

AZUD GENIUN PC ASP

The most efficient solution to optimize irrigation in gardening.



DS Technology
Anti-clogging efficiency

What it is

The most efficient solution to optimize irrigation in gardening and landscaping: Dripline with integrated self-compensating and anti-suction flat emitter, suitable for subsurface drip irrigation.

- H.E.X. protection system.
- SILITEC membrane.
- Anti-clogging **DS TECHNOLOGY** labyrinth.
- Anti-roots **ARS** system.

Application

- Landscaping projects in urban environments.
- Great sport areas.
- Theme parks.
- Highways, roads, motorways.
- Residential areas.

Advantages

- **Drippers always protected:**
Self-cleaning H.E.X. filtration system, for surface and in-depth solid particles retention.
- **Uniform flow rate guaranteed throughout its useful life:**
The injected membrane is dynamic, which guarantees a precision, reliable and durable pressure-compensated operation and an efficient self-cleaning of the labyrinth.
- **Maximum strength against clogging, certified:**
The self-cleaning labyrinth DS Technology is made up by elliptical cavities that prevent solid particles deposits.
- **Higher protection against root intrusion:**
The ARS system consists of a balance between two arches with different opening angles and a conical design at the water emission point that make root intrusion difficult.
- **AS anti-suction mechanism for Subsurface Drip Irrigation (SDI):**
It prevents the suction of particles from the outside to the inside of the emitter when irrigation is finished.



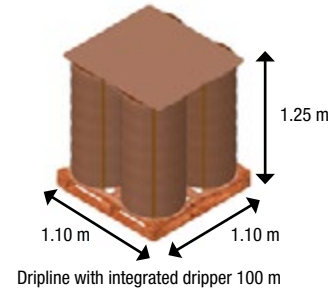
| AZUD GENIUN PC ASP 16 | | |
|-----------------------|-----------|-------------|
| Model | | 2L |
| Nominal flow | l/h gph | 2.00 0.53 |
| Inner diameter | mm in | 13.9 0.55 |
| Nominal thickness | mm mil | 1.2 47 |
| Maximum pressure | bar psi | 4.0 58 |

ISO 9261

| AZUD GENIUN PC ASP 16 | | | | | |
|-----------------------|-------|---------------------------|--------|---------------|--------|
| Pressure | | Dripline length* | | | |
| | | Spacing between emitters* | | | |
| | | 0.33 m 13" | | 0.50 m 20" | |
| (bar) | (psi) | (m) | (feet) | (m) | (feet) |
| 1 | 14.5 | 89 | 292 | 124 | 407 |
| 2 | 29 | 124 | 407 | 174 | 571 |
| 3 | 43.5 | 146 | 479 | 206 | 676 |
| 4 | 58 | 163 | 535 | 230 | 755 |

Slope 0%





| AZUD GENIUN PC ASP 16 | Discharge Equation AZUD GENIUN $q = K \cdot h^x$ | | Pressure compensated | |
|-----------------------|-----------------------------------------------------|----------------------|----------------------|--------|
| Model | q (l/h) - h (mca) | q (gph) - h (psi) | bar | psi |
| AZUD GENIUN PC ASP 2L | $q = 2.00 \cdot h^0$ | $q = 0.53 \cdot h^0$ | 0.4 - 4.0 | 6 - 58 |



| AZUD GENIUN PC ASP | | | | | |
|-----------------------------------------|------|--------|----------------------|----------------------|---------------|
| Ø16 | Coil | | Pallet | | Coil / Pallet |
| | (m) | (feet) | (m) | (feet) | |
| Dripline with integrated dripper | 100 | 328 | (1.10 x 1.10 x 1.25) | (3.61 x 3.61 x 4.10) | 24 |



- 1 EASY INSTALLATION**
The installation of pipe and fitting is fast and easy.
- 2 SAFETY**
Maximum resistance to mechanical disconnection.
- 3 WATER - TIGHTNESS**
Total guarantee of water-tightness independently of pressure working levels.

| SAFETY FITTING | WE ONLY RECOMMEND ACCESSORIES OFFICIALLY AUTHORISED BY AZUD, CHECK OUR RANGE OF AZUD FIT ACCESSORIES | | | |
|----------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| |  <p>STRAIGHT CONNECTOR</p> |  <p>PVC OFFTAKE CONNECTOR WITH GROMMET</p> |  <p>DRIPLINE VALVE</p> |  <p>TEE - CONNECTOR</p> |