

SELF-COMPENSATING FLAT DRIPPER

EXCLUSIVE PROTECTION
FILTER

TITAN PC

LARGE NUMBER OF MODELS AND
CONFIGURATIONS

PRECISION
RELIABILITY
DURABLE
EASY TO USE



Advantages

+TITAN PC is a self-compensating flat dripper developed with state-of-the-art technology and welded with a high precision laser system. It consists of three parts; the Body with the labyrinth, the Silicone Membrane and the anti-clogging Filter.

+Is ideal for a wide range of thicknesses (12-48 mil) and constant or alternate emitter spacing. It connects to any type of hose above 13.5 mm. Excellent coefficient of variation (CV), class A. Thanks to the ultra-flat design of TITAN PC, Losses of water due to friction are reduced.

TITAN PC is a latest generation drip line, mainly equipped with three systems that guarantee its long-term functionality with unevenness and sub-irrigation:

1) System "D" (Draining); ensures a constant flow with variable working pressure (0.55-3.50 bar), which depends on the thickness of the pipe. At the end of watering, it drains quickly.

2) "AS" System (Anti-Suction); ideal for underground installation. Minimizes the suction effect, preventing the entry of foreign impurities. The nominal flow rate inside the pipe starts at 0.5 bar pressure. The dripper closes if the pipe pressure is negative, avoiding obstructions.

3) "ND" System (Non-Draining); The irrigation pipe remains full of water when the irrigation process is stopped, ensuring uniform and immediate irrigation in all drip lines, eliminating the effect of repetitive drainage and filling.

- + Accommodates a wide spectrum of hose gauges (12-48 mil).
- + Short in stature, which makes resistance to the passage of water is minimal, which allows covering a greater lengths.
- + The outer labyrinth allows greater flexibility when define the flow according to the nominal value, depending on materials and production parameters.

**Advanced
Dripper for the
Most Difficult
Waters**



GENERAL DESIGN CHARACTERISTICS

- Irrigation water must be analyzed to determine its quality, particle type and size to correctly design the filtration system.
- Precise elements will be available to control and Measure the system operating pressure. Reduce valves, pressure reducers, pressure gauges...]
- In buried installations it is very important to have a suction cups to eliminate particle entry when irrigation is finalized.
- The main, secondary and tertiary pipes will be cleaned, as well as the side tubes. The system will be designed to Facilitate this task by providing the necessary mechanisms. and accessories in the pipes.
- The coils will be protected from humidity and sunlight. They will be kept under cover until used.
- Do not put excessive tension on the tape during installation. Avoid rub with sharp or abrasive parts.
- The tape will be installed with the water outlet upwards.
- Care must be taken to fill the trench to avoid crushing or other damage to connecting pipes.

A TITAN at the service of agriculture



TECHNICAL DATA

FLOW	1.1	1.5	23	3.8
NOMINAL FLOW	1.1/0.29	1.50/0.40	2.30/0.63	3.8/1.00
COEFFICIENT OF VARIATION CV (%)	3.57	3.57	3.59	3.74
EXPONENT (0)	0.01	0.013	0.03	0.013
MAX. PRESSURE ALLOWED (Bar/PSI)	3.5/50.80	3.5/50.80	3.5/50.80	3.5/50.80
MIN. PRESSURE ALLOWED (Bar/PSI)	05/8.0	05/8.0	05/8.0	05/8.0

Pressure range: 0.5- 3.5 bar

Opening pressure: 0.40 bar

Closing pressure: 0.25 bar

Recommended
for crops of:

TITAN PC



*OLIVE OIL, AVOCADOES, BLUEBERRIES, APPLES AND PEARS, UNDERGROUND IRRIGATION, VINEYARDS, SUGAR CANE, COCOA, COFFEE, GREENHOUSES, ALMOND.



Chamartin Group, Chamsa



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