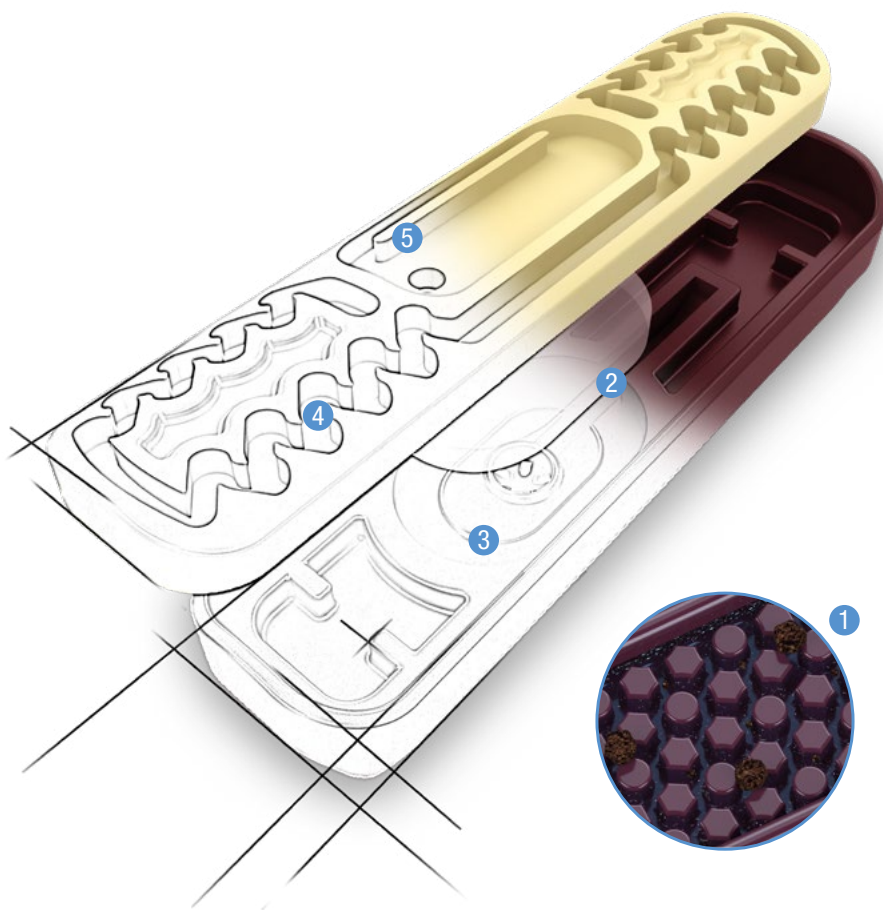


AZUD PREMIER HCNL

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 non-drain technology presents itself as the best solution for the pulse irrigation or steep fields, as it holds the water under pressure ready for the following irrigation event.



Applications

- Pulse irrigation.
- Uneven and steep terrains.
- 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 HCNL		AZUD PREMIER HCNL 16			AZUD PREMIER HCNL 20		
Model		2L	3L	4.5L	2L	3L	4.5L
Nominal flow	l/h gph	1.95 0.52	2.95 0.78	4.45 1.18	1.95 0.52	2.95 0.78	4.45 1.18
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 HCNL		Discharge equation AZUD PREMIER $q = K \cdot h^x$		Pressure compensated		Shut off pressure	
Model		q (l/h) - h (mca)	q (gph) - h (psi)	bar	psi	bar	psi
AZUD PREMIER CNL	2L	$q = 1.95 \cdot h^0$	$q = 0.52 \cdot h^0$	1.5 - 4.0	21.8 - 58	0.25	3.6
AZUD PREMIER CNL	3L	$q = 2.95 \cdot h^0$	$q = 0.78 \cdot h^0$	1.5 - 4.0	21.8 - 58	0.25	3.6
AZUD PREMIER CNL	4.5L	$q = 4.45 \cdot h^0$	$q = 1.18 \cdot h^0$	1.5 - 4.0	21.8 - 58	0.25	3.6

Model AZUD PREMIER HCNL								
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		
						< 0.40 m	≥ 0.40 m	
16	0.630	0.90	35	500	1640	384	384	432
16	0.630	1.00	39	500	1640	384	384	432
16	0.630	1.10	43	500	1640	360	360	432
20	0.787	1.10	43	300	984	405	432	486

Model AZUD PREMIER HCNL RD									
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)				
16	0.630	1.10	43	400	1312	384	432		
16	0.630	1.20	47	400	1312	384	432		
20	0.787	1.10	43	250	820	384	432		
20	0.787	1.20	47	250	820	384	432		

AZUD PREMIER HCNL		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	2L	66	217	80	262	95	312	104	341	123	404	149	489	174	571	210	689	266	873	318	1043	366	1201
	3L	50	164	61	200	72	236	79	259	94	308	114	374	133	436	161	528	203	666	243	797	279	915
	4.5L	38	125	47	154	55	180	61	200	72	236	87	285	102	335	123	404	155	509	187	614	215	705
20	2L	126	413	153	502	177	581	192	630	224	735	266	873	306	1004	361	1184	445	1460	523	1716	593	1946
	3L	96	315	116	381	135	443	146	479	171	561	203	666	234	768	276	906	341	1119	400	1312	455	1493
	4.5L	74	243	89	292	104	341	112	367	131	430	156	512	179	587	212	696	261	856	307	1007	350	1148

*Slope: 0%


*Inlet pressure 3 bar / 44 psi.

*Minimum pressure in the last dripper of the lateral: 1.5 bar / 21.8 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