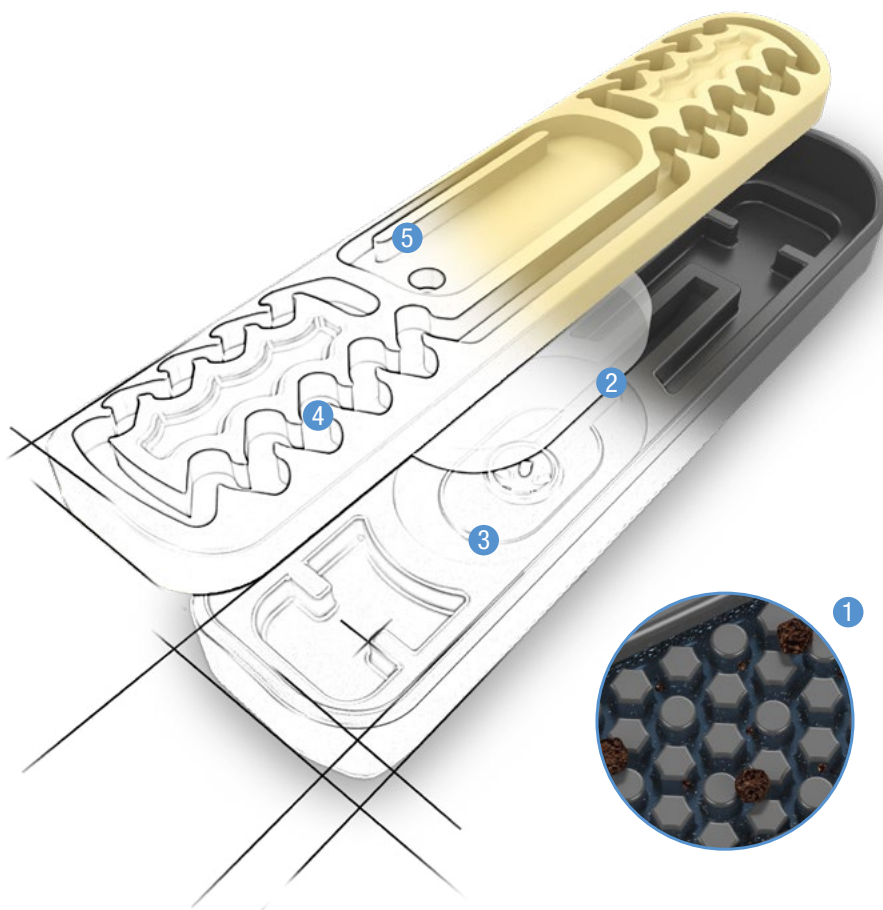


AZUD PREMIER PC AS

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



Applications

- Subsurface drip irrigation.
- 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 AS		AZUD PREMIER PC AS 16						AZUD PREMIER PC AS 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					





Model AZUD PREMIER PC AS	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 AS 1L	$q = 1.00 \cdot h^0$	$q = 0.24 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC AS 1.6L	$q = 1.60 \cdot h^0$	$q = 0.42 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC AS 2L	$q = 2.00 \cdot h^0$	$q = 0.53 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC AS 2.3L	$q = 2.30 \cdot h^0$	$q = 0.61 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC AS 3L	$q = 3.00 \cdot h^0$	$q = 0.79 \cdot h^0$	0.5 - 4.0	7 - 58
AZUD PREMIER PC AS 3.5L	$q = 3.50 \cdot h^0$	$q = 0.92 \cdot h^0$	0.5 - 4.0	7 - 58

Model AZUD PREMIER PC AS								
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 PC AS 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 PC AS	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"
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