Integra

Pressure-compensating
PC / AS / ND flat dripper



Consistent water delivery. An enclosed Omniflow labyrinth and self-cleaning compensation chamber support reliable irrigation, while compact geometry simplifies high-speed dripline production.

Engineered for irrigation and production

Enclosed labyrinth

The laser-welded Omniflow labyrinth fixes flow at assembly, reducing the effect of pipe-bonding variation on hydraulic performance.

High-speed feeding and insertion

Low center of gravity and flat ends support stable feeding and spacing. Protective leading walls tolerate an imperfect pipe bond.

Clog-resistant flow path

Integrated filtration and the Omniflow labyrinth keep larger debris out and help smaller particles pass through.

Non-drain protection

The valve seals at 0.2 bar to help limit drain-down after shutoff and opens at 0.4 bar for restart.

Large perforation area

A large outlet perforation area allows more tolerance in hole position, supporting reliable alignment during production.

Consistent water delivery

Compensation from 0.6 to 4 bar, CV below 5% and a flow exponent below 0.05 support uniform delivery across changing pressures.

Self-cleaning compensation chamber

The silicone diaphragm regulates flow and supports chamber cleaning during operation.

Integrated root barriers

Barriers at the outlet help obstruct root access to the dripper, supporting dependable subsurface irrigation.

Technical overview

Nominal flows
1.0 / 1.6 / 2.1 / 3.8 L/h

Available configurations
PC, AS (anti-siphon), ND (non-drain)

Compensation range
0.6-4 bar

CV / flow exponent
<5% / <0.05

Opening / sealing (ND)
0.4 / 0.2 bar

Dimensions (L x W x H)
31 x 9.4 x 5 mm

Integra nominal flow rates

