

NEW

ULTRA DRIP



Exclusive protective filter



Advantages

- ✚ Highest clogging resistance
- ✚ From 6 mil to 15 mil
- ✚ Flows: 0,8 l/h, 1 l/h, 1,3 l/h, 1,6 l/h y 2,5 l/h
- ✚ Mini size dripper = Economical solution
- ✚ Uniformity 2% CV



ULTRA DRIP

In this technical communication we want to highlight the characteristics, features and benefits of our **ULTRA – dripper**.

● Applications

- + Vegetables.
- + Flowers.
- + Sugarcane & biofuel crops.

● Characteristics

- + Asymmetrical, non-compensating flat dripper.
- + Cost effective due to optimized design.
- + Superior flow rate characteristics.
- + Ease of operational handling.
- + Excellent cost performance ratio.
- + High clogging resistance, higher than other bigger drippers.

● Specifications

- + Tube wall thickness: 5 - 25mil (0.15-0.63 mm).
- + Tube diameter Ø12 to Ø27mm.
- + Flow rates: 0,8 l/h, 1 l/h, 1,3 l/h, 1,6 l/h y 2,5 l/h.
- + Cv <3%.
- + Pressure range: 0.4-2.5 Bar.
- + Recommended filtration: 130/120 micron/mesh.

● Technical characteristics

Flow rate [L/h]	Water passage [mm] Width-Depth-Length	Filtration area [mm ²]	Constant K	Exponent X	Recommened filtration Micron/Mesh
1.0	0.5*0.60*18	8	0.347	0.46	130/120
1.35	0.5*0.65*18	8	0.451	0.46	130/120

1.0 L/h, IDØ16.0mm, 1.0 Bar inlet pressure at different dripper distance [m] - 10% flow variation, KD 0.1										
Nom flow	Slope [%]	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8
1.0 L/h	2%	63	70	73	85	93	98	101	104	105
	1%	67	81	90	112	128	142	152	161	168
	0	68	89	108	144	176	205	231	256	279
	-1%	69	97	124	173	219	264	308	351	394
	-2%	75	109	142	205	268	333	408	491	584

1.35 L/h, IDØ16.0mm, 1.0 Bar inlet pressure at different dripper distance [m] - 10% flow variation, KD 0.1										
Nom flow	Slope [%]	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8
1.35 L/h	2%	58	65	69	81	89	94	98	101	102
	1%	61	74	83	104	119	133	143	152	159
	0	62	81	98	130	159	185	209	232	253
	-1%	63	87	111	154	195	234	273	311	348
	-2%	64	93	126	181	236	291	346	401	456

● The best clogging resistance

• Clogging performance achieved by:

+ Protective filter

- Large filtration area.
- Narrow entrance.



+ Modern labyrinth design

- High water turbulence.
- Wide water passages.
- Very low flow exponent of 0.46.



+ Sand protective barrier

