

AZUD GENIUN



Heavywall, mediumwall and thinwall thickness dripline with an integrated pressure-compensating (PC) and/or antisiphon (PC AS) flat dripper.

Ideal to maximize return on investment in irrigation systems.

Technical characteristics

- **Expected useful life:** More than 8 years
- **Dripper type:** Integrated self-compensating
- **Functionality:** PC, PC AS
- **Topography:** Uneven terrain, flat terrain
- **Type of installation:** Sub-surface and on surface



Unique selling points



Anti-clogging

Patented self-cleaning DS TECHNOLOGY labyrinth with wide flow passages
Large particle retention area in the HEX three-dimensional filter



Uniformity

Constant flow and very low CV thanks to the injected floating SILITEC membrane



Anti-roots

Root-intrusion delaying effect through the ARS physical barrier



Reliability

Only manufacturer certified in accordance with ISO 9261. Guaranteed performance and quality, backed up to 5 years warranty depending on model
High impact resistance, UV protection, and resistance to irrigation chemicals

Features

Model	Functionality	Benefit	Ideal for
PC	Pressure-compensating	It ensures uniform distribution of flow and nutrients throughout the entire system across a wide range of pressures	Irrigation on uneven terrain
PC AS	Pressure-compensating and anti-siphon	Ensures uniform flow and nutrient distribution throughout the system and prevents particles from entering the emitter in subsurface drip irrigation applications	Sub-surface drip irrigation

Dripper technical data

Functionality	Dripper	Nominal flow rate	Filtration area	K	X	Pressure-compensating range	Recommended filtration degree
		l/h	mm ²			bar	micron
PC	1L	1,00	56	1,00	0	0.4 - 4.0	130
	1.6L	1,60	56	1,60	0	0.4 - 4.0	130
	2L	2,00	56	2,00	0	0.4 - 4.0	130
	3.8L	3,80	56	3,80	0	0.4 - 4.0	130
PC AS	1L	1,00	56	1,00	0	0.4 - 4.0	130
	1.6L	1,60	56	1,60	0	0.4 - 4.0	130
	2L	2,00	56	2,00	0	0.4 - 4.0	130
	3.8L	3,80	56	3,80	0	0.4 - 4.0	130

AZUD manufacturing standard in accordance with ISO 9261

Dripline technical data

Model	Inner diameter	Thickness	Max. Pressure	KD
	mm	mm	bar	
16	16,2	0,38	2,2	0,40
	15,5	0,63	2,8	0,40
	15,5	0,7	2,9	0,40
	15,5	0,8	3	0,40
	13,9	0,9	4	0,72
	13,9	1	4	0,72
	13,9	1,1	4	0,72
	13,9	1,2	4	0,72
20	17,5	0,9	3	0,25
	17,5	1	3,5	0,25
	17,5	1,1	4	0,25
	17,5	1,2	4	0,25
22	22,2	0,38	1,8	0,18
	22,2	0,63	2,5	0,18
23	20,8	0,9	3	0,20
	20,8	1	3	0,20

Maximum dripline length (m)

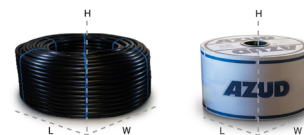
Model	Dripper	Inlet pressure	Thickness	Distance between drippers (m)								
		bar	mm	0.2	0.25	0.3	0.33	0.4	0.5	0.6	0.75	1
16	1L	2,2	0.38	187	225	261	282	328	390	447	528	649
		2,8	0.63	193	232	269	290	338	402	460	542	667
		2,9	0.7	195	235	273	295	343	407	467	551	677
		3	0.8	198	239	277	299	348	413	473	558	686
		3	0.9 - 1.2	149	182	212	230	270	323	373	443	550
	1.6L	2,2	0.38	138	166	192	208	242	287	330	390	479
		2,8	0.63	142	171	198	214	249	296	340	401	493
		2,9	0.7	144	173	201	217	252	300	344	406	500
		3	0.8	146	176	204	220	256	304	349	412	507
		3	0.9 - 1.2	110	133	156	169	198	238	275	326	405
	2L	2,2	0.38	119	143	166	180	209	249	285	337	415
		2,8	0.63	122	148	171	185	215	256	294	347	427
		2,9	0.7	124	150	174	187	218	260	298	352	433
		3	0.8	126	152	176	190	221	263	302	356	439
		3	0.9 - 1.2	95	115	135	146	171	206	238	283	351
	3.8L	2,2	0.38	78	94	110	118	138	164	189	222	274
		2,8	0.63	80	97	113	122	142	169	194	229	282
		2,9	0.7	81	98	114	123	144	171	197	232	286
		3	0.8	83	100	116	125	146	174	199	236	290
		3	0.9 - 1.2	62	76	89	96	113	136	157	186	232
20	1L	3	0.9 - 1.2	258	309	357	384	444	525	599	704	861
	1.6L	3	0.9 - 1.2	190	228	263	283	328	387	442	519	636
	2L	3	0.9 - 1.2	164	197	227	245	283	335	383	449	551
	3.8L	3	0.9 - 1.2	108	129	149	161	187	221	253	297	364
22	1L	1,8	0.38	317	378	436	469	542	639	729	854	1.043
		2,5	0.63	364	435	501	540	624	736	840	985	1.204
	1.6L	1,8	0.38	233	279	321	346	400	471	538	630	771
		2,5	0.63	268	320	369	397	460	543	620	727	889
	2L	1,8	0.38	202	241	278	299	346	408	466	546	667
		2,5	0.63	231	277	319	344	398	470	536	629	770
	3.8L	1,8	0.38	133	159	183	197	228	269	308	361	441
		2,5	0.63	152	182	210	226	262	310	354	416	509
23	1L	3	0.9 - 1	349	417	481	518	599	708	808	947	1.159
	1.6L	3	0.9 - 1	256	307	354	381	442	522	596	699	856
	2L	3	0.9 - 1	222	265	306	330	382	452	515	605	741
	3.8L	3	0.9 - 1	146	175	202	217	252	298	340	400	490

Slope: 0%

Pressure at the last dripper in the lateral line: 0.4 bar.

For longer branch line lengths, please consult our AZUD AZIS hydraulic calculation program at azis.azud.com and on the mobile apps.

Designing with branch line lengths of less than 800 meters is recommended due to improved filling time and cleaning efficiency.



Logistics data

Sales format	Model	Thickness	Packaging	Coil Lenght	Coils/Pallet	Coils/container 40'HC	Coils/truck 81m³
		mm		m			
In bulk	16	0,9	Coil	500	-	384	432
	16	1	Coil	500	-	384*	432
	16	1,1	Coil	400	-	384	432
	16	1,2	Coil	400	-	384	432
	20	1,1	Coil	250	-	384	432
	20	1,2	Coil	250	-	384	432
Palletised	16	0,38	Carton coil	1.100	12	480	528
	16	0,38	Carton coil	1.200	12	480	528
	16	0,63	Carton coil	800	12	480	528
	16	0,7	Carton coil	600	12	480	528
	16	0,8	Carton coil	500	12	480	528
	16	0,9	Coil	425	24	360	408
	16	1	Coil	425	24	360	408
	16	1,1	Coil	375	24	360	408
	16	1,2	Coil	375	24	360	408
	20	0,9	Carton coil	400	12	480	528
	20	1	Carton coil	400	12	480	528
	20	1,1	Coil	250	24	360	408
	20	1,2	Coil	250	24	360	408
	22	0,38	Carton coil	800	12	480	528
	22	0,38	Carton coil	850	12	480	528
	22	0,63	Carton coil	500	12	480	528
	23	0,9	Carton coil	350	12	480	528
	23	0,9	Carton coil	400	12	480	528
	23	1	Carton coil	350	12	480	528

Model 16 in 1 mm thickness with distance between drippers ≤ 0.20 m, bulk loading capacity per 40' HC container: 360 coils.

Related products



We recommend accessories approved by AZUD, see our range of accessories and COMPLEMENTS AZUD FIT PLUS