



PREMIUM DRIP TAPES

PERFORMANCE CHARTS

AQUA-TRAXX®

FLOWCONTROL™

AQUA-TRAXX®

Emitter Flow Part Number	Q-100 gpm/100 ft
0.07 gph emitter	
EAXxx0817	0.17
EAXxx1609	0.09
0.09 gph emitter	
EAXxx0822	0.22
EAXxx1611	0.11
0.10 gph emitter	
EAXxx0825	0.25
EAXxx1613	0.13
0.13 gph emitter	
EAXxx0467	0.67
EAXxx0644	0.44
EAXxx0834	0.34
EAXxx1222	0.22
EAXxx1617	0.17
EAXxx1814	0.14
EAXxx2411	0.11
0.15 gph emitter	
EAXxx0650	0.50
EAXxx1225	0.25
EAXxx1817	0.17
0.20 gph emitter	
EAXxx04100	1.00
EAXxx0667	0.67
EAXxx0850	0.50
EAXxx1234	0.34
EAXxx1625	0.25
EAXxx1822	0.22
EAXxx2417	0.17
0.27 gph emitter	
EAXxx04134	1.34
EAXxx0690	0.90
EAXxx0867	0.67
EAXxx1245	0.45
EAXxx1634	0.34
EAXxx1830	0.30
EAXxx2422	0.22
0.34 gph emitter	
EAXxx04168	1.68
EAXxx06112	1.12
EAXxx0884	0.84
EAXxx1256	0.56
EAXxx1642	0.42
EAXxx1838	0.38
EAXxx2428	0.28
0.53 gph emitter	
EAXxx04265	2.65
EAXxx08133	1.33
EAXxx1288	0.88
EAXxx1666	0.66
EAXxx2444	0.44
EAXxx3629	0.29

5/8" DIAMETER

Length of Run (ft) @ 10 psi for 90% EU

Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.09	240	456	1441	1874	318
0.11	259	481	1298	1719	368
0.13	237	442	1148	1523	337
0.14	256	462	1074	1424	1249
0.17	255	454	999	1324	1216
0.22	249	424	835	1095	1074
0.25	246	411	762	987	996
0.28	243	397	699	910	924
0.29	243	392	687	885	907
0.30	243	387	674	874	896
0.34	240	381	645	824	849
0.38	236	362	586	737	774
0.42	231	347	544	683	772
0.44	231	343	537	674	712
0.45	230	341	524	650	695
0.50	224	324	487	608	649
0.56	218	311	449	555	597
0.66	212	291	410	499	537
0.67	212	293	412	505	544
0.84	196	261	349	418	449
0.88	193	256	341	406	437
0.90	193	255	337	399	431
1.00	187	240	312	372	399
1.12	180	228	291	341	368
1.33	169	211	262	305	330
1.34	168	209	259	299	324
1.68	155	186	224	256	277
2.65	128	145	168	187	202

3/8" DIAMETER

Length of Run (ft) @ 10 psi for 90% EU

Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.09	240	474	2532	649	308
0.11	262	512	2276	774	343
0.13	240	473	2018	712	310
0.14	261	506	1899	2357	348
0.17	261	505	1763	2241	349
0.22	259	493	1468	1924	356
0.25	259	486	1340	1771	362
0.28	258	479	1233	1641	374
0.29	258	474	1207	1599	374
0.30	258	474	1191	1574	379
0.34	256	468	1134	1499	1244
0.38	256	456	1024	1365	1233
0.42	253	447	949	1263	1185
0.44	253	443	933	1224	1166
0.45	253	442	922	1216	1157
0.50	252	431	862	1132	1099
0.56	249	418	796	1037	1033
0.66	246	399	720	933	947
0.67	246	404	724	945	958
0.84	237	372	612	783	812
0.88	237	367	599	762	796
0.90	237	362	591	749	787
1.00	233	349	554	698	736
1.12	228	336	512	637	674
1.33	221	312	462	572	611
1.34	218	312	456	562	604
1.68	209	284	393	479	516
2.65	183	231	297	349	375

HOW TO DETERMINE LENGTH OF RUN

1. Find the Q-100 (gpm/100 ft) that corresponds to desired Emitter Flow Part Number.
2. Go to desired Tubing Diameter chart and match the Q-100 (identified above) with desired slope % (uphill = negative, downhill = positive) to find length of run in feet.

AQUA-TRAXX®

1" DIAMETER

Length of Run (ft) @ 10 psi for 90% EU

Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.09	240	481	3103	633	306
0.11	262	518	2798	723	341
0.13	240	474	2473	658	308
0.14	262	512	2328	772	343
0.17	262	512	2151	2501	343
0.22	261	506	1799	2276	349
0.25	259	499	1642	2121	349
0.28	259	493	1516	1974	356
0.29	259	493	1474	1940	356
0.30	259	493	1449	1920	356
0.34	259	487	1390	1824	362
0.38	258	481	1263	1674	368
0.42	258	473	1171	1549	381
0.44	256	468	1138	1517	1224
0.45	256	468	1124	1499	1244
0.50	256	461	1049	1399	1247
0.56	253	449	974	1290	1199
0.66	252	436	883	1160	1123
0.67	252	437	894	1174	1132
0.84	246	406	749	974	986
0.88	246	405	735	949	962
0.90	246	399	724	937	949
1.00	243	387	674	874	897
1.12	240	374	624	799	832
1.33	234	356	568	712	749
1.34	234	350	561	708	745
1.68	224	324	485	599	641
2.65	202	268	362	437	474

1 1/8" DIAMETER

Length of Run (ft) @ 10 psi for 90% EU

Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.09	240	481	3901	622	306
0.11	262	522	3513	699	337
0.13	240	481	3107	632	306
0.14	262	518	2926	712	341
0.17	262	518	2715	724	341
0.22	262	512	2251	784	343
0.25	261	512	2064	2473	343
0.28	261	506	1899	2370	347
0.29	261	506	1849	2328	348
0.30	261	506	1838	2303	348
0.34	261	504	1746	2226	349
0.38	259	499	1574	2049	354
0.42	259	493	1472	1924	356
0.44	259	492	1424	1889	356
0.45	259	491	1420	1869	360
0.50	259	485	1324	1749	362
0.56	258	474	1224	1624	374
0.66	256	467	1110	1473	1249
0.67	256	468	1123	1491	1249
0.84	253	443	947	1249	1174
0.88	253	442	924	1219	1159
0.90	253	441	912	1199	1149
1.00	249	430	849	1121	1094
1.12	249	417	787	1024	1024
1.33	246	399	712	923	937
1.34	243	397	699	912	924
1.68	237	368	608	774	808
2.65	218	312	456	566	604

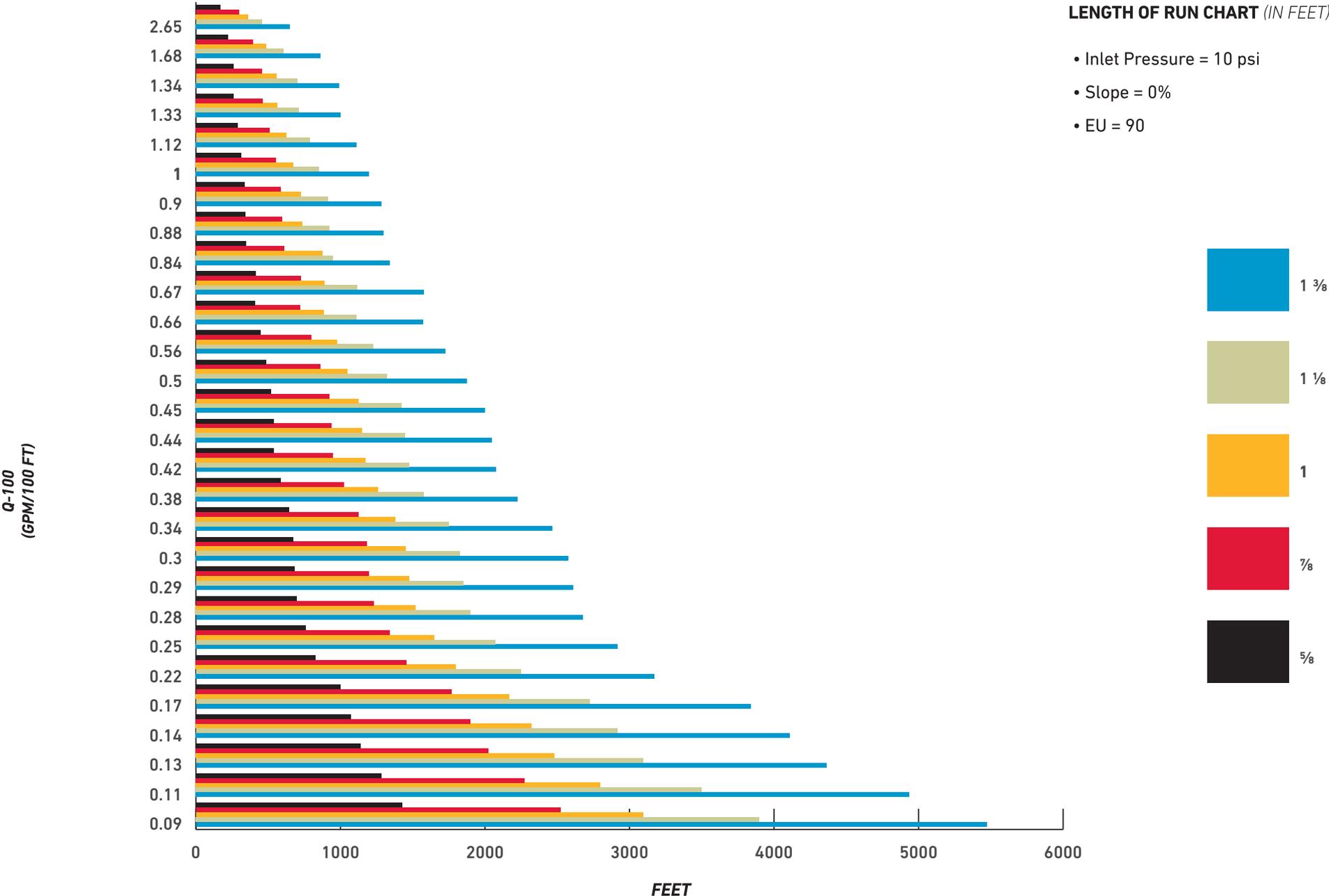
1 3/8" DIAMETER

Length of Run (ft) @ 10 psi for 90% EU

Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.09	240	481	5509	612	305
0.11	262	524	4963	686	337
0.13	240	481	4390	619	306
0.14	262	523	4132	691	337
0.17	262	523	3834	695	337
0.22	262	518	3192	518	337
0.25	262	518	2915	712	341
0.28	262	518	2692	724	341
0.29	262	518	2626	733	341
0.30	262	517	2596	736	341
0.34	262	517	2467	749	343
0.38	262	512	2241	787	343
0.42	261	512	2074	2482	343
0.44	261	511	2024	2448	343
0.45	261	510	1999	2432	343
0.50	261	506	1874	2341	348
0.56	261	504	1724	2201	349
0.66	259	498	1568	2040	354
0.67	259	499	1574	2049	354
0.84	259	486	1338	1768	362
0.88	259	481	1299	1724	367
0.90	258	481	1290	1699	368
1.00	258	474	1199	1599	374
1.12	256	467	1113	1474	1248
1.33	255	455	1008	1332	1222
1.34	255	449	996	1319	1215
1.68	252	431	860	1124	1099
2.65	240	381	648	824	859

Note: Information contained in Length of Run Charts represents single lateral uniformities only. While operating or flushing, pressures within laterals are not to exceed maximum pressure specification. Charts are for reference only – a professional irrigation system designer should be used when designing an irrigation system. For more irrigation design information, refer to AquaFlow at aquaflow.toro.com.

AQUA-TRAXX®



FLOWCONTROL™

Emitter Flow Part Number	Q-100 (gpm/100ft)
0.13 gph emitter	
E AFCxx1222	0.22
E AFCxx2411	0.11
0.20 gph emitter	
E AFCxx0667	0.67
E AFCxx0850	0.50
E AFCxx1234	0.34
E AFCxx1625	0.25
E AFCxx1822	0.22
E AFCxx2417	0.17
0.27 gph emitter	
E AFCxx0690	0.90
E AFCxx0867	0.67
E AFCxx1245	0.45
E AFCxx1634	0.34
E AFCxx1830	0.30
E AFCxx2422	0.22

HOW TO DETERMINE LENGTH OF RUN

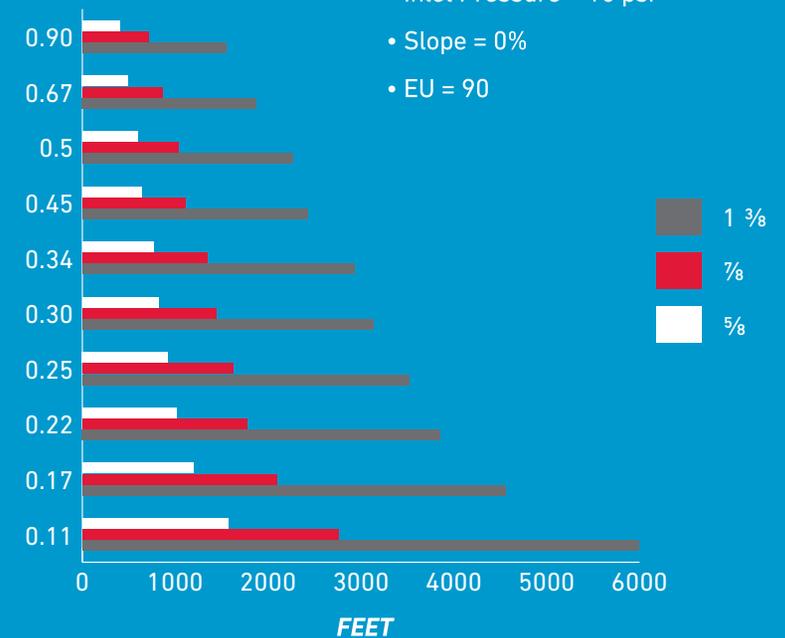
1. Find the Q-100 (gpm/100 ft) that corresponds to desired Emitter Flow Part Number.
2. Go to desired Tubing Diameter chart and match the Q-100 (identified above) with desired slope % (uphill = negative, downhill = positive) to find length of run in feet.

5/8" DIAMETER					
Length of Run (ft) @ 10 psi for 90% EU					
Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.11	386	691	1568	2072	1970
0.17	374	629	1191	1547	1572
0.22	367	586	1008	1290	1338
0.25	360	555	921	1166	1222
0.30	349	524	820	1024	1085
0.34	343	504	762	949	1012
0.45	322	448	633	770	824
0.50	312	424	591	712	769
0.67	290	374	493	583	629
0.90	261	324	406	472	506

7/8" DIAMETER					
Length of Run (ft) @ 10 psi for 90% EU					
Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.11	393	762	2755	3569	619
0.17	392	737	2094	2778	649
0.22	387	712	1772	2351	699
0.25	387	697	1618	2141	2014
0.30	381	674	1440	1896	1849
0.34	381	661	1347	1765	1749
0.45	373	612	1113	1424	1472
0.50	368	591	1037	1332	1374
0.67	355	541	862	1088	1149
0.90	337	481	712	883	937

1 3/8" DIAMETER					
Length of Run (ft) @ 10 psi for 90% EU					
Q-100	Slopes				
	-2%	-1%	0%	+1%	+2%
0.11	393	787	5993	1224	599
0.17	393	786	4555	1274	599
0.22	393	774	3855	1346	604
0.25	393	774	3519	1421	607
0.30	393	773	3134	3938	611
0.34	393	769	2930	3751	612
0.45	393	749	2421	3186	629
0.50	393	748	2264	2992	637
0.67	387	724	1874	2503	674
0.90	386	687	1549	2049	1949

Q-100 (GPM/100 FT)



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