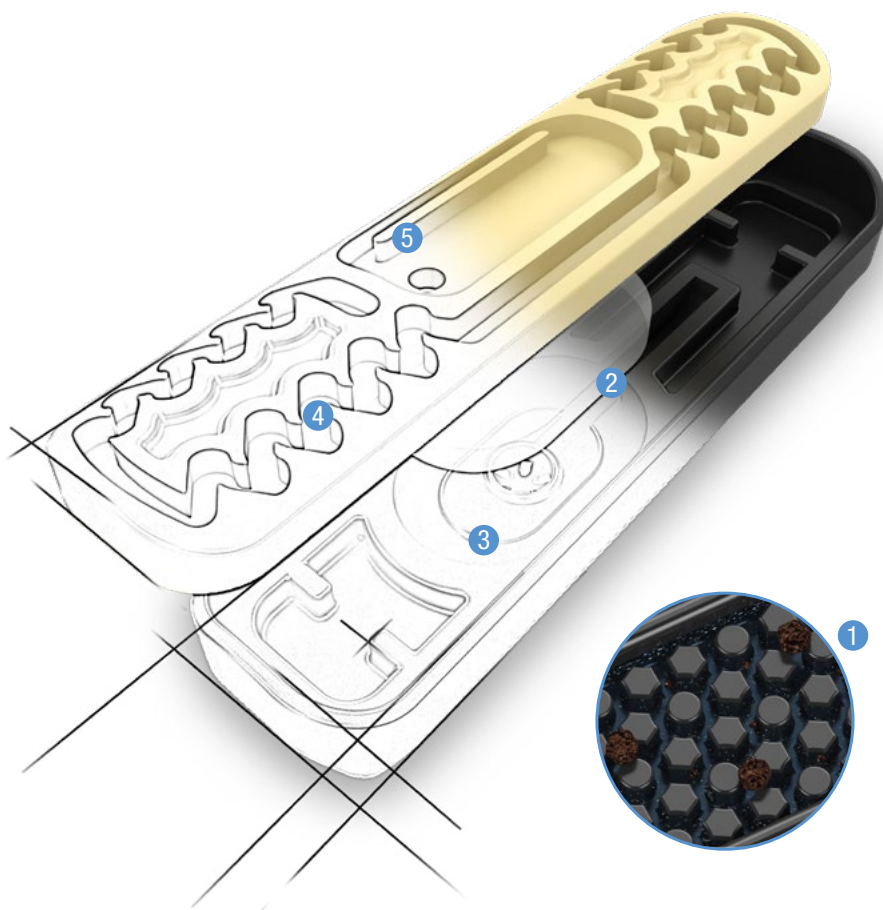


AZUD PREMIER PC

More precision for your crop.

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

DSTechnology
Anti-clogging efficiency
Eficacia antiobturante



What it is

AZUD PREMIER is the greatest precision dripline on the market, 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.



Applications

- 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 a surface and in-depth solid particles retention.
- **Greatest performance & lifespan in your system:**
The ELIPSIS chamber is a specific housing where the membrane is placed, in order to guarantee its maximum performance.
- **Uniform discharge rate guaranteed along the crop lifecycle:**
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.

AZUD PREMIER PC		AZUD PREMIER PC 16						AZUD PREMIER PC 20					
Model		1L	1.6L	2L	2.3L	3L	3.5L	1L	1.6L	2L	2.3L	3L	3.5L
Nominal flow	l/h gph	1.00 0.24	1.60 0.42	2.00 0.53	2.30 0.61	3.00 0.79	3.50 0.92	1.00 0.24	1.60 0.42	2.00 0.53	2.30 0.61	3.00 0.79	3.50 0.92
Inner diameter	mm in	13.9 0.55						17.5 0.69					
Nominal thickness AZUD PREMIER	mm mil	0.9 35		1.0 39		1.1 43		1.1 43					
Nominal thickness AZUD PREMIER RD	mm mil	1.1 43			1.2 47			1.1 43			1.2 47		
Maximum pressure	bar psi	4.0 58						4.0 58					





ISO 9261

Model AZUD PREMIER PC		Discharge Equation AZUD PREMIER $q = K \cdot h^x$		Pressure compensated	
Models		q (l/h) - h (mca)	q (gph) - h (psi)	bar	psi
AZUD PREMIER PC	1L	$q = 1.00 \cdot h^0$	$q = 0.26 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC	1.6L	$q = 1.60 \cdot h^0$	$q = 0.42 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC	2L	$q = 2.00 \cdot h^0$	$q = 0.53 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC	2.3L	$q = 2.30 \cdot h^0$	$q = 0.61 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC	3L	$q = 3.00 \cdot h^0$	$q = 0.79 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC	3.5L	$q = 3.50 \cdot h^0$	$q = 0.92 \cdot h^0$	0.5 - 4.0	7 - 58

Model AZUD PREMIER PC									Model AZUD PREMIER PC RD							
Nominal diameter		Wall thickness		Standard length of coil		Coils per container HC 40 ft		Coils per truck 81 m ³	Nominal diameter		Wall thickness		Standard length of coil		Coils per container HC 40 ft	Coils per truck 81 m ³
(mm)	(in)	(mm)	(mil)	(m)	(feet)	Spacing between emitters			(mm)	(in)	(mm)	(mil)	(m)	(feet)		
						< 0.40 m	≥ 0.40 m									
16	0.630	0.90	35	500	1640	384	384	432	16	0.630	1.10	43	400	1312	384	432
16	0.630	1.00	39	500	1640	384	384	432	16	0.630	1.20	47	400	1312	384	432
16	0.630	1.10	43	500	1640	360	360	432	20	0.787	1.10	43	250	820	384	432
20	0.787	1.10	43	300	984	405	432	486	20	0.787	1.20	47	250	820	384	432

AZUD PREMIER 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"		1.50 m 59"	
		(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)	(m)	(feet)
16	1L	121	397	149	489	176	577	192	630	228	748	276	906	323	1060	390	1280	493	1617	588	1929	677	2221
	1.6L	89	292	109	358	129	423	141	463	167	548	203	666	238	781	287	942	363	1191	434	1424	500	1640
	2L	77	253	95	312	112	367	122	400	144	472	176	577	206	676	248	814	314	1030	375	1230	432	1417
	2.3L	70	230	86	282	102	335	111	364	132	433	160	525	188	617	226	741	286	938	343	1125	395	1296
	3L	59	194	72	236	86	282	93	305	111	364	135	443	158	518	190	623	241	791	288	945	332	1089
	3.5L	53	174	65	213	78	256	84	276	100	328	122	400	143	469	172	564	218	715	260	853	300	984
20	1L	234	768	283	928	329	1079	355	1165	414	1358	493	1617	567	1860	669	2195	825	2707	968	3176	1098	3602
	1.6L	172	564	208	682	242	794	262	860	305	1001	363	1191	417	1368	494	1621	609	1998	714	2343	812	2664
	2L	149	489	180	591	209	686	226	741	264	866	314	1030	362	1188	427	1401	527	1729	619	2031	704	2310
	2.3L	136	446	164	538	191	627	206	676	241	791	287	942	330	1083	390	1280	482	1581	565	1854	642	2106
	3L	114	374	138	453	161	528	174	571	203	666	241	791	278	912	329	1079	406	1332	477	1565	542	1778
	3.5L	103	338	125	410	145	476	157	515	183	600	218	715	251	823	297	974	367	1204	432	1417	491	1611

*Slope: 0%
 *Inlet pressure: 3 bar/44 psi
 *Minimum pressure in the last dripper of the lateral: 0.5 bar / 7 psi
 It is recommended to design the installation with lateral lengths shorter than 800 meter / 2.625 feet.
 For other lateral lengths please, check AZIS, our software of hydraulic calculation in www.azud.com.

SAFETY FITTING				
	STRAIGHT CONNECTOR	PVC OFFTAKE CONNECTOR WITH GROMMET	DRIPLINE VALVE	TEE - CONNECTOR

WE ONLY RECOMMEND ACCESSORIES OFFICIALLY AUTHORISED BY AZUD, CHECK AZUD FIT RANGE