

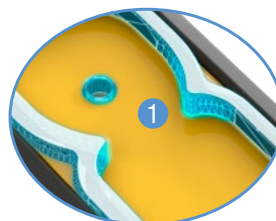
# AZUD GENIUN PC HD

More uniformity for your crop



- 1 **Anti-Roots ARS**  
Experience against the root intrusion.
- 2 **Anti-clogging DS TECHNOLOGY**  
The patented security.
- 3 **Uniformity SILITEC**  
Pharmaceutical technology on the dripper's heart, the membrane.
- 4 **Protection H.E.X.**  
Exclusive triple 3D filtration system.

**DS**Technology  
Anti-clogging efficiency  
Eficacia antiobturante



## What it is

AZUD GENIUN is the dripline, that complies with ISO 9261 specifications, that guarantees the uniform crop growth under any type of terrain, using fewer resource and totally respectful with the environment.

Its self-compensating technology presents itself as the best solution for precision drip irrigation, since it guarantee the flow uniformity throughout the installation.

## Application

- Drip irrigation on uneven terrain
- Irrigation of ecologic production crops
- Irrigation of high-value crops

## Advantages

- **Drippers always protected:**  
Self-cleaning H.E.X. filtration system, for surface and in-depth solid particles retention.
- **Uniform discharge rate guaranteed along the crop lifecycle:**  
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.



AZUD GENIUN PC		AZUD GENIUN PC 16			
Model		1L	1.6L	2L	3.8L
Nominal flow	l/h   gph	1.00   0.26	1.60   0.42	2.00   0.53	3.80   1.00
Inner diameter	mm   in	13.9   0.55			
Nominal thickness	mm   mil	0.9   35		1.0   39	
Maximum pressure	bar   psi	4.0   58			

ISO 9261

Model AZUD GENIUN PC		Discharge equation AZUD GENIUN $q = K \cdot h^x$		Pressure	
Models		q (l/h) - h (mca)	q (gph) - h (psi)	bar	psi
AZUD GENIUN PC	1L	$q = 1.00 \cdot h^0$	$q = 0.26 \cdot h^0$	0.4 – 4.0	6 – 58 psi
AZUD GENIUN PC	1.6L	$q = 1.60 \cdot h^0$	$q = 0.42 \cdot h^0$	0.4 – 4.0	6 – 58 psi
AZUD GENIUN PC	2L	$q = 2.00 \cdot h^0$	$q = 0.53 \cdot h^0$	0.4 – 4.0	6 – 58 psi
AZUD GENIUN PC	3.8L	$q = 3.80 \cdot h^0$	$q = 1.00 \cdot h^0$	0.4 – 4.0	6 – 58 psi

Model AZUD GENIUN PC							
Nominal diameter		Wall thickness		Standard length of coil		Coils per container	Coils per truck
(mm)	(in)	(mm)	(mil)	(m)	(feet)	HC 40 ft	81 m <sup>3</sup>
16	0.630	0.9	35	500	1640	384	432
16	0.630	1.0	39	500	1640	384	432

AZUD GENIUN PC		Dripline length*																			
		Spacing between emitters*																			
Model		0.20 m 8"		0.25 m 10"		0.30 m 12"		0.33 m 13"		0.40 m 16"		0.50 m 20"		0.60 m 24"		0.75 m 30"		1.00 m 39"		1.25 m 49"	
		(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)
16	1L	150	492	182	597	213	699	230	755	270	886	323	1060	373	1224	443	1453	550	1804	648	2126
	1.6L	110	361	134	440	156	512	169	554	199	653	238	781	275	902	327	1073	405	1329	478	1568
	2L	95	312	116	381	135	443	146	479	172	564	206	676	238	781	283	928	351	1152	414	1358
	3.8L	63	207	76	249	89	292	97	318	113	371	136	446	157	515	186	610	232	761	274	899


\*Slope: 0%

\*Inlet pressure: 3 bar / 44 psi.

\*Minimum pressure in the last dripper of the lateral: 0.4 bar / 6 psi.

It is recommended to design the installation with lateral lengths shorter than 800 meters / 2.625 feet.

For other lateral lengths please, check AZIS, our software of hydraulic calculation in www.azud.com.

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

