

N-Drip system overview

N-Drip is the first and only micro-irrigation solution to be powered by gravity force alone. With no external energy source and no pressure-based water filtration required, this disruptive technology enables farmers to produce higher yields, while optimizing water management and use of fertilizers, all at a lower conversion cost, making it the ultimate alternative to flood irrigation.

Applications

- Any size and shape of levelled field
- All annual crops (field crops and vegetables)
- Crop germination on most soil types

System components

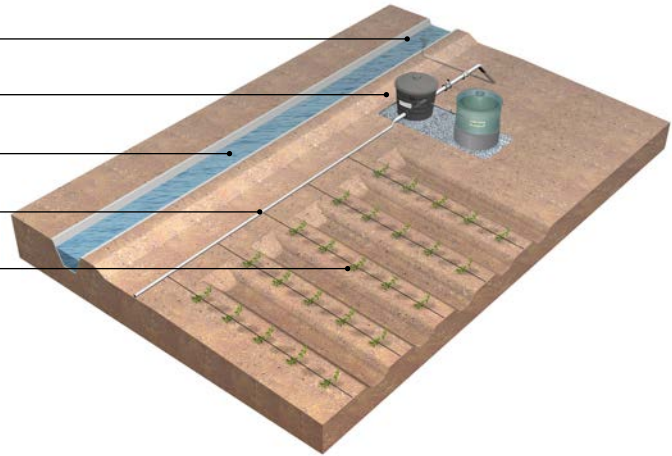
Intake point

Control head water tank

System water source (canal / well / hydrant)

Sub-main

Laterals



Irrigation control head components

Main valve

Water meter

Control head water tank

Float valve

Fertigation valve

Fertigation tank

Sub-main



The diagrams above are for illustrative purposes only. Specific data for each project will be determined by the relevant hydraulic design and field conditions.

Technical data

	Operational Pressure at System Head	Lateral Diameter	Max. Lateral Length*	Recommended Field Slope*
N-Dripper 22	20" / 50 cm	0.87" / 22 mm	800 ft / 250 m	0.02%-4%
N-Dripper 44	20" / 50 cm	1.73" / 44 mm	1,950 ft / 600 m	0%-2%

* According to installation as per specific design and subject to water pressure of minimum 0.73 psi / 0.05 bar.

* Specific design may include a change in laterals direction.

* Emitters spacing on laterals varies according to crop, soil and design specifics.

For additional information, please contact us:

USA office: Toll free 833-NDRIPUS | 747.242.1555 • Australia office: 07.4000.8089 | 0477.776.776
www.ndrip.com

N-Dripper

Innovative and IP protected, the N-Dripper has been designed to provide efficient drip irrigation, without the need for costly external energy and without the use of pressurized water filtration. All components (emitters & laterals) are PE made, enabling 100% recycling after use.



Technical data

Deployed in shallow depth (2-4" / 5-10 cm deep)

Product	External Diameter	Internal Diameter	Emitter Flow Rate *	Operational Pressure at System Head	Nominal Wall Thickness
N-Dripper 22	0.87" / 22 mm (7/8)	0.85" / 21.6 mm	0.39 GPH / 1.5 L/H	20" / 50 cm	9 mil / 0.23 mm
N-Dripper 44	1.73" / 44 mm	1.71" / 43.6 mm	0.39 GPH / 1.5 L/H	20" / 50 cm	9 mil / 0.23 mm
Blank Pipe 22	0.87" / 22 mm (7/8)	0.85" / 21.6 mm	NA	NA	9 mil / 0.23 mm
Blank Pipe 44	1.73" / 44 mm	1.71" / 43.6 mm	NA	NA	9 mil / 0.23 mm

* According to installation as per specific design and subject to water pressure of minimum 0.73 psi / 0.05 bar. Approved performance for one season.

Packaging data

Product	Roll Weight	Roll Length	Roll Diameter	Roll Height	Roll Core Width
N-Dripper 22	42 lb / 19 kg	3,280 ft / 1000 m	21.7" / 550 mm	9.8" / 250 mm	1.57" / 40 mm
N-Dripper 44	62 lb / 28 kg	2,620 ft / 800 m	21.7" / 550 mm	9.8" / 250 mm	1.57" / 40 mm
Blank Pipe 22	38 lb / 17 kg	3,280 ft / 1000 m	21.7" / 550 mm	9.8" / 250 mm	1.57" / 40 mm
Blank Pipe 44	58 lb / 26 kg	2,620 ft / 800 m	21.7" / 550 mm	9.8" / 250 mm	1.57" / 40 mm

Note:

20 ft container - 12 pallets
40 ft container - 24 pallets
Each pallet - 32 rolls max.



Accessories:



Start connector



Allen driver



Puncture



Coupling



T connector



Piezometer

For additional information, please contact us:

USA office: Toll free 833-NDRIPUS | 747.242.1555 • Australia office: 07.4000.8089 | 0477.776.776
www.ndrip.com