

Appendix B

Table B.1 Wall Thickness - 9 mil Operating Pressure Range - 4-15 psi Operating Pressure - 8 psi		Rain Tape - 5/8 in. I.D. Length of Run in Feet						
Flow Rate @ 8 psi	Outlet Spacing	EU	Percent Slope					
			Uphill			Downhill		
			2%	1%	0%	1%	2%	3%
0.66 gpm / 100 ft	8"	90%	150	240	370	470	510	500
		85%	270	360	500	610	660	670
		80%	330	430	580	710	760	770
0.44 gpm / 100 ft	12"	90%	170	270	470	630	650	580
		85%	300	430	650	810	860	870
		80%	380	520	750	940	990	1000
0.33 gpm / 100 ft	16"	90%	170	290	580	770	770	700
		85%	310	480	770	1000	1040	1040
		80%	400	580	900	1150	1190	1200

from: **RAINBIRD®**

Table B.2 - metric Wall Thickness - 9 mil Operating Pressure - 55 kpa (0.55 bar)		Rain Tape - 16 mm I.D. (5/8 in. I.D.) Length of Run in Meters						
Flow Rate @ 55 kpa	Outlet Spacing	EU	Percent Slope					
			Uphill			Downhill		
			2%	1%	0%	1%	2%	3%
4.92 LPH/m	20 cm	90%	46	73	113	143	155	152
		85%	82	110	152	186	201	204
		80%	101	131	177	216	323	235
3.28 LPH/m	30 cm	90%	52	82	143	192	198	177
		85%	91	131	198	247	262	265
		80%	116	158	229	286	302	305
2.46 LPH/m	40 cm	90%	52	88	177	235	235	213
		85%	94	146	235	305	317	317
		80%	122	177	274	351	363	366

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Table B.3 Wall Thickness Operating Pressure Range		4 6 10 ml 4-8 4-10 4-15 psi				T-Tape TSX 300 - 3/8 in . I.D. Length of Run in Feet													
		Flow Rate @ 8 psi		Outlet Spacing		EU		Uphill					Downhill						
		gpm per 100 ft	LPH per 100 m	in	cm			2%	1%	0%	1%	2%	3%	2%	1%	0%	1%	2%	3%
1.00	750	4	10	90%	100	116	136	105	113	124	140	128	148	168	188	208	228	248	268
0.34	250	8	20	85%	200	233	266	180	200	220	240	260	280	300	320	340	360	380	400
0.67	500	8	20	80%	106	136	166	118	144	170	200	233	264	295	326	357	388	419	450
0.22	170	12	40	90%	140	222	277	217	320	400	484	140	222	306	390	474	558	642	726
0.45	340	12	40	85%	120	170	210	150	200	228	255	120	170	210	250	290	330	370	410
				80%															

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Table B.4 Wall Thickness Operating Pressure Range		4 6 8,10,15 mil 4-8 4-10 4-15 psi				T-Tape TSX 500 - 5/8 in. I.D. Length of Run in Feet														
		Flow Rate @ 8 psi		Outlet Spacing		EU		Percent Slope						Downhill						
		gpm per 100 ft	LPH per 100 m	in	cm			Uphill		0%				1%		2%		3%		
1.0	750	4	10	90%	134	200	260	320	340	350	208	265	342	414	450	248	315	484	514	526
0.34	250	8	20	90%	175	300	550	700	700	166	268	420	725	900	850	342	514	1050	1050	1025
0.67	500	8	20	90%	150	220	350	425	450	433	239	314	450	550	575	300	384	650	680	680
0.22	170	12	30	90%	175	300	700	900	800	166	280	475	933	1200	1000	368	600	1400	1333	1250
0.45	340	12	30	90%	150	266	466	600	600	500	250	380	600	733	733	322	456	875	875	860
0.17	125	16	40	90%	175	333	900	1100	250	150	300	1100	1333	1666	1450	385	650	1666	1600	1450
0.34	250	16	40	90%	175	300	550	700	700	166	280	420	725	900	850	352	514	1050	1050	1025
0.44	330	18	45	90%	175	266	500	633	633	500	268	400	650	800	800	339	485	950	950	925
0.28	210	24	60	90%	175	333	650	850	800	166	300	475	833	1033	1033	385	580	1200	1200	1166

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TSYSTEMS INTERNATIONAL, INC.®

Table B.5 Wall Thickness Operating Pressure Range		8		10, 15 mil		4-10		4-15 psi		T-Tape TSX 700 - 7/8 in . I.D.					
		Flow Rate @ 8 psi		LPH per 100 m		Outlet Spacing		EU		Length of Run in Feet					
gpm per 100 ft	LPH per 100 m	in	cm	EU		Uphill			Downhill						
				2%	1%	0%	1%	2%	3%						
0.22	170	12	30	90%	350	1300	1500	175	200	1500	1500	200	150	150	
				85%	566	1650	2100	300	1600	1650	2100	1600	300	300	
				80%	725	1950	2400	400	2150	1950	2400	2150	550	550	
0.45	340	12	30	90%	300	800	1050	175	250	800	1050	250	150	150	
				85%	500	1050	1350	300	1250	1050	1350	1250	1000	1000	
				80%	625	1233	1566	385	1500	1233	1566	1500	1400	1400	
0.34	250	16	40	90%	333	1000	1250	175	250	1000	1250	250	150	150	
				85%	533	1250	1600	300	1400	1250	1600	1400	333	333	
				80%	675	1500	1900	400	1750	1500	1900	1750	1550	1550	
0.44	330	18	45	90%	333	900	1100	175	250	900	1100	250	150	150	
				85%	500	1150	1450	300	1350	1150	1450	1350	350	350	
				80%	650	1350	1700	382	1600	1350	1700	1600	1450	1450	
0.28	210	24	60	90%	350	1150	1400	200	250	1150	1400	250	166	166	
				85%	600	1450	1850	320	1600	1450	1850	1600	350	350	
				80%	733	1700	2150	417	2000	1700	2150	2000	800	800	

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Table B.6 Wall Thickness Operating Pressure Range		10, 15 mil 4-15 psi		T-Tape Tree and Vine 5/8" I.D.													
		Flow Rate @ 8 psi		Outlet Spacing		Length of Run in Feet						Percent Slope					
		gpm per 100 ft	LPH per 100 m	in	cm	Uphill		Downhill		0%		1%		2%		3%	
0.28	210	24	60	90%	175	333	650	850	166	333	650	850	166	333	650	850	
				85%	300	175	833	1033	950	175	833	1033	950	175	833	1033	
				80%	385	580	975	1200	1166	385	580	975	1200	1166	385	580	
0.42	310	24	60	90%	175	300	500	633	600	175	300	500	633	600	175	300	
				85%	280	400	625	775	800	280	400	625	775	800	280	400	
				80%	350	500	740	920	920	350	500	740	920	920	350	500	
0.28	210	36	91	90%	200	333	650	850	166	200	333	650	850	166	200	333	
				85%	300	475	833	1050	1000	300	475	833	1050	1000	300	475	
				80%	385	580	975	1225	1166	385	580	975	1225	1166	385	580	
0.57	420	36	91	90%	175	266	425	500	500	175	266	425	500	500	175	266	
				85%	268	368	534	650	675	268	368	534	650	675	268	368	
				80%	330	439	617	760	780	330	439	617	760	780	330	439	
0.24	180	42	107	90%	200	333	700	900	166	200	333	700	900	166	200	333	
				85%	300	500	900	1133	1050	300	500	900	1133	1050	300	500	
				80%	385	600	1050	1333	1233	385	600	1050	1333	1233	385	600	
0.48	355	42	107	90%	175	266	450	566	550	175	266	450	566	550	175	266	
				85%	268	380	575	700	725	268	380	575	700	725	268	380	
				80%	333	456	668	820	840	333	456	668	820	840	333	456	
0.21	155	48	122	90%	200	350	800	1000	166	200	350	800	1000	166	200	350	
				85%	317	525	1000	1250	1100	317	525	1000	1250	1100	317	525	
				80%	400	640	1166	1466	1350	400	640	1166	1466	1350	400	640	
0.42	310	48	122	90%	175	300	500	633	600	175	300	500	633	600	175	300	
				85%	280	417	625	755	800	280	417	625	755	800	280	417	
				80%	352	500	740	920	920	352	500	740	920	920	352	500	

from:  **Tape**
TSYSTEMS INTERNATIONAL, INC.

Table B.7 Wall Thickness Operating Pressure Range		10, 15 mil 4-15 psi			T-Tape TSX Tree and Vine 7/8" I.D.													
		Flow Rate @ 8 psi		Outlet Spacing		Length of Run in Feet				Percent Slope				Length of Run in Feet				
		gpm per 100 ft	LPH per 100 m	in	cm	EU		Uphill		Downhill		Uphill		Downhill				
							2%	1%	0%	1%	2%	3%	2%	1%	0%	1%	2%	3%
0.28	210	24	60	90%	EU	200	350	1150	1400	250	166	200	350	1150	1400	250	166	
						320	600	1450	1850	1600	350	320	600	1450	1850	1600	350	
						417	733	1700	2150	2000	417	733	1700	2150	2000	800		
0.42	310	24	60	90%	EU	200	350	900	1100	250	166	200	350	900	1100	250	166	
						320	533	1133	1450	1350	320	533	1133	1450	1350	1100		
						414	675	1333	1650	1600	414	675	1333	1650	1600	1500		
0.28	210	36	91	90%	EU	200	350	1150	1500	250	166	200	350	1150	1500	250	166	
						320	600	1500	1900	1600	320	600	1500	1900	1600	350		
						420	750	1750	2200	2000	420	750	1750	2200	2000	800		
0.57	420	36	91	90%	EU	200	333	750	950	900	166	200	333	750	950	900	166	
						317	500	933	1200	1150	317	500	933	1200	1150	1100		
						400	620	1100	1400	1366	400	620	1100	1400	1366	1300		
0.24	180	42	107	90%	EU	200	350	1250	1500	250	166	200	350	1250	1500	250	166	
						320	600	1600	2000	1700	320	600	1600	2000	1700	350		
						417	750	1850	2350	2150	417	750	1850	2350	2150	600		
0.48	355	42	107	90%	EU	200	350	800	1000	900	166	200	350	800	1000	900	166	
						300	525	1000	1300	1250	300	525	1000	1300	1250	1100		
						400	640	1200	1500	1466	400	640	1200	1500	1466	1666		
0.21	155	48	122	90%	EU	200	400	1400	1700	250	166	200	400	1400	1700	250	166	
						325	600	1800	2200	1700	325	600	1800	2200	1700	1100		
						434	775	2050	2600	2300	434	775	2050	2600	2300	1366		
0.42	310	48	122	90%	EU	200	350	900	1100	300	166	200	350	900	1100	300	166	
						320	533	1133	1450	1350	320	533	1133	1450	1350	1100		
						414	675	1333	1650	1600	414	675	1333	1650	1600	1500		

from:  **Tape**
SYSTEMS INTERNATIONAL, INC.