

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

- Accurately-defined flow path created by using double extrusion technology provides high irrigation efficiency and uniform production.
- Seamless external body adds strength and reduces maintenance issues.
- 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.
- 12 mil dripless tube available for layflat connection.



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 |

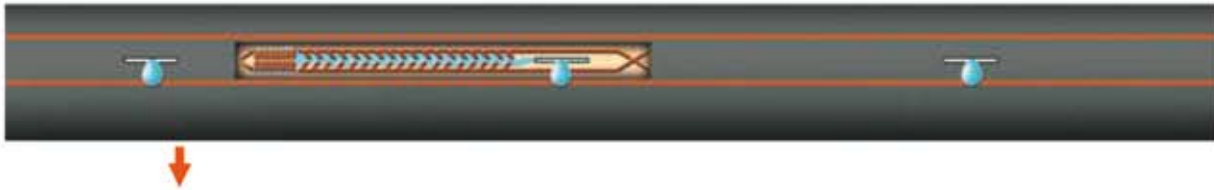


Excel Tape™

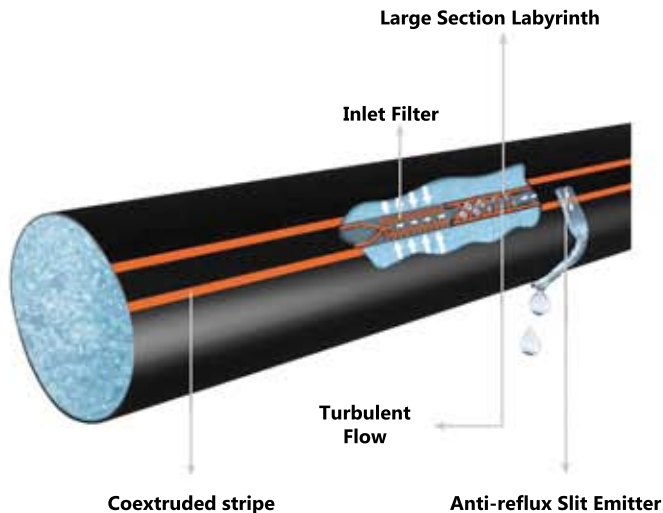
Specifications

| 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



Coefficient of Manufacturing Variability ≈ 0.03

Flow Rate Information

| 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 | 3.00 |
| 5xx2712yyyV | 12 | 30 | 0.27 | 2.00 |
| 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 = 12,500', 100 = 10,000', 070 = 7,500', 060 = 6,000',
 050 = 5,000'.