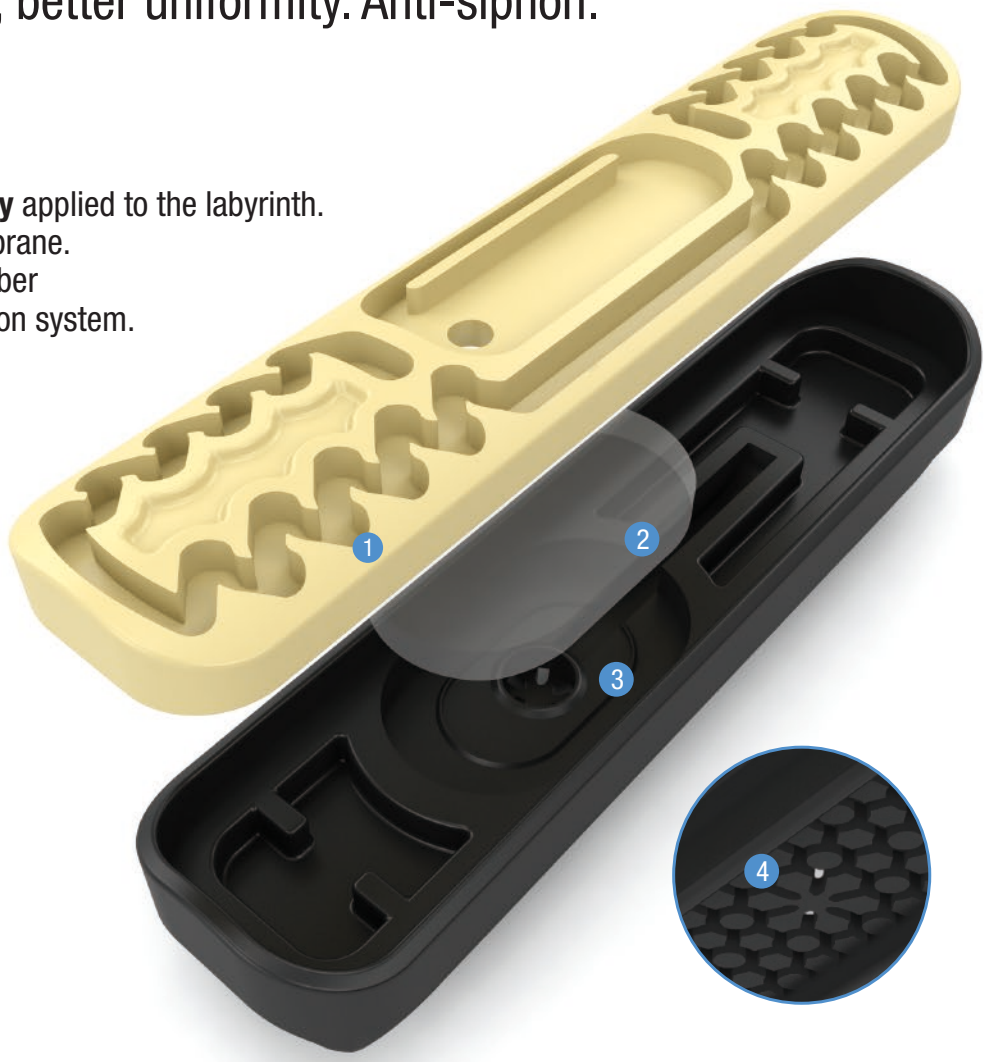
AZUD PREMIER PC AS

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 Compesating 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.

www.azud.com

Model AZUD PREMIER PC AS		AZUD PREMIER PC AS 16						AZUD PREMIER PC AS 20					
		1L	1.6L	2L	2.3L	3L	3.5L	1L	1.6L	2L	2.3L	3L	3.5L
Nominal flow	l/h | gph	0.9|0.24	1.5|0.39	1.9|0.50	2.2|0.58	2.9|0.77	3.4|0.90	0.9|0.24	1.5|0.39	1.9|0.50	2.2|0.58	2.9|0.77	3.4|0.90
Inner diameter	mm | in	13.7|0.54						17.2|0.68					
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

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	2L	$q = 1.9 \cdot h^0$	$q = 0.50 \cdot h^0$	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

AZUD PREMIER PC AS

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	1640	147	384
16	0.630	1.00	39	500	1640	147	384
16	0.630	1.10	43	500	1640	147	384
20	0.787	1.10	43	300	984	189	432

AZUD PREMIER PC AS RD

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	1.10	43	400	1312	147	384
16	0.630	1.20	47	400	1312	147	384
20	0.787	1.10	43	250	820	147	384
20	0.787	1.20	47	250	820	147	384

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
	2L	77	254	95	313	112	366	123	403	146	479	177	581	208	682	249	817	316	1037	377	1237	428	1406
	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	65	213	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
	2L	149	490	180	591	209	687	231	757	265	870	315	1033	365	1197	428	1404	530	1739	620	2034	698	2288
	2.3L	135	443	164	538	200	656	215	705	240	787	295	968	329	1079	390	1280	480	1575	570	1870	645	2116
	3L	114	374	137	450	154	522	172	564	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

DRIPLINE VALVE

TEE - CONNECTOR

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

AZUD
The Culture of Water

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