PC-DRIP AS-DS

DRIPPING PIPE

SELF-COMPENSATING,
ANTI-SIPHON,
ANTI-DRAIN

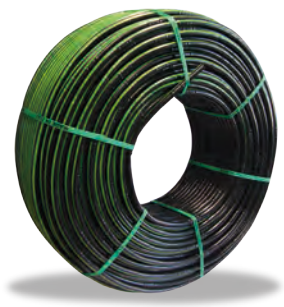
The PC-DRIP ATP AS-DS is a drip irrigation cylindric pipe in polyethylene with fast water jets self-compensating, anti-siphon and anti-drain dripping devices put in the pipe at prearranged distances.

TECHNICAL CHARACTERISTICS

- *The compensation is regular thanks to the silicone membrane within the dripper, which ensures a constant flow rate when the water pressure changes.*
- *The anti-siphon system prevents soil from being sucked in when emptying of the pipe, thus keeping the dripper always clean.*
- *Thanks to the anti-drainage system, the drop point closes at 0,35 bar to avoid emissions at the end of the irrigation cycle and to reduce the filling time to the next cycle.*

ADVANTAGES AND APPLICATIONS

- Water flow is uniform even on sloping fields.
- Increase of production quantity and quality because the water supply is calculated according to plants' needs.
- Maximum reliability in surface installations, underground (sub-irrigation) and on sloping fields.
- Highly safe from obstructions and blockage.
- Suitable for: multi-seasonal irrigation systems, irrigation of open fields, greenhouses, vegetables and fruit trees, floriculture and gardening, irrigation of sloping fields, fertirrigation, sub-irrigation and impulse irrigation systems.



PC-DRIP AS-DS

TECHNICAL DATA

ø Nominal		ID		Wall thickness		Flow Rate		Operating Pressure				Filtering	
								min		max			
mm	inch	mm	inch	lph	gph	bar	psi	bar	psi	mesh	micron
16	0,59	1,1	0,04	2,0	0,53	1,0	15	4,0	58	130	112
				4,0	1,06						
20	0,74	1,3	0,05	2,0	0,53						
				4,0	1,06						

MAXIMUM LENGTH SUGGESTED (m - ft)

ø 16 ID 0,59"	Pressure		Spacing cm						
			20	30	40	50	60	75	100
	bar	psi	Flow Rate 2 lph - 0,53 gph						
	1,0	15	56	82	107	131	152	173	231
	1,5	22	62	88	113	137	158	179	237
	2,0	29	71	101	130	157	182	206	272
	2,5	36	78	112	143	173	201	227	300
	3,0	44	84	121	155	187	217	245	324

ø 20 ID 0,74"	Pressure		Spacing cm						
			20	30	40	50	60	75	100
	bar	psi	Flow Rate 2 lph - 0,53 gph						
	1,0	15	61	87	108	129	148	174	213
	1,5	22	78	110	138	164	188	223	273
	2,0	29	90	127	159	189	218	257	316
	2,5	36	90	140	176	209	241	284	349
	3,0	44	107	151	190	227	260	307	378

ø 16 ID 0,59"	Pressure		Spacing cm						
			20	30	40	50	60	75	100
	bar	psi	Flow Rate 4 lph - 1,06 gph						
	1,0	15	34	52	68	83	98	112	149
	1,5	22	40	58	74	89	104	118	155
	2,0	29	46	66	85	103	119	135	178
	2,5	36	51	73	94	113	131	149	197
	3,0	44	55	79	101	122	142	161	213

ø 20 ID 0,74"	Pressure		Spacing cm						
			20	30	40	50	60	75	100
	bar	psi	Flow Rate 4 lph - 1,06 gph						
	1,0	15	57	81	102	121	139	163	201
	1,5	22	73	103	129	155	177	209	257
	2,0	29	84	119	149	178	204	241	297
	2,5	36	93	131	165	197	226	266	328
	3,0	44	100	141	179	213	244	288	356

PC-DRIP AS-DS

ø	Pressure		Spacing inch						
			8"	12"	16"	20"	24"	30"	39"
	bar	psi	Flow Rate 2 lph - 0,53 gph						
16	1,0	15	184	269	351	430	499	568	758
	1,5	22	203	289	371	449	518	587	778
ID 0,59"	2,0	29	233	331	427	515	597	676	892
	2,5	36	256	367	469	568	659	745	984
	3,0	44	276	397	509	614	712	804	1063

ø	Pressure		Spacing inch						
			8"	12"	16"	20"	24"	30"	39"
	bar	psi	Flow Rate 4 lph - 1,06 gph						
16	1,0	15	112	171	223	272	322	367	489
	1,5	22	131	190	243	292	341	387	509
ID 0,59"	2,0	29	151	217	279	338	390	443	584
	2,5	36	167	240	308	371	430	489	646
	3,0	44	180	259	331	400	466	528	699

ø	Pressure		Spacing inch						
			8"	12"	16"	20"	24"	30"	39"
	bar	psi	Flow Rate 2 lph - 0,53 gph						
20	1,0	15	200	285	354	423	486	571	699
	1,5	22	256	361	453	538	617	732	896
ID 0,74"	2,0	29	295	417	522	620	715	843	1037
	2,5	36	295	459	577	686	791	932	1145
	3,0	44	351	495	623	745	853	1007	1240

ø	Pressure		Spacing inch						
			8"	12"	16"	20"	24"	30"	39"
	bar	psi	Flow Rate 4 lph - 1,06 gph						
20	1,0	15	187	266	335	397	456	535	659
	1,5	22	240	338	423	509	581	686	843
ID 0,74"	2,0	29	276	390	489	584	669	791	974
	2,5	36	305	430	541	646	741	873	1076
	3,0	44	328	463	587	699	801	945	1168

PACKAGING

			STANDARD PACKAGING LOAD						NOT STANDARD	
ø	Thickness		Roll lenght		Pallet 41x41x47 inch 105x105x120 cm	Container 20"	Container 40"	TIR 14 m	Roll lenght	
mm inch	mm	inch	m	ft	rolls	rolls	rolls	rolls	m	ft
16 0,59	1,1	0,04	400	1312	-	120	400	450	200-100-50-25	656-328-164-82
20 0,74	1,3	0,05	300	984	-	100	350	400	150-100-50-25	492-328-164-82

CERTIFIED PRODUCT ISO 9261

AVANZATE TECNOLOGIE PLASTICHE
AVANZADAS TECNOLOGÍAS EN PLÁSTICO