

AZUD GENIUN PC HD

+ Heavywall (HD) thickness dripline with integrated pressure-compensating (PC) flat dripper, for the precise and efficient water and nutrients supply to medium and long life-cycle crops.

💡 Designed to optimize the return on investment in irrigation systems.

✔ Ideal for:



+ Features



✔ **Anti-clogging**
Patented DS TECHNOLOGY self-cleaning labyrinth with elliptical cavities to prevent particle sedimentation.



✔ **Reliability**
Three-dimensional 3D HEX on surface and in-depth filtration, for maximum particle retention and to prevent dripper clogging.



✔ **Uniformity**
SILITEC injected silicone pressure-compensating diaphragm, which guarantees a precise flow rate with very low CV.



✔ **Anti-roots**
ARS protection system with physical barriers that effectively prevent root intrusion into the dripper.



✔ **Durability**
Resistance to mechanical impacts and animals. UV protection.

AZUD manufacturing standard in accordance with ISO 9261



Tomato producer achieves even irrigation and prevents dripper clogging.



+ Dripper technical data

Dripper	Model	Nominal flow rate (l/h)	Filtration area (mm ²)	q = K · h ^x		Pressure-compensating range (bar)	Recommended filtration degree (micron)
				q (l/h) · h (mca)			
				K	x		
PC	1L	1,00	56	1,00	0	0,4 - 4,0	130
	1.6L	1,60	56	1,60	0	0,4 - 4,0	130
	2L	2,00	56	2,00	0	0,4 - 4,0	130
	3.8L	3,80	56	3,80	0	0,4 - 4,0	130

+ Dripline technical data

Dripline	Model	Inside Diameter	Wall thickness	Max. working pressure	KD
		(mm)	(mm)	(bar)	
RD HD	16	13,9	1,10	4	0,72
	16	13,9	1,20	4	0,72
	20	17,5	1,10	4	0,25
	20	17,5	1,20	4	0,25
COMPACT HD	16	13,9	0,90	4	0,72
	16	13,9	1,00	4	0,72
	20	17,5	0,90 ¹	4	0,25
	20	17,5	1,00 ¹	4	0,25
	20	17,5	1,10	4	0,25
	23	20,8	0,90 ¹	3	0,20

¹  **CARTON COIL**
More competitive in transportation and handling.

+ Maximum dripline length (meters) at different distances between drippers

Dripline	Dripper	Distance between drippers* (m)								
		0,20	0,25	0,30	0,33	0,40	0,50	0,60	0,75	1,00
HD 16	1L	149	182	212	230	270	323	373	443	550
	1.6L	110	133	156	169	198	238	275	326	405
	2L	95	115	135	146	171	206	238	283	351
	3.8L	62	76	89	96	113	136	157	186	232
HD 20	1L	258	309	357	384	444	525	599	704	861
	1.6L	190	228	263	283	328	387	442	519	636
	2L	164	197	227	245	283	335	383	449	551
	3.8L	108	129	149	161	187	221	253	297	364
HD 23	1L	349	417	481	518	599	708	808	947	1.159
	1.6L	256	307	354	381	442	522	596	699	856
	2L	222	265	306	330	382	452	515	576	741
	3.8L	146	175	202	217	252	298	340	400	490

*Slope: 0%
 *Inlet pressure: 3 bar
 *Minimum pressure in the last dripper of the lateral: 0,4 bar.
 It is recommended to design with lateral lengths shorter than 800 meters due to efficiency in filling time and cleaning.
 For other lateral lengths, check our software of hydraulic calculation AZUD AZIS in azis.azud.com and in the mobile applications.



AZUD FIT PLUS SAFETY FITTINGS RECOMMENDED BY AZUD



+ Logistics data



Dripline	Model	Wall thickness (mm)	Coil (m)		Coils / Pallet	Maritime transportation 40' HC CONTAINER		Land transportation TRUCK 81 m ³	
			Distance between drippers			Non-palletized coils		Non-palletized coils	Coils on pallet
			<0,30m	≥0,30m		Distance between drippers			
						<0,40m	≥ 0,40m		
	16	1,1	400	400	-	384	384	432	357
	16	1,2	400	400	-	384	384	432	357
	20	1,1	250	250	-	384	384	432	357
	20	1,2	250	250	-	384	384	432	357
	16	0,9	500	500	-	384	384	432	357
	16	1,0	500	500	-	384	384	432	357
	20	0,9 ¹	400	400	12	480*	480*	-	528
	20	1,0 ¹	400	400	12	480*	480*	-	528
	20	1,1	300	300	-	405	432	486	408
	23	0,9 ¹	350	400	12	480*	480*	-	528

¹ Carton coil

*Models always on palletized coils

+ Identification

Description: AZUD GENIUN HD PC 16/1.6L-0.90 mm 0.50 m



Code: 2607B050

