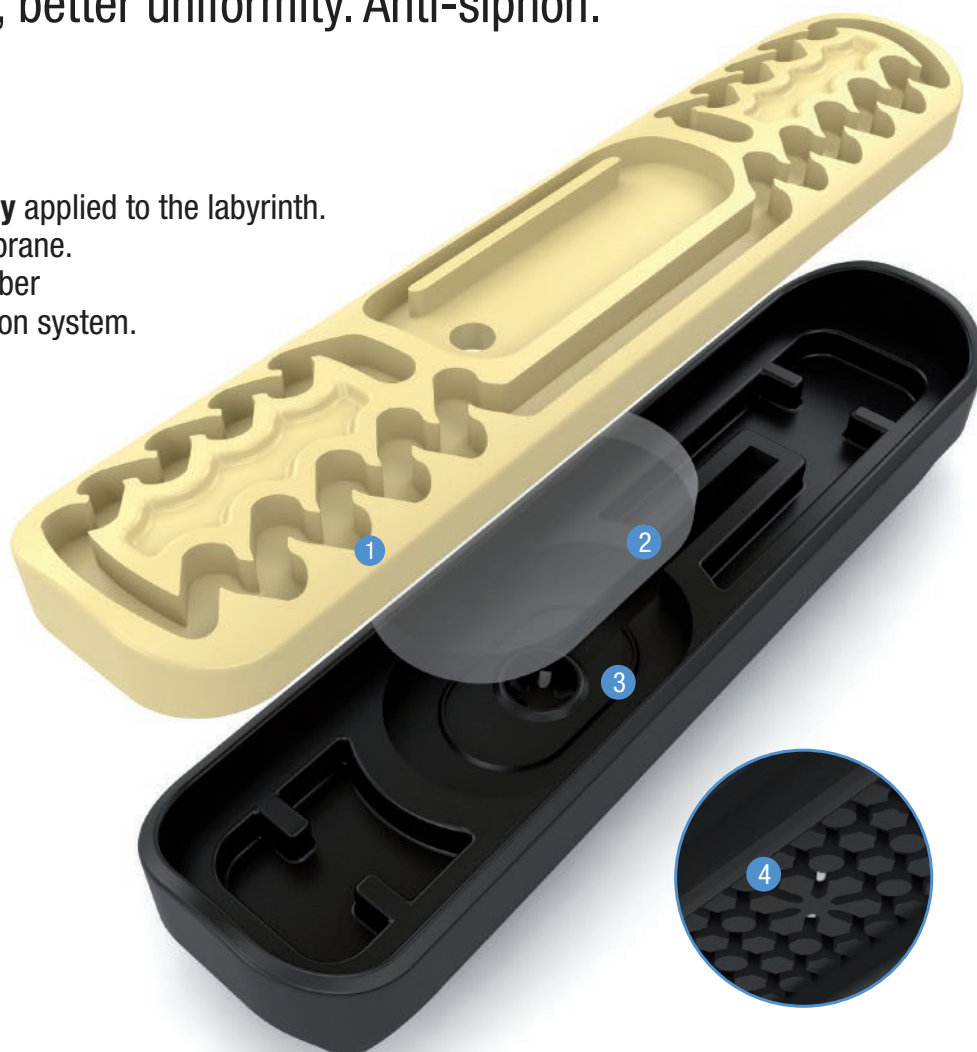


AZUD PREMIER_{PC AS}

Better technology, better uniformity. Anti-siphon.

- 1 **DS Technology** applied to the labyrinth.
- 2 **SILITEC** membrane.
- 3 **ELIPSIS** chamber
- 4 **H.E.X.** protection system.



What it is

AZUD PREMIER PC AS is the new flat Pressure Compensating dripper bond-on in multi-seasonal driplines developed by AZUD based on four key elements:

- Anti-siphon system.
- **DS Technology** applied to the labyrinth.
- **SILITEC** membrane.
- **ELIPSIS** chamber
- **H.E.X.** protection system.

Application

- Sub-surface irrigation for multiseasonal crops.
- For irrigation in intensive crops.
- For tree exploitations.
- For irrigation in greenhouses.

Advantages

- Anti-siphon system (AS): It prevents the introduction of contaminants inside the emitter.
- Maximum resistance to clogging. The design of the labyrinth, with **DS Technology** and **H.E.X.** protection system, guarantees a high resistance to clogging.
- Higher pressure-compensating range. **SILITEC** membrane, manufactured in LSR, provides high dimensional, physical, chemical and mechanical accuracy, obtaining a uniform flow rate, high performance of the dripper and higher pressure-compensating range.
- A long life of high performance. **ELIPSIS** is a pressure-compensating chamber designed to the perfect combination together with the membrane, obtaining an optimum performance for a higher work interval not only in the compensation pressures but also in the remaining of its useful life.
- Guaranteed quality. AZUD applies to each dripper a technologically advanced quality control system that guarantees to 100% its performance.



Model	AZUD PREMIER PC AS 16					AZUD PREMIER PC AS 20				
	1L	1.6L	2.3L	3L	3.5L	1L	1.6L	2.3L	3L	3.5L
Nominal flow l/h gph	0.9 0.24	1.5 0.39	2.2 0.58	2.9 0.77	3.4 0.90	0.9 0.24	1.5 0.39	2.2 0.58	2.9 0.77	3.4 0.90
Inner diameter mm in	13.70 0.54					17.20 0.68				
Nominal thickness mm mil	0.9 35		1.0 39		1.1 43	0.9 35		1.0 39		1.2 47
Maximum pressure bar psi	4.0 58		4.0 58		4.0 58	4.0 58		4.0 58		4.0 58

ISO 9261

AZUD PREMIER PC AS		Discharge Equation AZUD PREMIER $q = K \cdot h^x$		Pressure
Model		q (l/h) - h (mca)	q (gph) - h (psi)	bar psi
AZUD PREMIER PC AS	1L	$q = 0.9 \cdot h^0$	$q = 0.24 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC AS	1.6L	$q = 1.5 \cdot h^0$	$q = 0.39 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC AS	2.3L	$q = 2.2 \cdot h^0$	$q = 0.58 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC AS	3L	$q = 2.9 \cdot h^0$	$q = 0.77 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC AS	3.5L	$q = 3.4 \cdot h^0$	$q = 0.90 \cdot h^0$	0.5 - 4.0 7 - 58 psi

Nominal diameter		Wall thickness		Standard length of coil		Coils per container 20 ft	Coils per container 40 ft	Coils per container HC 40 ft
(mm)	(in)	(mm)	(mil)	(m)	(feet)			
16	0.630	0.90	35	500	1640	147	315	360
16	0.630	1.00	39	500	1640	147	315	360
16	0.630	1.10	43	500	1640	147	315	360
20	0.787	0.90	35	300	984	168	360	405
20	0.787	1.00	39	300	984	168	360	405
20	0.787	1.20	47	300	984	168	360	405

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"
		(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)	(m) (feet)
16	1L	125 410	150 492	183 600	200 656	235 771	285 935	335 1099	400 1312	500 1640	600 1969	680 2231
	1.6L	90 295	111 364	130 427	143 469	170 558	206 676	242 794	290 951	370 1214	440 1444	500 1640
	2.3L	70 230	89 292	102 335	115 377	132 433	158 518	195 640	226 741	287 942	342 1122	394 1293
	3L	58 190	76 249	85 279	98 322	111 364	135 443	160 525	189 620	240 787	286 938	330 1083
	3.5L	52 171	69 226	78 256	89 292	99 325	121 397	143 469	170 558	216 709	258 846	297 974
20	1L	244 801	294 965	342 1122	370 1214	431 1414	500 1640	575 1886	690 2264	850 2789	975 3199	1100 3609
	1.6L	174 571	210 689	244 801	269 883	309 1014	367 1204	425 1394	500 1640	600 1969	720 2362	810 2657
	2.3L	135 443	190 623	200 656	215 705	240 787	295 968	329 1079	390 1280	480 1575	570 1870	645 2116
	3L	120 394	165 541	180 591	195 640	205 673	238 781	275 902	323 1060	405 1329	472 1549	535 1755
	3.5L	102 335	127 417	143 469	160 525	180 591	215 705	245 804	293 961	362 1188	420 1378	485 1591

* Slope: 0%
 * Inlet pressure: 3 bar/44 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	TEE - CONNECTOR

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



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