



Nile Drip Company

For Modern Irrigation Technology

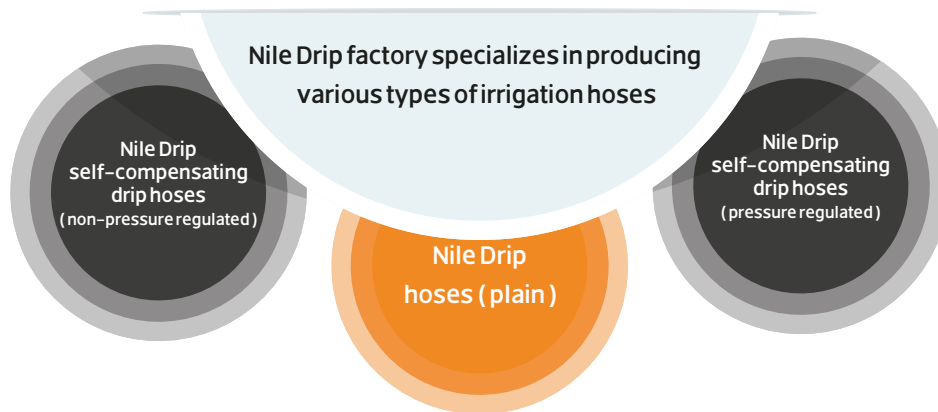
🌐 NILED RIP.COM



Nile Drip Company

For Modern Irrigation Technology

- Established in 2004 as one of the companies of the Sons of Mohamed El-Sayed Commercial Group, Nile Drip was founded to develop a high-quality national industry capable of competing with global products in the field of modern irrigation systems. The company specializes in manufacturing drip irrigation hoses in various diameters, ranging from 8 mm to 75 mm, as well
- as high-efficiency self-compensating drip hoses. Nile Drip is committed to maintaining the highest quality standards in raw materials and manufacturing technologies, while continuously developing its products to keep pace with advancements in the field of modern irrigation.



- Nile Drip factory always ensures adherence to quality standards to compete with the best global products.
- The hoses are manufactured using 100% pure raw materials to achieve our customers' goals by providing the longest possible warranty period.
- Additionally, we prioritize the use of high-quality additives to protect the hoses from UV radiation damage.
- Nile Drip hoses are manufactured using the latest global technology to ensure high efficiency and quality products.
- All products undergo testing within the company's laboratories using state-of-the-art testing equipment before being released to the market to ensure quality and operational efficiency.
- The company is dedicated to serving its customers by conducting necessary studies for projects and designing irrigation networks by a team of top consultants in the field.
- We also ensure continuous customer engagement through exhibitions and seminars to introduce the latest advancements in modern irrigation technology.
- Furthermore, we are committed to continuous communication with all our customers, welcoming their feedback and providing after-sales services to assist in solving any problems that may negatively affect the hoses' performance, such as filtration issues, pressure problems, or production issues.
- Nile Drip factory collaborates with leading global companies to update and develop production tools to keep pace with global advancements in this field.

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Nile Drip Black Hoses

- Production of hoses starts from a diameter of 16 mm up to 75 mm. Hoses with diameters of 16 mm, 18 mm, and 20 mm are made
- of 100% pure raw materials in accordance with international standards.
- The hose is treated with UV material, providing it with the ability to withstand weather conditions, especially UV rays, which negatively affect the hose's lifespan.
- The hose functions as a sub-line in drip irrigation networks.
- Additionally, the hose is used in agricultural fields and nurseries.



Nile Drip HDPE Pipes

- Diameters range from 25 mm up to 75 mm.
- The pipes are manufactured from high-density polyethylene (HDPE), known for its resistance to chemicals.
- They are used in drinking water and irrigation pipelines.
- The hose is characterized by its high flexibility, making it easy to use and install.
- Moreover, it can be used underground, as it withstands soil pressure.



Diameter	SDR26 - PN6		SDR17 - PN10		SDR11 - PN16	
	Wall Thickness (mm)	Weight Kg / m	Wall Thickness (mm)	Weight Kg / m	Wall Thickness (mm)	Weight Kg / m
20					2.0	0.112
25					2.3	0.171
32			2.0	0.187	3.0	0.272
40			2.4	0.295	3.7	0.430
50	2.0	0.314	3.0	0.453	4.6	0.666
63	2.5	0.494	3.8	0.721	5.8	1.050
75	2.9	0.675	4.5	1.020	6.8	1.470
90	3.5	0.978	5.4	1.460	8.2	2.120
110	4.2	1.430	6.6	2.170	10	3.140

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Nile Drip Non-Pressure Compensating (Non-PC)

- The company produces drip hoses with diameters of 16 mm, 18 mm, and 20 mm.
- The hoses are manufactured from 100% pure polyethylene.
- They are treated with UV material to provide resistance against weather conditions, especially UV rays, which negatively affect the hose's lifespan.
- The drippers are available with discharge rates of 2, 4, 5, 6, and 8 liters per hour to meet the needs of all customers according to crop types and each plant's water requirement.
- Dripper points inside the hose are installed at different intervals ranging from 20 cm to 100 cm according to the customer's needs.
- The drippers used inside the hoses are manufactured according to the latest American technology for Non-PC drip, registered in the Arab Republic of Egypt under number 34684 as a product of Nile Drip Company.



IN LINE DRIPPER 16mm

Diameter (mm) / Flow rate	16 - 2 L/h					16 - 4 L/h				
	Spacing Between Emitters (m)									
	Lateral Length (m)	0.3	0.33	0.5	0.75	1	0.3	0.33	0.5	0.75
	55	60	80	100	120	35	40	50	70	85

Diameter (mm) / Flow rate	16 - 2 L/h					16 - 4 L/h				
	Operation Pressure (Bar)									
Act. Flow	0.8	1	1.5	2	3	0.8	1	1.5	2	3
Rate (L/h)	1.9	2	2.2	2.6	2.9	3.9	4	4.4	4.6	4.9

♦ Recommended Working Pressure 1.0 Bar

IN LINE DRIPPER 20mm

Diameter (mm) / Flow rate	20 - 2 L/h					20 - 4 L/h				
	Spacing Between Emitters (m)									
	Lateral Length (m)	0.3	0.33	0.5	0.75	1	0.3	0.33	0.5	0.75
	60	80	120	160	200	60	70	90	120	150

Diameter (mm) / Flow rate	20 - 2 L/h					20 - 4 L/h				
	Operation Pressure (Bar)									
Act. Flow	0.8	1	1.5	2	3	0.8	1	1.5	2	3
Rate (L/h)	1.9	2	2.2	2.6	2.9	3.9	4	4.4	4.6	4.9

♦ Recommended Working Pressure 1.0 Bar

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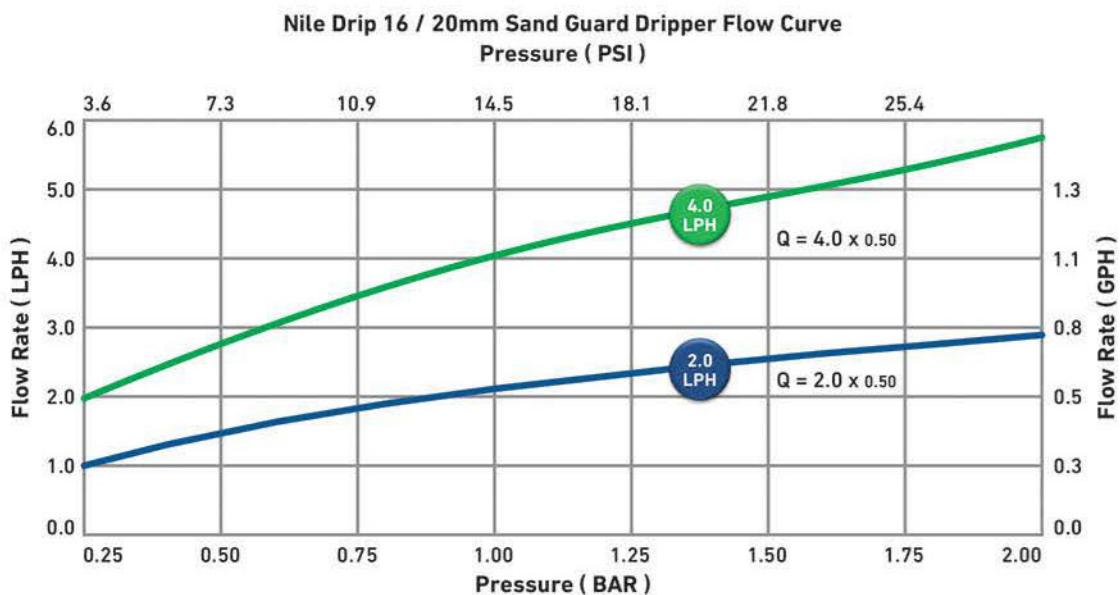
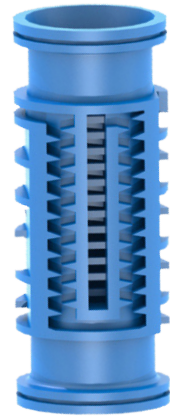


Nile Drip Dripper (SAND GUARD)

- It is an integrated non-pressure-compensating dripper characterized by its high resistance to clogging. It is specially designed for well water, where the water path inside the dripper is designed on a wide scale with long passages to ensure maximum resistance to clogging.

◆ Features and Benefits

- The dripper maintains flow consistency through its outlets with a flow variation rate of $< 5\%$.
- The effective design of the dripper allows for a long water path while maintaining an economical dripper size.
- High resistance to clogging: The combination of long passages and large interlocking sections in the dripper's design gradually allows sediments to pass through the surface of the passages without clogging the dripper.



Technical Data is To Be Used as A Guide Only. Actual Results May Vary Depending On Manufactured Pipe Characteristic.

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Nile Drip Pressure Compensating (PC)

- Pressure-compensating drip hoses are produced with diameters of 16 mm and 20 mm.

- The hoses are manufactured from 100% pure polyethylene. They are treated with UV material to provide resistance against weather conditions, especially UV rays, which negatively affect the hose's lifespan.

The NILE DRIP-PC dripper is available with flow rates of 1.6, 2, and 4 liters per hour to meet the needs of all customers according to crop types and each plant's water requirement.

- Dripper points inside the hose are installed at different intervals ranging from 20 cm to 100 cm according to the customer's needs.

The NILE DRIP-PC dripper is characterized by its ideal water distribution due to its unique design, which ensures that it is unaffected by pressure variations or changes in soil surface levels, resulting in consistent water distribution from each dripper.

- It also allows for laying hoses over much longer distances compared to non-pressure-compensating drip hoses, as the regularity of the discharge covers a larger area while reducing the number of irrigation hours.

Moreover, the NILE DRIP-PC dripper is cost-effective in irrigation networks as it allows for the elimination of many sub-networks due to the ability to lay the hose over longer distances.

A 130-micron filter can be used as a minimum, considering that the type and sensitivity of the filter are determined according to the operating water conditions.



IN LINE DRIPPER PC 16mm

Diameter (mm) / Flow rate	16 - 2 L/h					16 - 4 L/h				
	Operation Pressure (Bar)									
	0.8	1	1.5	2	3	0.8	1	1.5	2	3
Act. Flow Rate (L/h)	1.7	2	2.1	2.15	2.2	3.7	3.9	4	4.2	4.2

Operating Pressure Range 0.8 ~ 3.0 Bar

IN LINE DRIPPER PC 20mm

IN LINE DRIFT FLOW CONTROL										
Diameter (mm) / Flow rate	20 - 2 L/h					20 - 4 L/h				
	Operation Pressure (Bar)									
Act. Flow	0.8	1	1.5	2	3	0.8	1	1.5	2	3
Rate (L/h)	1.7	2	2.1	2.15	2.2	3.7	3.98	4	4.2	4.2

Operating Pressure Range 0.8 ~ 3.0 Bar

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Nile Drip Dripper (Storm) Pressure Regulating

- Suitable for fields with diverse terrain conditions (rough terrain), it has been developed for agricultural use to perform well in sloped areas and with long sub-lines.

◆ Features and Benefits

- Pressure regulating: It self-regulates the pressure to ensure a consistent flow rate even with pressure variations, making it the optimal choice for rough terrain, slopes, and long irrigation sub-lines.

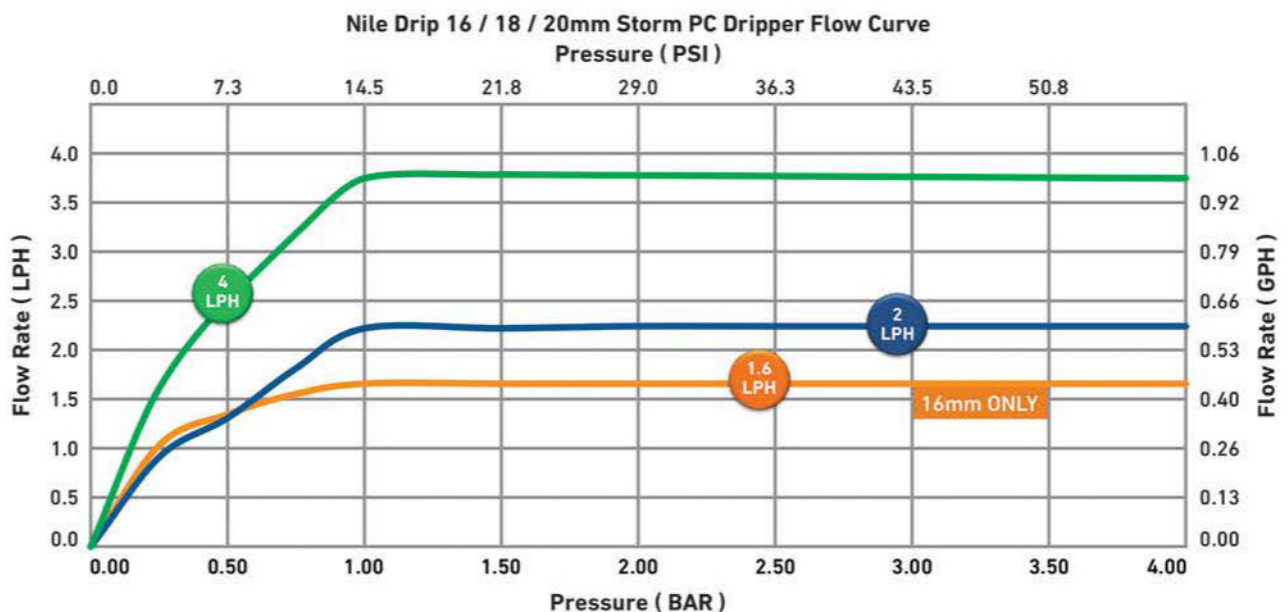
High performance: It provides a consistent and constant flow rate

- even with minimal pressure variations of less than 0.05%.

Ease of use: There is no sensitivity to points with changing field

- conditions such as slopes and uneven valleys.

Self-cleaning and clog-resistant: The dripper cleans itself through its silicone membrane and through the design of the water passage, ensuring that pressure regulation is not disrupted in case of entry of solid materials suspended in the water.



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Nile Drip T-Tape

- The product is made from high-efficiency polyethylene material and is used in drip irrigation. It has a thin-wall thickness, with the drip portion in the form of a connected strip with wide water paths and multiple inlet openings to reduce the chances of clogging. The drip tape is attached to one edge along the length of the hose.

◆ Features and Benefits

- It offers the ability to vary flow rates and spacing between drips just like regular drip hoses, according to customer needs, at a very economical price compared to other drip hoses. It is lightweight, easy to install, use, disassemble, store, and reuse.
- Each hose roll can reach lengths of up to 1000 or 2000 meters as per customer request, with noticeable lightweight and compact roll size, making it economical in transportation and storage. Additionally, it does not require extra labor for laying and securing due to its noticeable lightweight and ease of handling, making it economical in installation costs as well.

◆ General features of the product

- The process of forming the hose, along with attaching the drip tape and creating the drip holes, is all done in one step to ensure optimal performance of the hose. It features wide water paths within the drip tape, along with a turbulent flow water system, in addition to multiple water inlets for each drip opening. This design enables it to resist clogging to the highest degree possible while maintaining consistent and steady flow rates.
- Manufactured from high-quality raw materials with excellent tensile properties, it is suitable for installation using machines. The maximum length for installation is 80 meters, with high resistance to corrosion. It offers various flow rates and spacing between drips according to customer needs, and it is lightweight, easy to transport, install, disassemble, store, and reinstall, making it suitable for a wide range of applications.

