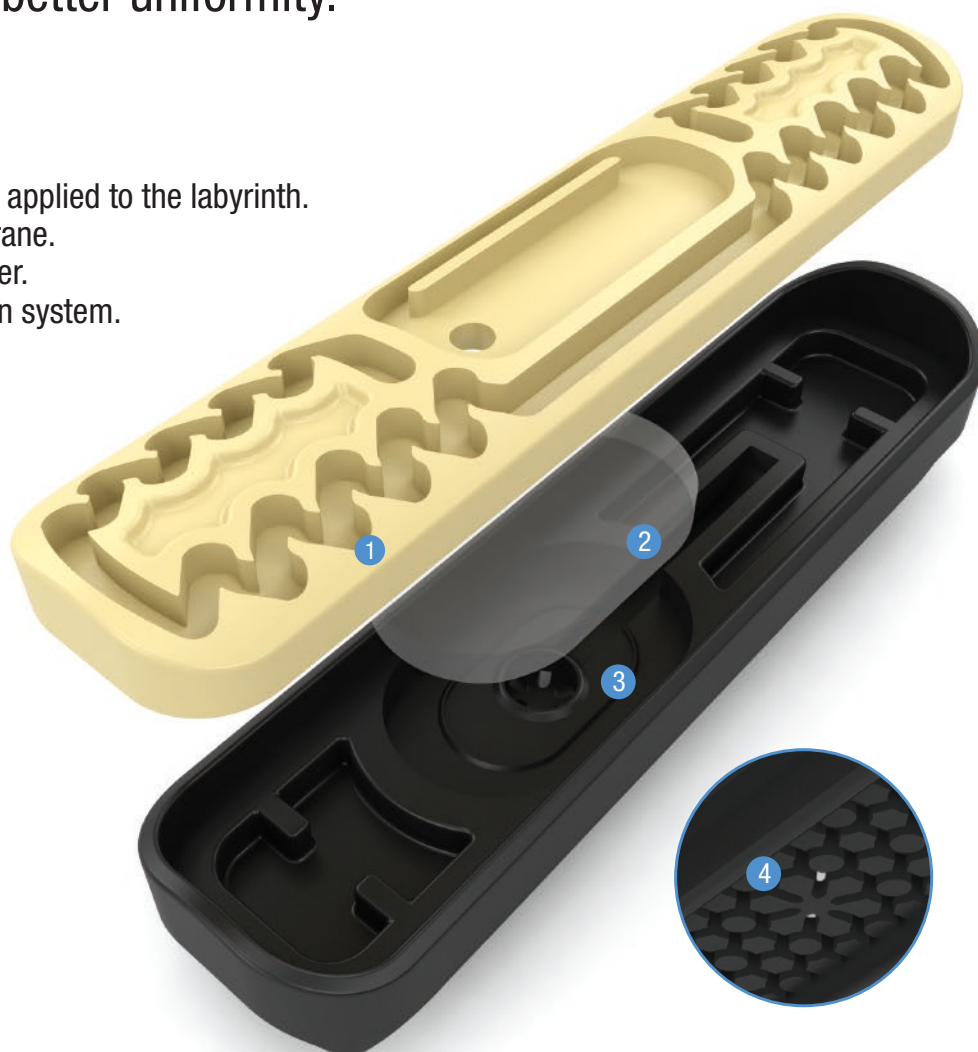


AZUD PREMIER_{PC}

Better technology, better uniformity.

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

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

Application

- For irrigation in intensive crops.
- For tree exploitations.
- For irrigation in greenhouses.



Advantages

- 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		AZUD PREMIER PC 16						AZUD PREMIER PC 20					
		1L	1.6L	2L	2.3L	3L	3.5L	1L	1.6L	2L	2.3L	3L	3.5L
Nominal flow	l/h gph	1.0 0.26	1.6 0.42	2.0 0.53	2.3 0.61	3.0 0.79	3.5 0.92	1.0 0.26	1.6 0.42	2.0 0.53	2.3 0.61	3.0 0.79	3.5 0.92
Inner diameter	mm in	13.7 0.54						17.2 0.68					
Nominal thickness	mm mil	0.9 35		1.0 39		1.1 43		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		Discharge Equation AZUD PREMIER $q = K \cdot h^x$		Pressure
Modelos		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 psi
AZUD PREMIER PC	1.6L	$q = 1.60 \cdot h^0$	$q = 0.42 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC	2L	$q = 2.00 \cdot h^0$	$q = 0.53 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC	2.3L	$q = 2.30 \cdot h^0$	$q = 0.61 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC	3L	$q = 3.00 \cdot h^0$	$q = 0.79 \cdot h^0$	0.5 - 4.0 7 - 58 psi
AZUD PREMIER PC	3.5L	$q = 3.50 \cdot h^0$	$q = 0.92 \cdot h^0$	0.5 - 4.0 7 - 58 psi

AZUD PREMIER PC

Nominal diameter		Wall thickness		Standard length of coil		Coils per container 20 ft	Coils per container HC 40 ft
(mm)	(in)	(mm)	(mil)	(m)	(feet)		
16	0.630	0.90	35	500	20	147	384
16	0.630	1.00	39	500	20	147	384
16	0.630	1.10	43	500	20	147	384
20	0.787	1.00	39	300	12	189	480
20	0.787	1.20	47	300	12	168	432

AZUD PREMIER PC

Dripline length*

Spacing between emitters*

Model	Opening																							
	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	120	394	147	482	175	574	190	623	220	722	270	886	315	1033	380	1247	485	1591	580	1903	650	2133	
	1.6L	85	279	105	344	125	410	137	449	160	525	200	656	230	755	280	919	350	1148	420	1378	480	1575	
	2L	74	243	92	300	108	354	118	388	141	462	171	561	200	657	241	790	306	1004	365	1197	419	1376	
	2.3L	67	220	83	272	98	322	107	351	127	417	155	509	182	597	220	722	279	915	330	1083	380	1247	
	3L	57	187	70	230	83	272	91	299	107	351	131	430	154	505	185	607	237	778	280	919	322	1056	
	3.5L	52	171	63	207	75	246	81	266	97	318	118	387	140	459	168	551	211	692	250	820	290	951	
20	1L	230	755	275	902	320	1050	350	1148	400	1312	480	1575	550	1804	650	2133	800	2625	900	2953	1050	3445	
	1.6L	165	541	200	656	235	771	253	830	295	968	350	1148	400	1312	475	1558	575	1886	675	2215	780	2559	
	2L	145	475	175	574	203	665	219	719	256	841	305	1001	351	1151	414	1358	510	1673	600	1969	678	2225	
	2.3L	130	427	155	509	180	591	195	640	230	755	275	902	315	1033	375	1230	465	1526	550	1804	620	2034	
	3 L	110	361	133	436	155	509	168	551	196	643	234	768	270	886	318	1043	393	1289	461	1512	520	1706	
	3.5 L	98	322	117	384	138	453	150	492	175	574	210	689	240	787	285	935	355	1165	415	1362	475	1558	

* 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 AZUD FIT RANGE			

AZUD

The Culture of Water



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