

The Cascade Labyrinth

The Cascade Labyrinth signifies a breakthrough in low-volume dripline systems. The unique structure of the dripper facilitates intensified self-cleaning, preventing clogging and vastly improving durability.

ADVANTAGES

- Reliable use of low-volume drippers
- Unique self-cleaning operation
- Wider water passages
- Very high resistance to clogging
- Long-term flow accuracy and uniformity
- Longer laterals
- Lower costs per area
- Extended product life

DOUBLE FLOW SYSTEM

The Cascade labyrinth teeth create a double-flow regime that combines rapid central flow with cyclone turbulence, facilitating constant cleaning and flushing. This prevents clogging and improves dripper durability.

EFFICIENT SELF-CLEANING

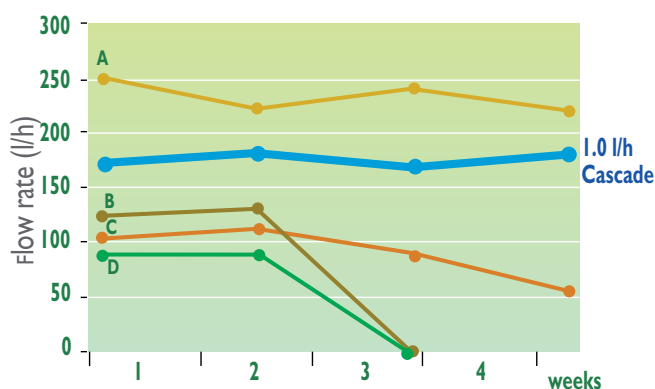
During the self-cleaning process, dirt and sand particles that penetrate the filtration system are washed away, preventing sedimentation and clogging.

HYDRAULIC CHARACTERISTIC OF THE LABYRINTH

The regulating ratio of the Cascade labyrinth is 1:2.2 - while the pressure is doubled, the flow rate changes by only 45%.

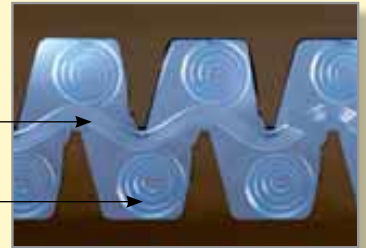
Clogging test

NaanDan Jain Cascade vs. other driplines



floating tortuous stream

cyclone turbulence



unique Cascade teeth

wide water passages



Small particles penetrate the filtration system



Cyclone turbulence washes away the particles



The labyrinth is cleaned

