMPONENTS

- Solar panel
- Controller
- Pump

FEATURES AND CAPABILITIES

- Integrated maximum power point tracking (MPPT) for increased efficiency
- Direct pump-to-controller connection for elimination of energy waste
- Pump dry-run protection float
- DripKit™ drip irrigation system compatibility

BENEFITS

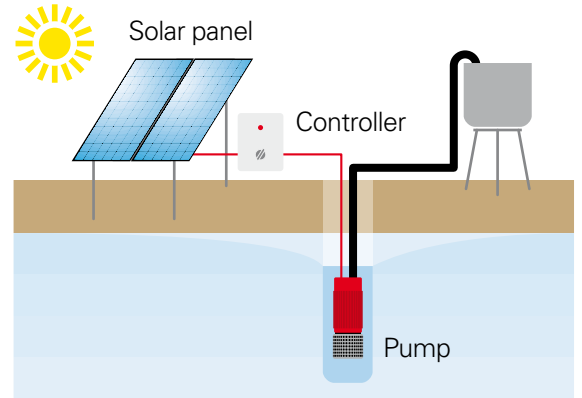
- Higher efficiency
- Enhanced durability
- Environmentally friendly
- Limited energy costs

SAMPLE MODELS

Netafim's solar pump comes in several models that are equipped with pumps featuring diverse flow rates and pressures, and are suitable for various sized plots. Below is a sample list of available models.

PRODUCT EXAMPLES

	SYSTEM A	SYSTEM B	SYSTEM C	SYSTEM D
Head	5 m (16 ft)	8 m (26 ft)	15 m (50 ft)	35 m (115 ft)
Clear Day – Daily Flow	~10 m ³ /day (2,640 gal/day)	~15 m ³ /day (4,000 gal/day)	~30 m ³ /day (8,000 gal/day)	~84 m ³ /day (22,000 gal/day)
Maximum Flow	1.0 m ³ /hr (264 gal/hr)	1.9 m ³ /hr (500 gal/hr)	3.7 m ³ /hr (1,000 gal/hr)	10 m ³ /hr (2,600 gal/hr)
Solar Panel	150 Wp	160 Wp	480 Wp	3,200 Wp
Pump	Surface	Submerged	Submerged	Submerged
Plot Size	0.1-0.2 ha 1000-2000 m ² 0.25-0.5 acre	0.2-0.4 ha 2000-4000 m ² 0.5-1 acre	0.4-0.8 ha 4000-8000 m ² 1-2 acres	1-2 ha 10000-20000 m ² 2-5 acres





PWS

COMPACT, USER-FRIENDLY PRESSURE BOOSTING SYSTEM

OVERVIEW

Netafim™ offers Pressure Water System (PWS), a comprehensive, user-friendly pressure boosting system for poultry house and greenhouse cooling, as well as for open-field, and other irrigation applications. Available in three models according to flow-rate level, PWS always ensures the desired water line pressure based on real-time in-field requirements. Designed with an aluminum frame that houses a pump and several modular components, the compact, cost-effective PWS significantly reduces installation time and cost.

HIGHLIGHTS

- Real-time pressure boosting support system
- Multi-pressure, multi-flow rate coverage
- Plug-and-play installation
- Cost-effective solution

COMPONENTS

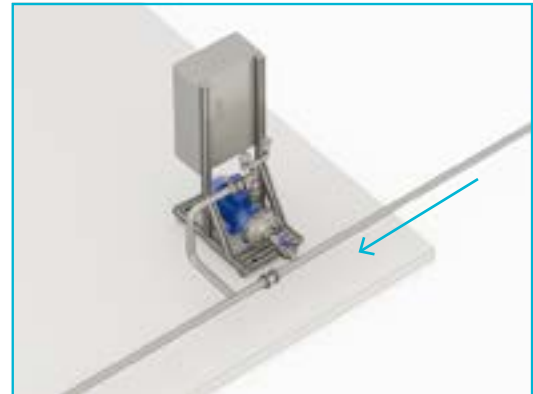
- PWS is available in several models, each equipped with a pump covering a specific range of pressures and flow rates. The comprehensive PWS system is comprised of several modular components that fit on an aluminum frame:
- Expansion tank (up to 200 liters)
 - pressostat
 - thermostat
 - pressure gauge
- Electric switchboard with two optional float switches for high- and low level internal-tank protection (can receive command from AC and DC irrigation controller)
- Optional filter, float switch and pressure release valve

FEATURES AND CAPABILITIES

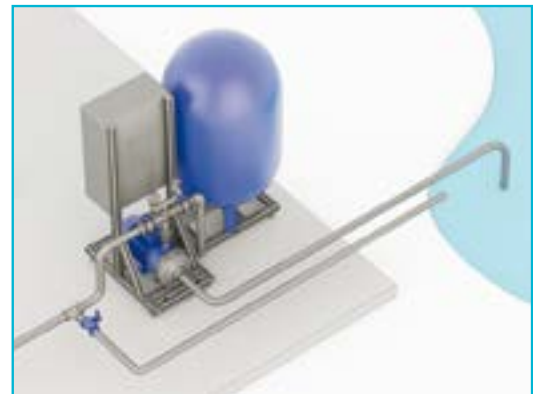
- Pressure sensor
- Pressure increase to range of 30-55 meters
- Flow rate range: up to 3 m³/hr; 24 m³/hr; 45 m³/hr
- Pressure control options (starting trigger):
 - pressure switch
 - VFD
 - irrigation controller command
 - manual start

BENEFITS

- Faster installation time
- Lower capital expenses



Water source: Mainline/municipal line

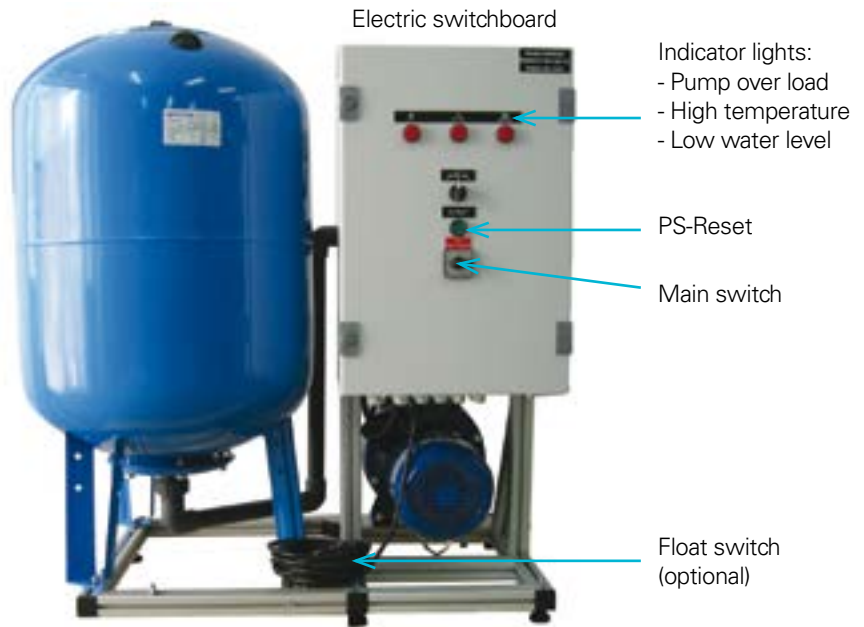


Water source: Reservoir



Water source: Water tank

PWS FRONT VIEW



PWS BACK VIEW





COLLAPSIBLE PORTABLE TANK

STORAGE AND OPERATION TANK

APPLICATIONS

Water source for irrigation systems on farms.

BENEFITS

- Economical and easy to install.
- The tanks are collapsible and thus easy to handle, transport and store.
- The tanks interface with all micro-irrigation systems and can be used for nutrient application.

SPECIFICATIONS

- Flat level compacted base should be prepared.
- Base diameter should be slightly wider than that of the water tank.
- No tools are needed for tank installation.



LOGISTIC DATA

CATALOG NUMBER	TANK CAPACITY (LITER)	TANK DIAMETER (METER)	TANK HEIGHT (METER)
77600-001750	200	0.60	0.70
77600-002430	600	0.98	0.80
77600-002480	1000	1.20	0.90
77600-003480	2000	1.70	0.90

PACKAGING DATA

CATALOG NUMBER	BOX SIZE (METER)	BOX AVERAGE WEIGHT (KG)	MASTER PACK (UNITS)	MASTER PACK SIZE (METER)	MASTER PACK WEIGHT (KG)	UNITS PER 20 FT CONTAINER
77600-001750	0.70 x 0.16 x 0.20	2.4	6	0.75 x 0.43 x 0.50	15	1050
77600-002430	0.80 x 0.16 x 0.20	4.4	6	0.83 x 0.64 x 0.35	28	992
77600-002480	0.98 x 0.26 x 0.20	8.4	4	0.99 x 0.52 x 0.39	34	516
77600-003480	0.98 x 0.40 x 0.20	10.5	N/A	N/A	N/A	220

