

Water Fall - Q Tape Technical Data

ID(Inches)	Wall Thickness		OD (Inches)	Recommended	Maximum Pressure
	(Inches)	(mil)		Working Pressure	
5/8"(0.63)	0.006	6	0.642	7.25 ~ 14.5 psi	> 21.75 psi
	0.008	8	0.646	7.25 ~ 14.5 psi	> 36.25 psi
	0.010	10	0.650	7.25 ~ 17.4 psi	> 46.40 psi
	0.012	12	0.654	7.25 ~ 17.4 psi	> 50.75 bar
	0.014	14	0.658	7.25 ~ 17.4 psi	> 58.0 bar
	0.016	16	0.662	7.25 ~ 17.4 psi	> 75.4 bar

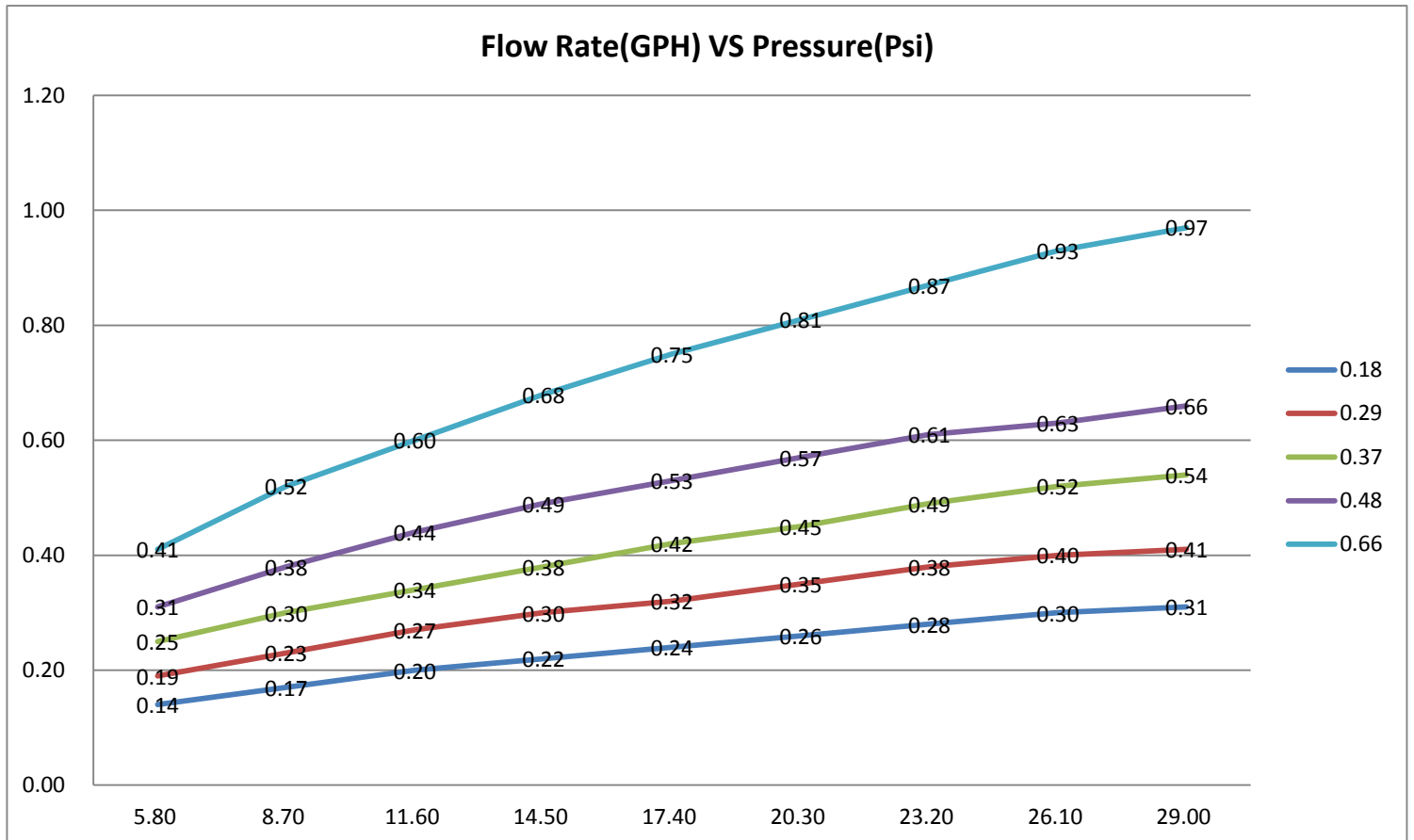
Dripper's Technical Data

Nom. Flow rate GPH at 14.5 psi	Water Passages W x D x L (Inches)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
0.18	0.033 x 0.015 x 1.023	120 / 130	< 3 %	0.28	0.45
0.29	0.033 x 0.023 x 1.023	120 / 130	< 3 %	0.39	0.45
0.37	0.033 x 0.029 x 1.062	120 / 130	< 3 %	0.55	0.48
0.48	0.033 x 0.031 x 1.062	120 / 130	< 3 %	0.62	0.48
0.66	0.033 x 0.039 x 1.377	120 / 130	< 3 %	0.89	0.48

Flow Rate(L/H) VS Pressure(Bar)

2016 year

Nominal Flow rate(GPH)	Pressure(PSI)								
	5.80	8.70	11.60	14.50	17.40	20.30	23.20	26.10	29.00
0.18	0.14	0.17	0.20	0.22	0.24	0.26	0.28	0.30	0.31
0.29	0.19	0.23	0.27	0.30	0.32	0.35	0.38	0.40	0.41
0.37	0.25	0.30	0.34	0.38	0.42	0.45	0.49	0.52	0.54
0.48	0.31	0.38	0.44	0.49	0.53	0.57	0.61	0.63	0.66
0.66	0.41	0.52	0.60	0.68	0.75	0.81	0.87	0.93	0.97



Length Of Run (90% emission uniformity)

Diameter 5/8"
 Wall Thickness 0.20 mm(8mils)
 Nominal Flow Rate **0.18 gph**

INLET 10.15 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	117	192	273	303	400	484	574	644
	1%	135	221	314	348	459	556	659	740
FLAT TERRAIN	0	155	254	361	400	528	639	758	851
DOWN HILL	-1%	169	277	393	436	576	697	826	928
	-2%	184	302	429	475	627	759	901	1011

INLET 14.5 PSI	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	129	211	288	355	440	531	630	708
	1%	149	243	331	408	505	611	725	813
FLAT TERRAIN	0	171	279	380	469	581	702	833	935
DOWN HILL	-1%	186	304	414	511	633	765	908	1019
	-2%	203	331	451	557	690	834	990	1111

INLET 17.4 PSI	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	136	180	258	321	384	463	508	588
	1%	164	217	310	387	463	558	613	708
FLAT TERRAIN	0	197	262	374	466	558	672	738	853
DOWN HILL	-1%	230	307	438	545	653	786	863	998
	-2%	270	359	512	638	764	920	1010	1168

INLET 21.75 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	145	194	278	353	393	468	531	608
	1%	174	234	334	425	474	564	640	732
FLAT TERRAIN	0	210	282	403	512	571	679	771	882
DOWN HILL	-1%	246	330	472	599	668	794	902	1032
	-2%	281	378	540	686	765	910	1033	1182

Length Of Run (90% emission uniformity)

Diameter 5/8"
 Wall Thickness 0.20 mm(8mils)
 Nominal Flow Rate **0.29 gph**

INLET 10.15 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	99	161	219	248	331	404	471	530
	1%	111	181	246	279	372	454	529	595
FLAT TERRAIN	0	125	203	276	313	418	510	594	669
DOWN HILL	-1%	136	221	301	341	456	556	647	729
	-2%	149	241	328	372	497	606	706	795

INLET 14.5 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	95	154	203	265	316	386	450	506
	1%	115	185	245	319	381	466	542	610
FLAT TERRAIN	0	138	223	295	384	459	561	653	735
DOWN HILL	-1%	150	243	322	419	500	611	712	801
	-2%	176	284	376	490	585	715	833	937

INLET 17.4 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	99	158	201	258	325	395	461	519
	1%	120	191	242	310	392	476	555	626
FLAT TERRAIN	0	144	230	292	374	472	574	669	754
DOWN HILL	-1%	168	269	342	438	552	672	783	882
	-2%	197	315	400	512	646	786	916	1032

INLET 21.75 BAR	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	104	165	235	285	341	418	484	542
	1%	125	198	283	343	411	504	583	653
FLAT TERRAIN	0	151	239	341	413	495	607	702	787
DOWN HILL	-1%	177	280	399	483	579	710	821	921
	-2%	207	327	467	565	678	831	961	1077

Length Of Run (90% emission uniformity)

Diameter 5/8"
 Wall Thickness 0.20 mm(8mils)
 Nominal Flow Rate **0.37 gph**

INLET 10.15 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	81	127	160	201	261	314	361	404
	1%	92	144	182	229	297	357	410	459
FLAT TERRAIN	0	104	164	207	260	337	406	466	522
DOWN HILL	-1%	113	179	226	283	367	443	508	569
	-2%	124	195	246	309	400	482	554	620

INLET 14.5 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	79	124	165	212	256	307	353	395
	1%	95	149	198	256	308	370	425	476
FLAT TERRAIN	0	115	180	239	308	371	446	512	574
DOWN HILL	-1%	125	196	261	336	404	486	558	626
	-2%	137	214	284	366	441	530	608	682

INLET 17.4 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	86	131	203	221	262	280	312	362
	1%	104	158	245	266	315	338	376	436
FLAT TERRAIN	0	125	190	295	321	380	407	453	525
DOWN HILL	-1%	146	222	345	376	445	476	530	614
	-2%	171	260	404	439	520	557	620	719

INLET 21.75 BAR	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	79	134	174	217	251	305	357	400
	1%	95	161	210	261	302	368	430	482
FLAT TERRAIN	0	115	194	253	315	364	443	518	581
DOWN HILL	-1%	135	227	296	369	426	518	606	680
	-2%	157	266	346	431	498	606	709	795

Length Of Run (90% emission uniformity)

Diameter 5/8"
Wall Thickness 0.20 mm(8mils)
Nominal Flow Rate **0.48 gph**

INLET 10.15 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	71	119	147	173	242	292	335	376
	1%	81	136	167	196	275	332	381	427
FLAT TERRAIN	0	92	154	190	223	312	377	433	485
DOWN HILL	-1%	100	168	207	243	340	411	472	529
	-2%	109	183	226	265	371	448	514	576

INLET 14.5 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	74	118	147	163	237	289	330	378
	1%	90	142	177	196	286	349	398	455
FLAT TERRAIN	0	108	171	213	236	344	420	479	548
DOWN HILL	-1%	118	186	232	257	375	458	522	597
	-2%	128	203	253	280	409	499	569	651

INLET 17.4 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	79	127	190	210	247	305	355	406
	1%	95	153	229	253	297	368	427	490
FLAT TERRAIN	0	115	184	276	305	358	443	515	590
DOWN HILL	-1%	135	215	323	357	419	518	603	690
	-2%	157	252	378	418	490	606	705	808

INLET 21.75 BAR	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	77	113	158	203	215	282	305	350
	1%	93	136	191	245	259	340	368	422
FLAT TERRAIN	0	112	164	230	295	312	410	443	508
DOWN HILL	-1%	131	192	269	345	365	480	518	594
	-2%	153	224	315	404	427	561	606	695

Length Of Run (90% emission uniformity)

Diameter 5/8"
 Wall Thickness 0.20 mm(8mils)
 Nominal Flow Rate **0.66 gph**

INLET 10.15 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	56	88	119	139	183	222	256	289
	1%	63	99	136	158	208	253	291	328
FLAT TERRAIN	0	72	113	154	179	236	287	331	373
DOWN HILL	-1%	78	123	168	195	257	313	361	407
	-2%	86	134	183	213	280	341	393	443

INLET 14.5 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	54	86	120	149	178	217	251	282
	1%	66	104	144	179	215	261	302	340
FLAT TERRAIN	0	79	125	174	216	259	315	364	410
DOWN HILL	-1%	86	136	190	235	282	343	397	447
	-2%	94	149	207	257	308	374	432	487

INLET 17.4 PSI	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	61	95	143	161	190	228	267	293
	1%	74	115	172	193	229	275	321	354
FLAT TERRAIN	0	89	138	207	233	276	331	387	426
DOWN HILL	-1%	104	161	242	273	323	387	453	498
	-2%	122	189	283	319	378	453	530	583

INLET 21.75 BAR	DISTANCE BETWEEN DRIPPERS (Inches)								
	SLOPE	2	4	6	8	12	16	20	24
UP HILL	2%	61	90	122	167	187	226	258	291
	1%	74	109	147	202	226	272	310	351
FLAT TERRAIN	0	89	131	177	243	272	328	374	423
DOWN HILL	-1%	104	153	207	284	318	384	438	495
	-2%	122	179	242	333	372	449	512	579