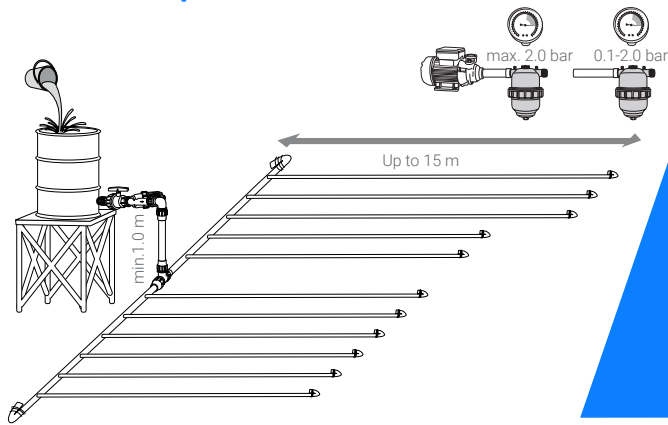


FDS 500

DRIP IRRIGATION SYSTEM UP TO 500 M²

Irrigation of all vegetable types
or row crops.



All in one



High performance



Simple and fast

/ Benefits & Features

- **All in one** Single kit that includes all the required products to designed for irrigation up to 500 m² with 1.0 m driplines spacing.
- **High performance** Integrating durable drippers for several seasons' performance, driplines wall thickness allows multi-seasonal use (layout and retrieval).
Netafim™ drippers are manufactured at the highest levels of quality and in compliance with ISO 9261 International Standard.
- **Simple and fast** All the products, parts and accessories required for installation and operation are include in the kit together with simple assembly instructions.

/ Specifications

- ✓ Designed for irrigation up to 500 m² with 1.0 m dripline 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.
- ✓ 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).
- ✓ Different possible field installation designs can be seen in the user manual attached to each kit.
- ✓ 16 kits p/pallet, pallet size: 1.14 x 1.14 x 2.10 m, average pallet weight: 323 kg.
1 box/kit, box size: 0.56 x 0.56 x 0.46 m, average box weight: 19.4 kg.

→ **FDS 500 • Complete kit catalog number: 42000- 001200**

System components	Components	Catalog number as a spare part	Units
Driplines and connectors	Microdrip 8 2.00 l/h 0.30 m 250 m OCC	18500-000810	2
	Press Fit-Female Start Conn. 4x6.5 Brown	32500-040100	40
	Press Fit-Male Conn. F/Micro Tube 8 mm Brown	32500-040000	40
	Barb Coupling Brown Conn. 8 mm	32500-002000	40
	Press Fit-Male Plug	63000-002400	10
	End Line Microdrip 8 mm 20/Bag	32500-002040	2
Distribution pipe and connectors	PE IRR Pipe 25/4 25 m FDS	40500-005520	2
	Nut Lock Fitt. End Line 25 mm	76200-005300	2
	Nut Lock Coupling 25*25	76200-001300	2
	Mini Punch 3.5	45000-001350	1
Complete head aontrol	Tank Outlet 1" Butzi PP	75070-004650	1
	Plastic Female Coupler 1"	78220-001200	1
	Plastic Nipple 1" * 1"	78220-007400	1
	NMV PVC Ball VLV 1 Union 1" FFT BSP	77450-000101	3
	Filter 1" BSP 120 mesh BRWN L	76240-001100	1
	Tee Swivel Female 1"M * 1"F * 1"M	76200-006150	1
	Nut Lock Fitt. Elbow 25*1" Male	76200-003200	2
	Nut Lock Fitt. Elbow 25*25	76200-002400	2
Narrow Teflon	45000-003400	2	

→ **FDS Connectors bag (spare parts) catalog number: 42000- 003500**

Components	Units
Barb-F Conn. Brown	20
Barb-M Conn. Brown F/Micro Tube 8 mm	20
Barb Coupling Brown Conn. 8 mm	20
Press Fit-Male Plug	5

→ **Technical data**

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripline 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 dripline 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.

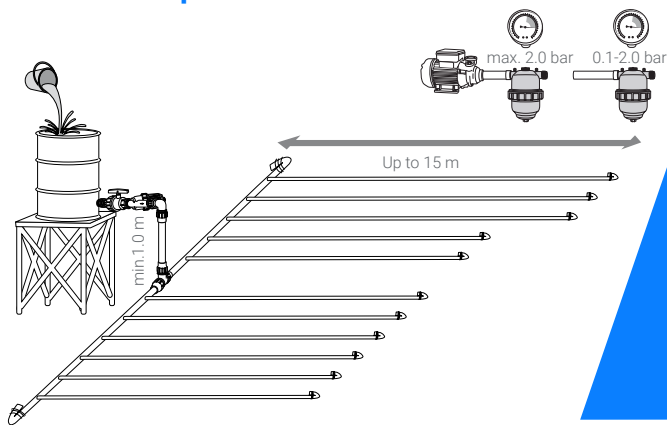
Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

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 (m³/h) when all 500 m 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 (m³/h) when 250 m dripline 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 250

DRIP IRRIGATION SYSTEM UP TO 250 M²

Irrigation of all vegetable types
or row crops.



All in one



High performance



Simple and fast

/ Benefits & Features

- **All in one** Single kit that includes all the required products to designed for irrigation up to 250 m² with 1.0 m driplines spacing.
- **High performance** Integrating durable drippers for several seasons' performance, driplines wall thickness allows multi-seasonal use (layout and retrieval).
Netafim™ drippers are manufactured at the highest levels of quality and in compliance with ISO 9261 International Standard.
- **Simple and fast** All the products, parts and accessories required for installation and operation are include in the kit together with simple assembly instructions.

/ Specifications

- ✓ Designed for irrigation up to 250 m² with 1.0 m dripline 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.
- ✓ 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).
- ✓ Different possible field installation designs can be seen in the user manual attached to each kit.
- ✓ 32 kits p/pallet, pallet size: 1.14 x 1.14 x 2.17 m, average pallet weight: 323 kg.
1 box/kit, box size: 0.54 x 0.54 x 0.25 m, average box weight: 9.7 kg.

→ **FDS 250 • Complete kit catalog number: 42000- 003100**

System components	Components	Catalog number as a spare part	Units
Driplines and connectors	Microdrip 8 2.00 l/h 0.30 m 250 m OCC	18500-000810	1
	Press Fit-Female Start Conn. 4x6.5 Brown	32500-040100	20
	Press Fit-Male Conn. F/Micro Tube 8 mm Brown	32500-040000	20
	Barb Coupling Brown Conn. 8 mm	32500-002000	20
	Press Fit-Male Plug	63000-002400	5
	End Line Microdrip 8 mm 20/Bag	32500-002040	1
Distribution pipe and connectors	PE IRR Pipe 25/4 25 m FDS	40500-005520	1
	Nut Lock Fitt. End Line 25 mm	76200-005300	2
	Nut Lock Coupling 25*25	76200-001300	2
	Mini Punch 3.5	45000-001350	1
Complete head Control	Tank Outlet 1" Butzi PP	75070-004650	1
	Plastic Female Coupler 1"	78220-001200	1
	Plastic Nipple 1" * 1"	78220-007400	1
	NMV PVC Ball VLV 1 Union 1" FFT BSP	77450-000101	3
	Filter 1" BSP 120 mesh BRWN L	76240-001100	1
	Tee Swivel Female 1"M * 1"F * 1"M	76200-006150	1
	Nut Lock Fitt. Elbow 25*1" Male	76200-003200	2
	Nut Lock Fitt. Elbow 25*25	76200-002400	2
Narrow Teflon	45000-003400	2	

→ **FDS Connectors bag (spare parts) catalog number: 42000- 003500**

Components	Units
Barb-F Conn. Brown	20
Barb-M Conn. Brown F/Micro Tube 8 mm	20
Barb Coupling Brown Conn. 8 mm	20
Press Fit-Male Plug	5

→ **Technical data**

Dripper hourly flow rate respective to working pressures and precipitation rates according to dripper and dripline 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 dripline 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.

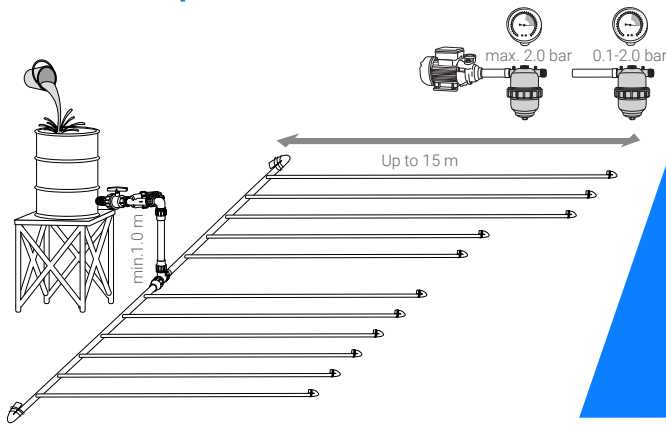
Hourly water amount respective to working pressures when the whole system is operated simultaneously or when the system is operated in two halves:

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 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
Flow rate 1/2 area (m ³ /h) when 125 m dripline will be used	0.27	0.38	0.53	0.65	0.75	0.84	0.91	0.98	1.05	1.11	1.17

FDS 1000

DRIP IRRIGATION SYSTEM UP TO 1000 M²

Irrigation of all vegetable types
or row crops.



All in one



High performance



Simple and fast

/ Benefits & Features

- **All in one** Single kit that includes all the required products to designed for irrigation up to 1000 m² with 1.0 m driplines spacing.
- **High performance** Integrating durable drippers for several seasons' performance, driplines wall thickness allows multi-seasonal use (layout and retrieval).
Netafim™ drippers are manufactured at the highest levels of quality and in compliance with ISO 9261 International Standard.
- **Simple and fast** All the products, parts and accessories required for installation and operation are include in the kit together with simple assembly instructions.

/ Specifications

- ✓ Designed for irrigation up to 1000 m² with 1.0 m dripline 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.
- ✓ 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).
- ✓ Different possible field installation designs can be seen in the user manual attached to each kit.
- ✓ 4 kits p/pallet, pallet size: 1.14 x 1.14 x 1.20 m, average pallet weight: 142 kg.
1 box/kit, box size: 1.14 x 0.57 x 0.46 m, average box weight: 32.0 kg.

→ **FDS 1000 • Complete kit catalog number: 42000- 001250**

System components	Components	Catalog number as a spare part	Units
Driplines and connectors	Microdrip 8 2.00 l/h 0.30 m 250 m OCC	18500-000810	4
	Press Fit-Female Start Conn. 4x6.5 Brown	32500-040100	80
	Press Fit-Male Conn. F/Micro Tube 8 mm Brown	32500-040000	80
	Barb Coupling Brown Conn. 8 mm	32500-002000	80
	Press Fit-Male Plug	63000-002400	20
	End Line Microdrip 8 mm 20/Bag	32500-002040	4
Distribution pipe and connectors	PE IRR Pipe 25/4 25 m FDS	40500-005520	3
	Nut Lock Fitt. End Line 25 mm	76200-005300	2
	Nut Lock Coupling 25*25	76200-001300	2
	Mini Punch 3.5	45000-001350	1
Complete head control	Tank Outlet 1" Butzi PP	75070-004650	1
	Plastic Female Coupler 1"	78220-001200	1
	Plastic Nipple 1" * 1"	78220-007400	1
	NMV PVC Ball VLV 1 Union 1" FFT BSP	77450-000101	3
	Filter 1" BSP 120 mesh BRWN L	76240-001100	1
	Tee Swivel Female 1"M * 1"F * 1"M	76200-006150	1
	Nut Lock Fitt. Elbow 25*1" Male	76200-003200	2
	Nut Lock Fitt. Elbow 25*25	76200-002400	2
Narrow Teflon	45000-003400	2	

→ **FDS Connectors bag (spare parts) catalog number: 42000- 003500**

Components	Units
Barb-F Conn. Brown	20
Barb-M Conn. Brown F/Micro Tube 8 mm	20
Barb Coupling Brown Conn. 8 mm	20
Press Fit-Male Plug	5

→ **Technical data**

Dripper hourly rate respective to working pressures and precipitation rates according to dripper and dripline 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 dripline 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 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 dripline 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