Sahara

Selecting the Right Drip Irrigation Pipe

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Elysée Irrigation

What is the drip irrigation:

- Drip Irrigation is the most efficient water and nutrient delivery system for growing crops. It delivers water and nutrients directly to the plant's root zone, in the right amounts, at the right time, so each plant gets exactly what it needs, when it needs it, to grow optimally.

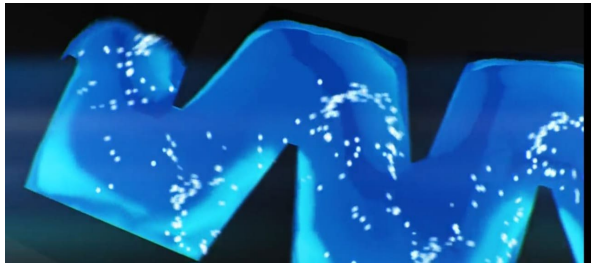
- In the drip irrigation world, drippers are king. There are a variety of types, flows, and niche application products to choose from. Depending on your application needs, choosing the right drip emitter is key yet there are many factors to consider in choosing the right dripper.

- First-ever Elysée factory in the African region, dedicated to manufacturing dripline of European-level standards.

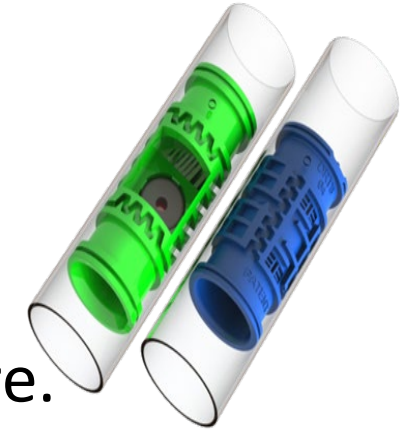
Product Characteristics:

- Produced with advanced three-layer using a unique LDPE/LLDPE blend.

- A high turbulent flow path design creates a vortex effect inside the emitter and therefore prevents clogging.



Product Characteristics:



- High UV resistance.

- Resistant to all nutrients used in agriculture.

- 4 Outlets in every dripper.

- Available in two flows: 2 or 4 LPH.

- expected service life of 10 years under normal conditions.

What is the difference between PC, and PCND?

- PC drippers provide a consistent flow rate over a pressure range typically starting from 0.6-1.0 bar and up to 3.5 bar pressure and higher. Variations in pressure can happen due to long pipe laterals losing pressure after each dripper and over the length of the pipe.

- PCND drippers also provide a constant flow over an operating pressure range like PC drippers however PCND drippers contain a check valve so that water or air can not flow backwards through the dripper even under vacuum conditions. Also, it retains pressure in the pipe when the pressure source is turned off in a system with elevation changes such as hills and valleys.

SOLI (LDPE SOLID PIPE):

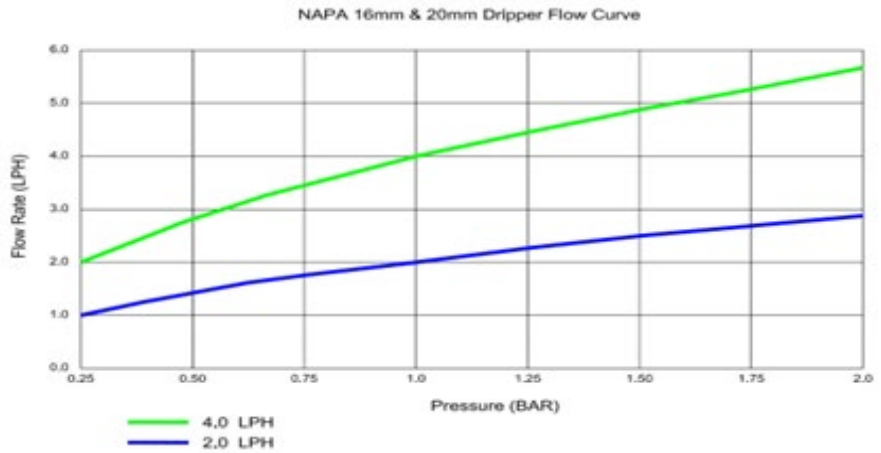
SOLI conforms to ISO8779 standards, ensuring consistent quality and performance, and is available in black, making it suitable for long exposure to UV sunlight with excellent chemical resistance.

With a thickness of 1.1-1.4mm, SOLI is available in two diameters: 16mm and 20mm, the 16x1.1mm and 16x1.2mm models are ideal for on-line dripper installation, while the 16x1.4mm model is a proven solution for pop-up connections, thanks to its durability and flexibility.

Maximum operating pressure for 16mm pipes wall thickness 1.1 & 1.2mm is 4 bar, while 16mm pipes with wall thickness 1.4mm and the 20mm pipes is 6 bar.

NAPA (Advanced dripline):

- NAPA features an elevated 3D filter drawn from water that is closer to the center of the pipe where water travels at high velocity. The higher velocity helps keep the filter surface clean while the elevated filter entrance inhibits solids from settling on it between flow cycles, regardless of dripper orientation in the pipe.
- Available in 16mm and 20mm diameter and in two flows: 2 or 4 LPH.
- The minimum thickness is 1.0mm for 16mm diameter and 1.1mm for 20mm diameter.
- Ideal for multi-season row crops, trees, orchards, vegetables, gardening, and landscaping.



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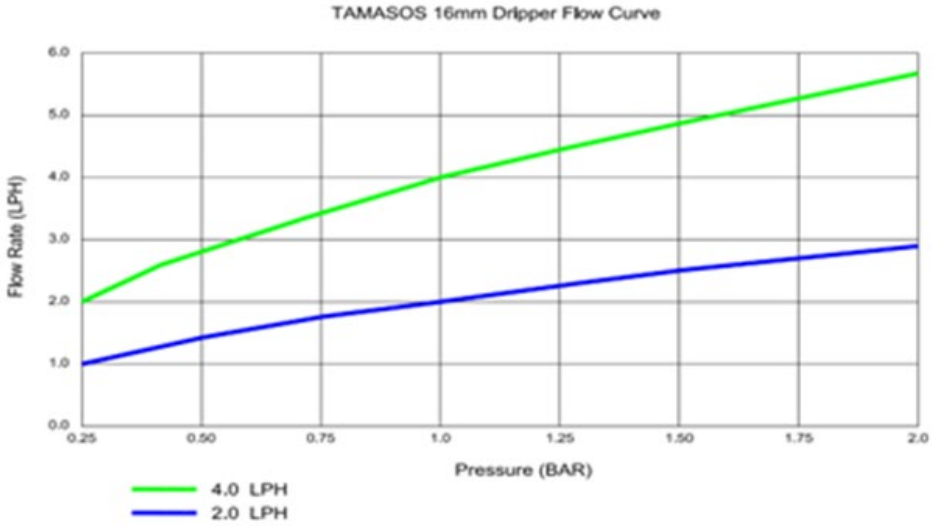
TAMASOS (Pro dripline):

- The unique design of the emitter with the 3D+ filter is among the best products in the industry offering extremely good performance. The very low CV is enhanced by the quality manufacturing process.
- Available in 16mm diameter and in two flows: 2 or 4 LPH.
- The minimum thickness is 1.0 mm.
- Designed and developed especially for the needs of landscape projects and leach mining.



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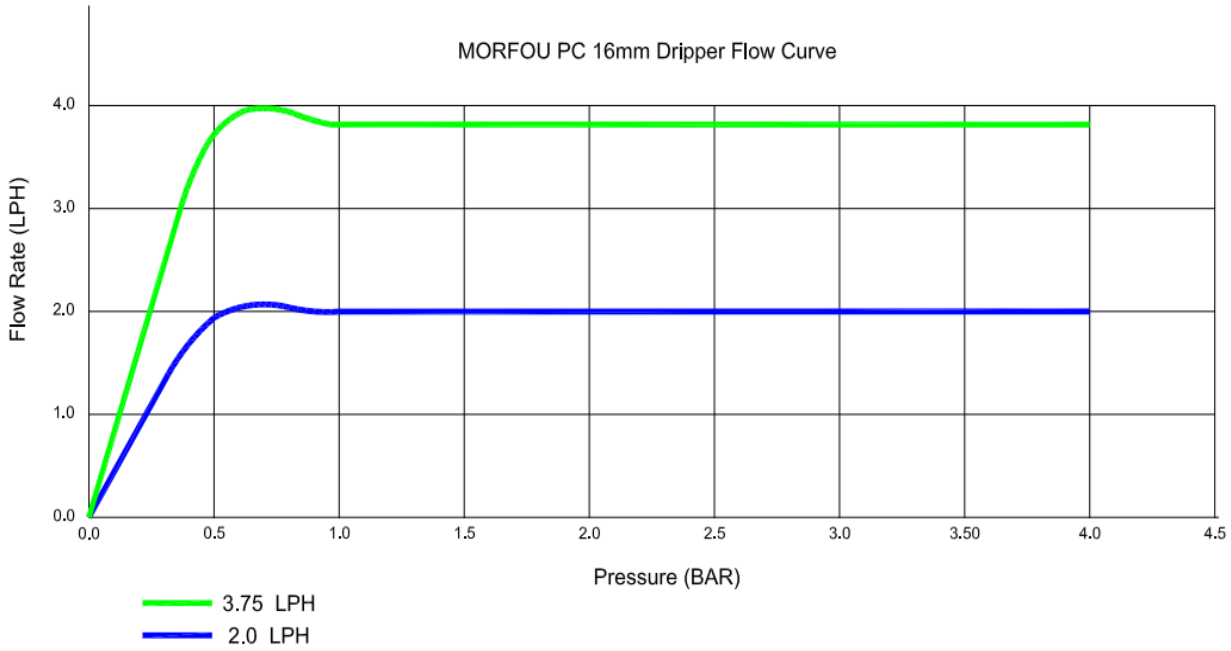
MORFOU (PC dripline):

- Available in 16mm and in two flows 2.2 or 3.75 LPH.
- Pressure range: 0,5 - 4,0 bar.
- Opening pressure: 0,50 bar.



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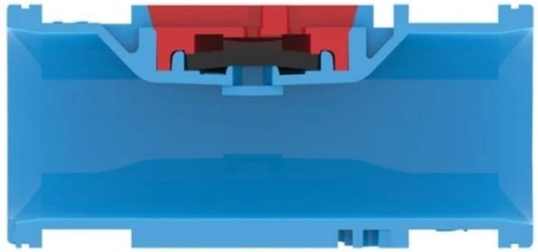
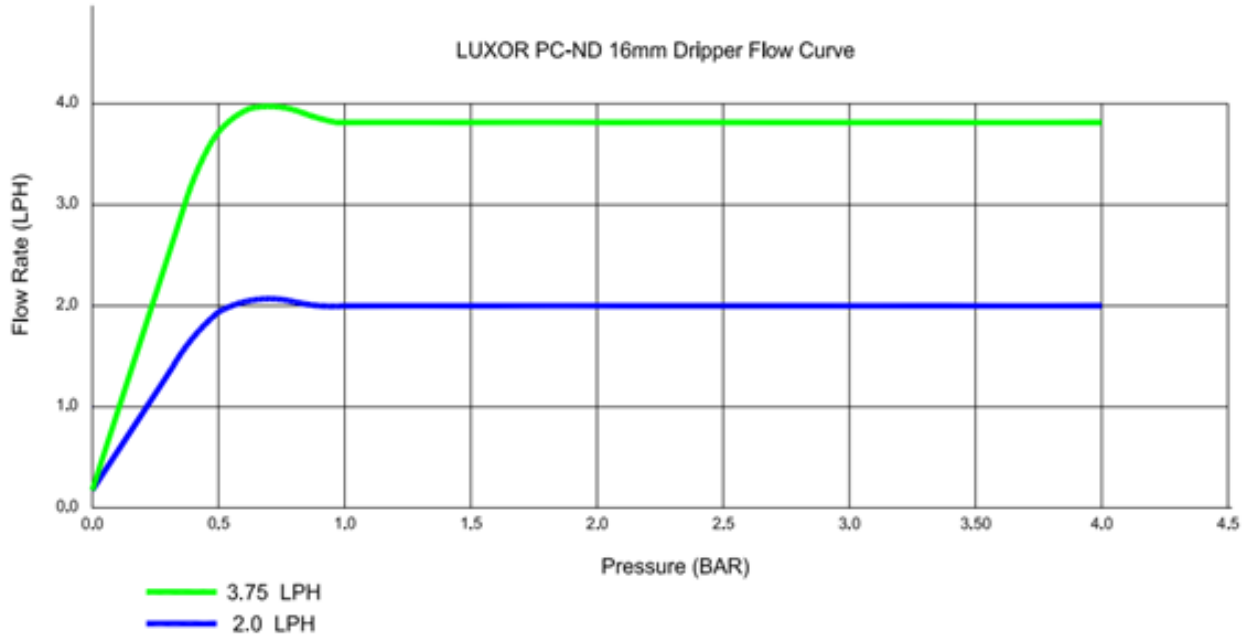
Luxor (PCND dripline):

- With the Non-Drain system of LUXOR PC-ND, the dripline remains full of water during irrigation intervals, ensuring immediate and uniform irrigation along the dripline.
- Ideal for sloped, undulated, or uneven terrains and when long runs are requested. Also, they offer perfect results in nurseries, greenhouses, hydroponic applications, and whenever precise water needs, and fertilizing dosages are necessary for a successful h[illegible]



Luxor (PCND dripline):

- Available in 16mm and in two flows 2.2 or 3.75 LPH.
- Pressure range: 0,5 - 4,0 bar.
- Opening pressure: 0,50 bar.
- Sealing pressure: 0,18 bar.



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Thank you for your attention

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