

# PC-DRIP ATP AS-DS DRIPPING PIPE

## SELF-COMPENSATING, ANTI-SIPHON, ANTI-DRAIN

Dripping pipe realized on a cylindrical pipe in polytelene with fast water jets self-compensating, anti-siphon and anti-drain dripping device.

- The self-compensating dripper guarantees a perfect flow uniformity thanks to the silicone membrane inserted inside it, that acts as a mechanical brake.
- The anti-siphon system prevents the suction of earth during the emptying of the pipe, so as to keep the dripper always clean.
- The anti-drainage system avoids emissions at the end of the irrigation cycle and reduces the filling time to the next cycle: the dripper opens and closes at 0.35 bar. When the irrigation system is switched off, the dripper closes and the pipe does not continue to drip while remaining full.

**PC-DRIP ATP AS-DS** is ideal for multi-year irrigation systems with sloping soils, sub-irrigation, fertirrigation and crop systems that require maximum flow accuracy.



## APPLICATION FIELDS



tree crops



protected crops



multi-season crops



vegetables and fruit



open field crops



fertirrigation



floriculture and gardening



sloping soils



sub-irrigation

## FEATURES AND BENEFITS

- Increases in quantity and quality of production
- Water and fertilizer saving, which percentage of use can be calculated exactly according to the flow rate of drippers and the rows length
- Maximum reliability in surface, sub-irrigation and slope soils
- High safety against clogging, thanks to the advanced dripper structure
- Flow rate uniformity over the entire length of the plant even on slopes
- No earth suction inside the dripper at the end of the irrigation cycle
- No emptying of the pipe at the end of the irrigation cycle
- Reduced filling time
- Low labour costs
- 100% recyclable

## TECHNICAL SPECIFICATIONS

- Labyrinth with large internal passages
- Dripper welded to the inner wall during extrusion
- Dripper with very low CV (coefficient of variation of production)
- Two different flow rate
- Operating pressure: from 1 bar to 3 bar
- Maximum pressure: 3 bar
- Recommended filtration: minimum 130 mesh

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### RANGE

External diameter	mm	16 - 20	
Thickness	mm	Ø16	Ø20
		1,1	1,3
Flow rate	l/h	2 - 4	
Operating pressure	bar	1,0 → 3,0	
Max pressure	bar	4,0	
Dripping devices distance	cm	20 → 100	
Filtering	mesh	≥ 130	

### MAXIMUM LENGHT SUGGESTED (m) - SLANT 0%

DIAMETER 16 mm							
PRESSURE bar	2 l/h						
	20	30	40	50	60	75	100
1,0	56	82	107	131	152	173	231
1,5	62	88	113	137	158	179	237
2,0	71	101	130	157	182	206	272
2,5	78	112	143	173	201	227	300
3,0	84	121	155	187	217	245	324

DIAMETER 20 mm							
PRESSURE bar	2 l/h						
	20	30	40	50	60	75	100
1,0	61	87	108	129	148	174	213
1,5	78	110	138	164	188	223	273
2,0	90	127	159	189	218	257	316
2,5	90	140	176	209	241	284	349
3,0	107	151	190	227	260	307	378

PRESSURE bar	4 l/h						
	20	30	40	50	60	75	100
1,0	34	52	68	83	98	112	149
1,5	40	58	74	89	104	118	155
2,0	46	66	85	103	119	135	178
2,5	51	73	94	113	131	149	197
3,0	55	79	101	122	142	161	213

PRESSURE bar	4 l/h						
	20	30	40	50	60	75	100
1,0	57	81	102	121	139	163	201
1,5	73	103	129	155	177	209	257
2,0	84	119	149	178	204	241	297
2,5	93	131	165	197	226	266	328
3,0	100	141	179	213	244	288	356

### STANDARD

- UNI EN ISO 9261:2010
- UNI EN ISO 9001:2015
- UNI EN ISO 14001:2015

### PACKING

	ROLL LENGHT (m)	
	standard	garden
Ø 16	400	200 / 100 / 50 / 25
Ø 20	300	150 / 100 / 50 / 25

