

# AZUD GENIUN PC ASP MD

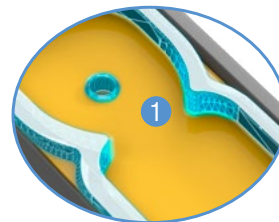
More uniformity for your crop



- 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 and anti-suction technology presents itself as the best solution for subsurface drip irrigation, since it prevents the particles intrusion into the dripper.

## Application

- Subsurface drip irrigation
- Irrigation of ecologic production crops.
- Irrigation of extensive crops.
- Irrigation of horticultural 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 ASP		AZUD GENIUN PC ASP 160			
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	15.5   0.61			
Nominal thickness	mm   mil	0.63   25	0.70   28	0.80   32	
Maximum pressure	bar   psi	2.8   41	2.9   42	3.0   44	

ISO 9261

Model AZUD GENIUN PC ASP		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 ASP	1L	$q = 1.00 \cdot h^0$	$q = 0.26 \cdot h^0$	0.4 - 4.0	6 - 58 psi
AZUD GENIUN PC ASP	1.6L	$q = 1.60 \cdot h^0$	$q = 0.42 \cdot h^0$	0.4 - 4.0	6 - 58 psi
AZUD GENIUN PC ASP	2L	$q = 2.00 \cdot h^0$	$q = 0.53 \cdot h^0$	0.4 - 4.0	6 - 58 psi
AZUD GENIUN PC ASP	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 ASP							
Model	Nominal thickness (mm) (mil)		Spacing between emitters (m)	Coil length (m)	Coils / Pallet	Coils / Container 40' HC	Coils / Truck 81 m <sup>3</sup>
160	0.63	25	< 0.20	750	12	480	528
			≥ 0.20	800			
160	0.70	28	< 0.20	550	12	480	528
			≥ 0.20	600			
160	0.80	32	< 0.20	450	12	480	528
			≥ 0.20	500			

AZUD GENIUN PC ASP				Dripline length*																					
Model	Nominal thickness mm mil	Inlet pressure bar psi		Spacing between emitters*																					
				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"												
160	1L	0.63	25	2.8	41	193	633	232	761	270	886	291	955	338	1109	402	1319	461	1512	542	1779	461	1512	782	2566
	1.6L					142	466	171	561	198	650	214	702	349	1145	296	971	340	1115	401	1316	340	1115	578	1896
	2L					123	404	148	486	172	564	185	607	216	709	256	840	294	965	347	1138	294	965	500	1640
	3.8L					81	266	97	318	113	371	122	400	142	466	169	554	194	636	229	751	194	636	330	1083
160	1L	0.70	28	2.9	42	196	643	236	774	273	896	295	968	343	1125	407	1335	467	1532	551	1808	677	2221	793	2602
	1.6L					144	472	173	568	201	659	217	712	253	830	300	984	345	1132	406	1332	500	1640	585	1919
	2L					124	407	150	492	174	571	188	617	219	719	260	853	299	981	352	1155	433	1421	507	1663
	3.8L					82	269	99	325	115	377	124	407	144	472	171	561	197	646	232	761	286	938	335	1099
160	1L	0.80	32	3.0	44	198	650	239	784	277	909	299	981	348	1142	413	1355	474	1555	558	1831	686	2251	804	2638
	1.6L					146	479	176	577	204	669	220	722	256	840	304	997	350	1148	412	1352	507	1663	594	1949
	2L					126	413	152	499	177	581	191	627	222	728	263	863	302	991	357	1171	439	1440	514	1686
	3.8L					83	272	100	328	116	381	126	413	146	479	174	571	200	656	236	774	290	951	340	1115

\*Slope: 0%  
 \*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](http://www.azud.com).

SAFETY FITTINGS



STRAIGHT VALVE



STRAIGHT COUPLING



BARBED COUPLING FOR TAPE



BARBED VALVE FOR TAPE

WE ONLY RECOMMEND ACCESSOIRES OFFICIALLY AUTHORISED BY AZUD, CHECK OUR AZUD FIT RANGE

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