

Applications

- Where uniform and reliable application of water, fertilizers and chemicals is important.
- Used for trouble-free subsurface drip irrigation of most row crops, fruits and flower beds.
- Strawberries and other berries, tomatoes, peppers, onions and garlic are some of the major row crops grown using V-Rain Tape.

Features & Benefits

- Inlet filters and turbulent flowpath require only 150 mesh filtration for all flow rates and make it resistant to plugging.
- Emitter spacings of 4" to 12" allows flow rate to match soil type and field length.
- Made with highest quality polyethylene resins for added strength and resistance to UV rays and chemicals.
- High uniformity with low coefficient of variation ($C_v \approx 0.03$) saves fertilizers, chemicals and water and increases profit.



Short Reels



Performance Chart

Length of Tape on Flat Land, ft. / m					
Flow Rate		Efficiency	Outlet Spacing, inches / cm		
gph/outlet	lph/outlet		4" / 10cm	8" / 20cm	12" / 30cm
0.16	0.60	85	492 / 150	755 / 230	984 / 300
0.26	1.00	85	328 / 100	512 / 156	656 / 200
0.40	1.50	85	279 / 85	407 / 124	505 / 154
0.16	0.60	90	413 / 126	620 / 189	787 / 240
0.26	1.00	90	295 / 90	443 / 135	561 / 171
0.40	1.50	90	230 / 70	328 / 100	427 / 130



Specifications

Thickness		Length/roll		Max. Inlet Pressure		Op. Pressure	C Factor	
mil	feet	m	psi	bar	psi	rolls/acre	rolls/ha	
5	12,500	3,810	11.5	0.80	10.0	41.8	2.625	
6	10,000	3,048	13.0	0.90	10.0	52.3	3.281	
8	7,500	2,286	14.5	1.00	10.0	69.7	4.371	
10	6,000	1,828	17.5	1.20	10.0	87.1	5.471	
12	5,000	1,524	21.5	1.50	10.0	104.5	6.562	

To calculate rolls required for an area:

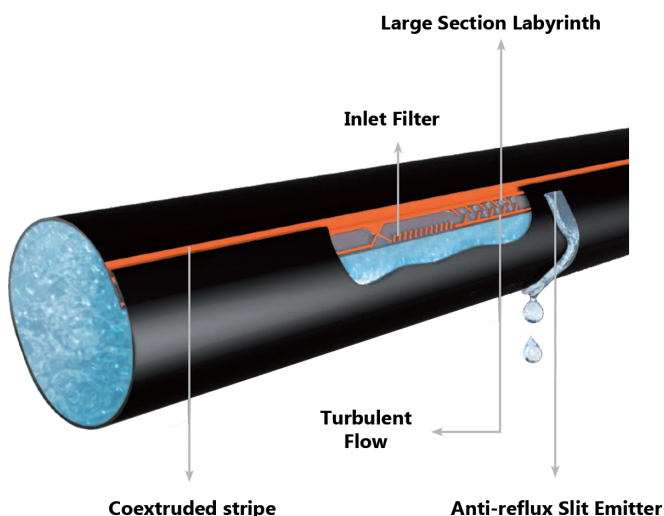
Rolls/acre = C Factor/Row Spacing (in).

Rolls/ha = C Factor/Row Spacing (m).

Secondary Chamber Details



Flow Rate Information



Coefficient of Manufacturing Variability $\approx$ 0.03

Part Number	Emitter Spacing		Emitter Flow Rate	
	in	cm	gpm/100ft	lph/m
Emitter flow rate: 0.16 gph (0.6 lph)				
5xx8004yyyV	4	10	0.81	6.00
5xx4008yyyV	8	20	0.40	10.00
5xx2712yyyV	12	30	0.27	15.00
Emitter flow rate: 0.26 gph (1.0 lph)				
5xx1304yyyV	4	10	1.34	10.00
5xx6708yyyV	8	20	0.67	5.00
5xx4512yyyV	12	30	0.45	3.33
Emitter flow rate: 0.41 gph (1.5 lph)				
5xx2004yyyV	4	10	2.00	15.00
5xx1008yyyV	8	20	1.00	7.50
5xx6712yyyV	12	30	0.67	5.00

Notes:

xx denotes mil thickness (05, 06, 08, 10 and 12)

yyy denotes roll length in feet:

120 = 12500', 100 = 10,000', 070 = 7,500', 060 = 6,000',

050 = 5,000'.

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