Irrigation Drip Tape

In order to increase the efficiency of the production in the agricultural field, it is absolutely important the sustainable consumption of water. The biggest amount of water is used in farms and in row planting irrigated by ridge and furrow techniques.The deep penetration of water and its vaporization, are influential factors in the reduction of the efficiency of the traditional methods of irrigation.

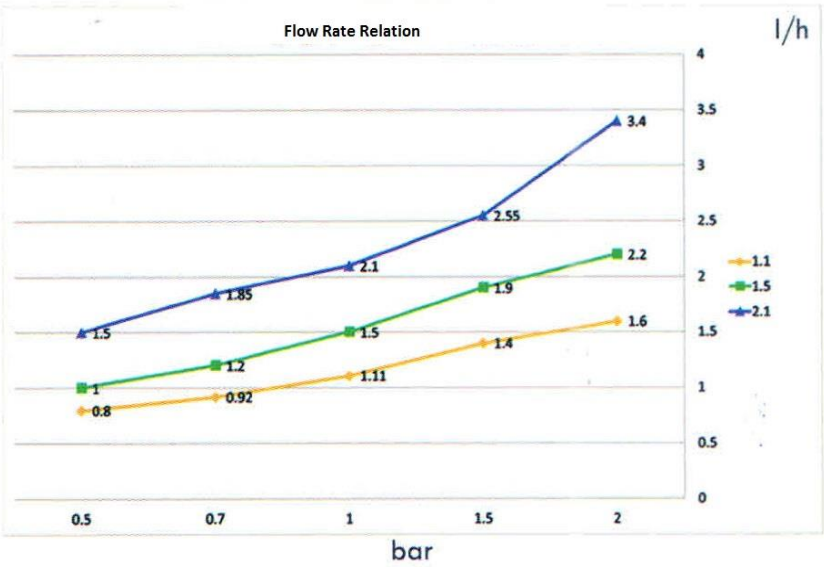
In order to prevent the waste of water and to maximize the irrigation efficiency, it has been carried out an extensive research that, together with the design and the production of the Drip Tape, has reached a turning point in the field of agriculture and especially in the field of irrigation techniques.

Drip Tape is applicable for greenhouses, row planting and intensive cultivation of different products and vegetables such as tomato, corn and potato. Since it does not require a land leveling and that it prevents the increase of the growth of weeds, Drip Tape has been absolutely conducive to agricultural economics.

Even irrigating the surface of the ground and keeping the remaining water in the soil of the area where is needed, the Drip Tape prevents the suffocation of the plants and provides an optimum condition for the growth of the plants thanks to the decrease of the time of growth, due to the reduction of water stress or shortage the efficiency increases.

Specification

1. Quick installation capability
2. High irrigation efficiency
3. Normal diameters of 16 and 22 mm
4. Trickle irrigation with vortex current emitters and low coefficient of variations
5. Irrigation consists in Drip Tapes designing the entry of the emitter in a netted form for repeated infiltrations.
6. Possible utilization of an emitter with a dual output for better discharge of water and also the prevention of total clogging of the emitter
7. Manufactured from the finest material and resistant to environmental temperature
8. Capability of producing with preferred distance of emitters based on cultivation circumstances 10,20,300 and 50 Cm
9. Dynamic pressure from 0,5 to 2,0 bars
10. Capability of producing with different thicknesses based on the cultivation circumstances from 200 to 600 microns
11. Applicable in various types of row cropping, climate and greenhouses (with respect to installation and utilization standards)
12. Sustainable and lower consumption of water in unit area



Normal flow rate lpl at 1 bar	Pressure 0.5 bar	0.7 bar	1.0 bar	1.5 bar	2.0 bar	recommended filtration
	(lph)					
1.10	0.80	0.92	1.11	1.40	1.60	155 mesh
1.50	1.00	1.20	1.50	1.90	2.20	155 mesh
2.10	1.50	1.85	2.10	2.55	3.40	120 mesh

Polyethylene pipe characteristics

Nominal ø (mm)	I.D. (mm)	O.D.	Wall thickness	Maximum working (bar)
16	16	16.35	0.18	0.7
		16.40	0.20	0.8
		16.50	0.25	1.0
		16.60	0.30	1.2
		16.80	0.40	1.5
		16.90	0.45	1.7
		17.20	0.60	2.0
22	22	22.40	0.20	0.7
		22.50	0.25	0.8
		22.60	0.30	0.9
		22.80	0.40	1.1
		22.90	0.45	1.3
		23.20	0.60	1.7