

AZUD GreenTec

Pressure compensating dripline suitable for subsurface irrigation in landscaping and professional gardening.



What it is

The pressure-compensating dripline has a contrasted history and efficiency for the subsurface localized irrigation installations, guaranteeing uniformity and maintaining the flow rate stability over time.

The pressure-compensating dripline is manufactured by the extrusion process, integrating in such process the rounded pressure-compensating dripper.

Optimum hydraulic performance. Both the dripper and pipeline are completely cylindrical and keep a minimal hydraulic interaction with the circulating flow rate.

Application

- Professional surface and subsurface microirrigation for gardening.
- Landscaping projects in urban environments.
- Great sport areas.
- Theme parks.
- Highways, roads, motorways.
- Residential areas.

Advantages

- DS Technology, top protection against clogging.
- Inlet filter with self-cleaning effect.
- Great length of laterals. Emitter with minimal head loss.
- Energy saving due to the performance at low pressures.
- Temporal and spatial distribution of constant and uniform flow rates in all the emitting points independently of the working pressure and land topography.
- Diaphragm resistant to chemical products and fertilizers normally used in agriculture.
- Contrasted efficiency in subsurface irrigation systems.
- This favors the distribution of water, decreasing the risk of root intrusion and the suction of water after the stop of irrigation.
- Landscape adaptation.
- Integrated system: Reduction of installation costs.
- Better irrigation control.



AZUD GREENTEC PC 16

| | | |
|-------------------|-----|------|
| | | 2L |
| Nominal flow | l/h | 2.2 |
| | gph | 0.58 |
| Inner diameter | mm | 13.6 |
| | " | 0.54 |
| Nominal thickness | mm | 1.1 |
| | mil | 43 |
| Maximum pressure | bar | 4.0 |
| | psi | 58 |

ISO 9261

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| Pressure | | Dripline length | | | |
|----------|-------|--------------------------|--------|---------------|--------|
| | | Spacing between emitters | | | |
| | | 0.35 m 14" | | 0.50 m 20" | |
| (bar) | (psi) | (m) | (feet) | (m) | (feet) |
| 1.5 | 22 | 66 | 216 | 88 | 289 |
| 2.0 | 29 | 93 | 305 | 124 | 407 |
| 2.5 | 36 | 111 | 364 | 147 | 482 |
| 3.0 | 44 | 125 | 410 | 165 | 541 |
| 3.5 | 51 | 135 | 443 | 180 | 590 |
| 4.0 | 58 | 145 | 476 | 192 | 630 |

Slope 0%

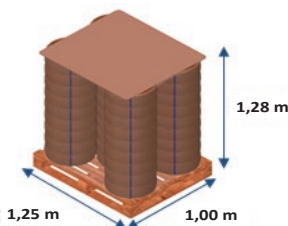
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| | Coil | | Coil: External Ø x Height | | Pallet. (Max. height 1.30 m / 4.26 feet) | Coil / Pallet |
|----------------------------------|------|--------|---------------------------|---------------|---|---------------|
| | (m) | (feet) | (mm) | (in) | (m) | |
| Dripline with integrated dripper | 50 | 164 | 490 x 130 | 19.29 x 5.12 | (1.25 x 1.00 x 1.28) CP6 (4.10 x 3.28 x 4.20) | 45 |
| | 100 | 328 | 520 x 180 | 20.47 x 7.09 | (1.10 x 1.10 x 1.23) 1.10 x 1.10 (3.61 x 3.61 x 4.04) | 24 |
| | 200 | 656 | 585 x 283 | 23.03 x 11.14 | (1.17 x 1.17 x 1.28) 1.10 x 1.10 (3.83 x 3.83 x 4.20) | 16 |

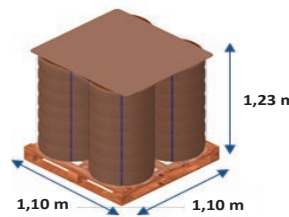
Ask for other models

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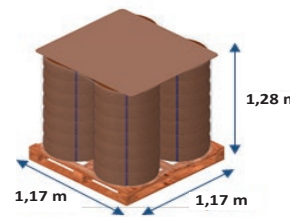
| Discharge Equation $q = K \cdot h^x$ | | |
|---|---------------------|----------------------|
| Model | q (l/h) - h (mca) | q (gph) - h (psi) |
| 2.2L | $q = 2.2 \cdot h^0$ | $q = 0.58 \cdot h^0$ |



Dripline with integrated dripper 50 m



Dripline with integrated dripper 100 m



Dripline with integrated dripper 200 m



SISTEMA AZUD, S.A. reserves the right to change the characteristics of these products without prior notice



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

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