

AZUD PREMIER PC AS

The most sustainable solution for gardening regenerated water usage.



DSTechnology
Anti-clogging efficiency

What it is

Dripline with integrated self-compensating and anti-suction flat emitter, suitable for reclaimed water irrigation in gardening and landscaping.

The purple colour allows to:

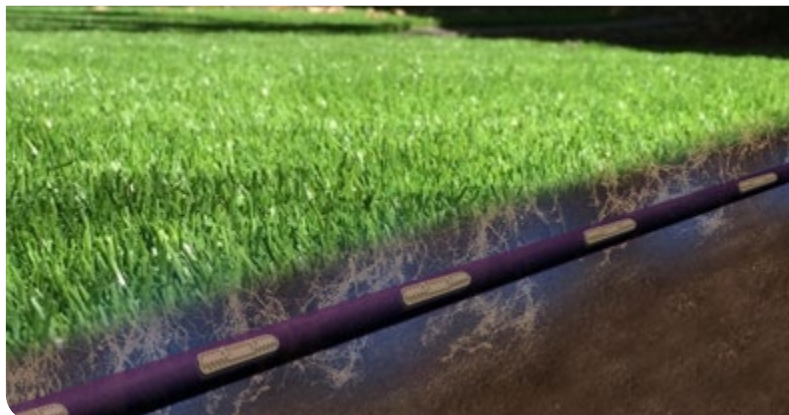
- Identify the origin and quality of the water.
- Warn about the risks of the reclaimed water.
- Complete opacity, which avoids the algae growth.

Application

- Use of reclaimed water in subsurface drip irrigation.
- Landscape projects in urban areas, employing recycled water.
- Theme parks, sport and residential areas irrigation, using recycled water.
- Highways and roadsides irrigation, using recycled water.

Advantages

- **Drippres always protected:**
Self-cleaning H.E.X. filtration system, for a surface and in-depth solid particles retention.
- **Greatest performance & lifespan in the system:**
The ELIPSIS chamber is a specific housing where the membrane is placed, in order to guarantee its maximum performance.
- **Uniform flow rate guaranteed throughout its useful life:**
The elliptical-shaped injected membrane is free-of-movement and dynamic, which guarantees a precision, reliable and durable pressure-compensated operation.
- **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 PIR system consist on a combination of both experience physical protections that hinder the root intrusion.
- **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.



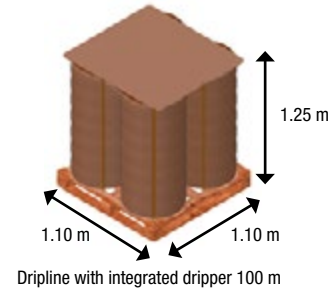
AZUD PREMIER PC AS 16		
Model	2.3L	
Nominal flow	l/h gph	2.30 0.61
Inner diameter	mm in	13.9 0.55
Nominal thickness	mm mil	1.2 47
Maximum pressure	bar psi	4.0 58

ISO 9261

AZUD PREMIER PC AS 16							
Pressure		Dripline length*					
		Spacing between emitters*					
		0.33 m 13"		0.35 m 14"		0.50 m 20"	
(bar)	(psi)	(m)	(feet)	(m)	(feet)	(m)	(feet)
1	14.5	65	213	67	220	93	305
2	29	94	308	98	322	135	443
3	43.5	111	364	117	384	160	525
4	58	124	407	131	423	180	591

Slope 0%





AZUD PREMIER PC AS 16	Discharge Equation AZUD PREMIER $q = K \cdot h^x$		Pressure compensated	
Model	q (l/h) - h (mca)	q (gph) - h (psi)	bar	psi
AZUD PREMIER PC AS 2.3L	$q = 2.30 \cdot h^0$	$q = 0.61 \cdot h^0$	0.5 - 4.0	7 - 58



AZUD PREMIER PC AS					
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



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