

Water Fall - Q Tape Technical Data

ID(mm)	Wall Thickness		OD (mm)	Recommended	Maximum Pressure
	(mm)	(mil)		Working Pressure	
16.1	0.15	6	16.4	0.5 ~ 1.0 bar	> 1.5 bar
	0.20	8	16.5	0.5 ~ 1.0 bar	> 2.5 bar
	0.25	10	16.6	0.5 ~ 1.2 bar	> 3.2 bar
	0.30	12	16.7	0.5 ~ 1.2 bar	> 3.5 bar
	0.35	14	16.8	0.5 ~ 1.2 bar	> 4.0 bar
	0.40	16	16.9	0.5 ~ 1.2 bar	> 5.2 bar

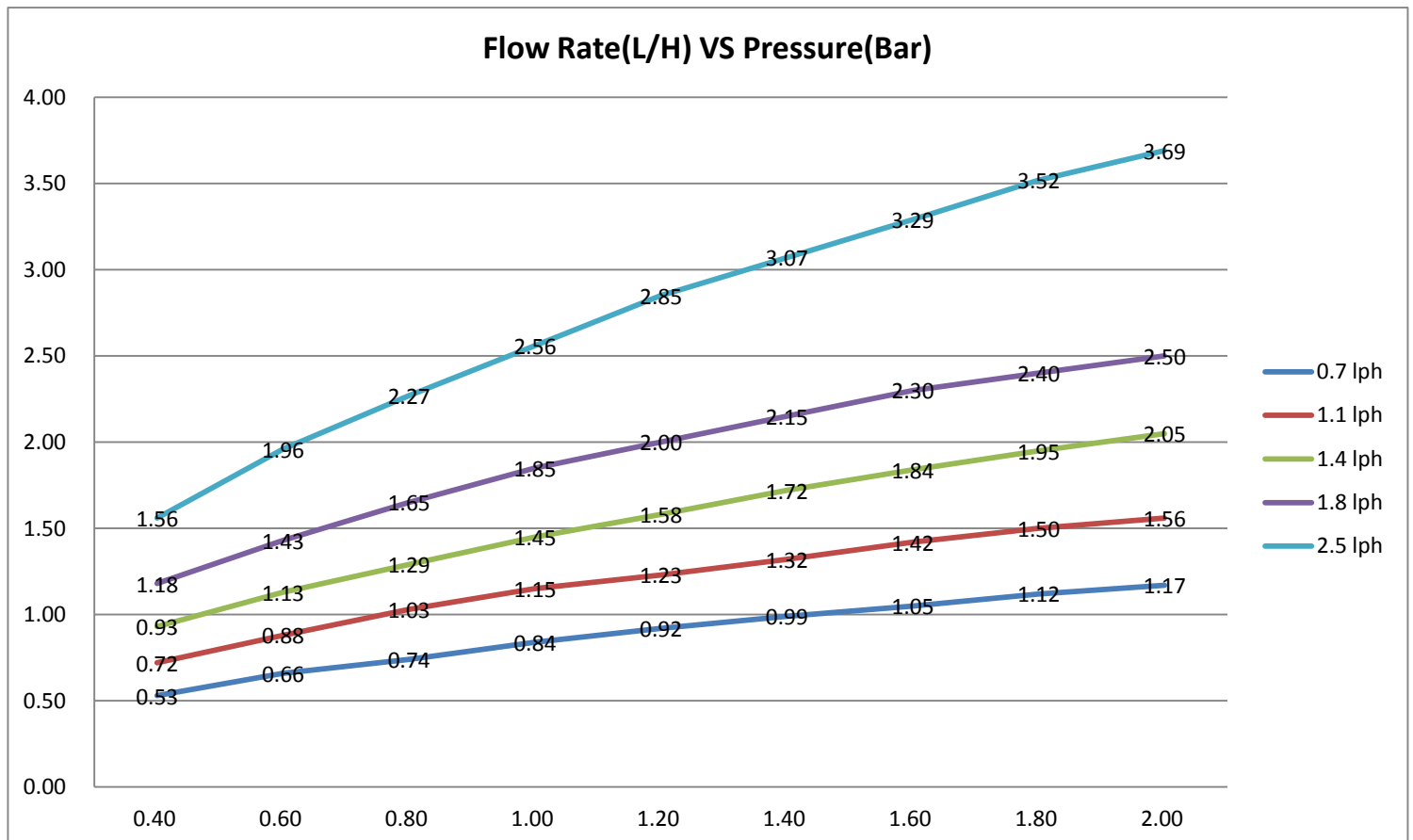
Dripper's Technical Data

Nom. Flow rate LPH at 1 bar	Water Passages W x D x L (mm)	Recommended Filtration (mesh) / (micron)	CV	Constant K	Exponent X
0.7	0.85 x 0.40 x 26	120 / 130	< 3 %	0.28	0.45
1.1	0.85 x 0.60 x 26	120 / 130	< 3 %	0.39	0.45
1.4	0.85 x 0.75 x 27	120 / 130	< 3 %	0.55	0.48
1.8	0.85 x 0.80 x 27	120 / 130	< 3 %	0.62	0.48
2.5	0.85 x 1.00 x 35	120 / 130	< 3 %	0.89	0.48

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

2016 year

Nominal Flow rate(L/H)	Pressure(Bar) in Average								
	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.7	0.53	0.66	0.74	0.84	0.92	0.99	1.05	1.12	1.17
1.1	0.72	0.88	1.03	1.15	1.23	1.32	1.42	1.50	1.56
1.4	0.93	1.13	1.29	1.45	1.58	1.72	1.84	1.95	2.05
1.8	1.18	1.43	1.65	1.85	2.00	2.15	2.30	2.40	2.50
2.5	1.56	1.96	2.27	2.56	2.85	3.07	3.29	3.52	3.69



Length Of Run (90% emission uniformity)

Diameter 16 mm
 Wall Thickness 0.20 mm
 Nominal Flow Rate **0.7 lph**

INLET 0.7 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	36	59	83	92	122	147	175	196
	1%	41	67	96	106	140	169	201	226
FLAT TERRAIN	0	47	77	110	122	161	195	231	259
DOWN HILL	-1%	52	84	120	133	176	212	252	283
	-2%	56	92	131	145	191	231	275	308

INLET 1.0 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	39	64	88	108	134	162	192	216
	1%	45	74	101	124	154	186	221	248
FLAT TERRAIN	0	52	85	116	143	177	214	254	285
DOWN HILL	-1%	57	93	126	156	193	233	277	311
	-2%	62	101	138	170	210	254	302	339

INLET 1.2 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	41	55	79	98	117	141	155	179
	1%	50	66	95	118	141	170	187	216
FLAT TERRAIN	0	60	80	114	142	170	205	225	260
DOWN HILL	-1%	70	94	133	166	199	240	263	304
	-2%	82	110	156	194	233	281	308	356

INLET 1.5 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	44	59	85	107	120	143	162	185
	1%	53	71	102	129	144	172	195	223
FLAT TERRAIN	0	64	86	123	156	174	207	235	269
DOWN HILL	-1%	75	101	144	183	204	242	275	315
	-2%	86	115	165	209	233	277	315	360

Length Of Run (90% emission uniformity)

Diameter 16 mm

Wall Thickness 0.20 mm

Nominal Flow Rate 1.1 lph

INLET 0.7 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	30	49	67	76	101	123	143	161
	1%	34	55	75	85	113	138	161	181
FLAT TERRAIN	0	38	62	84	96	127	156	181	204
DOWN HILL	-1%	42	67	92	104	139	170	197	222
	-2%	45	74	100	114	151	185	215	242

INLET 1.0 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	29	47	62	81	96	118	137	154
	1%	35	56	75	97	116	142	165	186
FLAT TERRAIN	0	42	68	90	117	140	171	199	224
DOWN HILL	-1%	46	74	98	128	153	186	217	244
	-2%	54	87	115	149	179	218	254	286

INLET 1.2 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	30	48	61	79	99	121	141	158
	1%	37	58	74	95	120	145	169	191
FLAT TERRAIN	0	44	70	89	114	144	175	204	230
DOWN HILL	-1%	51	82	104	133	168	205	239	269
	-2%	60	96	122	156	197	240	279	315

INLET 1.5 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	32	50	72	87	104	127	147	165
	1%	38	61	86	105	125	154	178	199
FLAT TERRAIN	0	46	73	104	126	151	185	214	240
DOWN HILL	-1%	54	85	122	147	177	216	250	281
	-2%	63	100	142	172	207	253	293	329

Length Of Run (90% emission uniformity)

Diameter 16 mm

Wall Thickness 0.20 mm

Nominal Flow Rate **1.4 lph**

INLET 0.7 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	25	39	49	61	80	96	110	123
	1%	28	44	55	70	90	109	125	140
FLAT TERRAIN	0	32	50	63	79	103	124	142	159
DOWN HILL	-1%	35	55	69	86	112	135	155	174
	-2%	38	59	75	94	122	147	169	189

INLET 1.0 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	24	38	50	65	78	94	107	121
	1%	29	46	61	78	94	113	129	145
FLAT TERRAIN	0	35	55	73	94	113	136	156	175
DOWN HILL	-1%	38	60	80	102	123	148	170	191
	-2%	42	65	87	112	134	162	185	208

INLET 1.2 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	26	40	62	68	80	85	95	110
	1%	32	48	75	81	96	103	115	133
FLAT TERRAIN	0	38	58	90	98	116	124	138	160
DOWN HILL	-1%	44	68	105	115	136	145	161	187
	-2%	52	79	123	134	159	170	189	219

INLET 1.5 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	24	41	53	66	76	93	109	122
	1%	29	49	64	80	92	112	131	147
FLAT TERRAIN	0	35	59	77	96	111	135	158	177
DOWN HILL	-1%	41	69	90	112	130	158	185	207
	-2%	48	81	105	131	152	185	216	242

Length Of Run (90% emission uniformity)

Diameter 16 mm

Wall Thickness 0.20 mm

Nominal Flow Rate **1.8 lph**

INLET 0.7 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	22	36	45	53	74	89	102	115
	1%	25	41	51	60	84	101	116	130
FLAT TERRAIN	0	28	47	58	68	95	115	132	148
DOWN HILL	-1%	31	51	63	74	104	125	144	161
	-2%	33	56	69	81	113	137	157	176

INLET 1.0 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	23	36	45	50	72	88	101	115
	1%	27	43	54	60	87	106	121	139
FLAT TERRAIN	0	33	52	65	72	105	128	146	167
DOWN HILL	-1%	36	57	71	78	114	140	159	182
	-2%	39	62	77	86	125	152	173	198

INLET 1.2 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	24	39	58	64	75	93	108	124
	1%	29	46	70	77	90	112	130	149
FLAT TERRAIN	0	35	56	84	93	109	135	157	180
DOWN HILL	-1%	41	66	98	109	128	158	184	211
	-2%	48	77	115	127	149	185	215	246

INLET 1.5 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	23	34	48	62	65	86	93	107
	1%	28	42	58	75	79	104	112	129
FLAT TERRAIN	0	34	50	70	90	95	125	135	155
DOWN HILL	-1%	40	59	82	105	111	146	158	181
	-2%	47	68	96	123	130	171	185	212

Length Of Run (90% emission uniformity)

Diameter 16 mm
 Wall Thickness 0.20 mm
 Nominal Flow Rate **2.5 lph**

INLET 0.7 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	17	27	36	42	56	68	78	88
	1%	19	30	41	48	63	77	89	100
FLAT TERRAIN	0	22	35	47	55	72	87	101	114
DOWN HILL	-1%	24	38	51	60	78	95	110	124
	-2%	26	41	56	65	85	104	120	135

INLET 1.0 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	17	26	37	45	54	66	76	86
	1%	20	32	44	55	66	80	92	104
FLAT TERRAIN	0	24	38	53	66	79	96	111	125
DOWN HILL	-1%	26	41	58	72	86	105	121	136
	-2%	29	45	63	78	94	114	132	149

INLET 1.2 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	19	29	43	49	58	70	81	90
	1%	22	35	52	59	70	84	98	108
FLAT TERRAIN	0	27	42	63	71	84	101	118	130
DOWN HILL	-1%	32	49	74	83	98	118	138	152
	-2%	37	57	86	97	115	138	162	178

INLET 1.5 BAR	DISTANCE BETWEEN DRIPPERS (CM)								
	SLOPE	5	10	15	20	30	40	50	60
UP HILL	2%	19	28	37	51	57	69	79	89
	1%	22	33	45	61	69	83	95	107
FLAT TERRAIN	0	27	40	54	74	83	100	114	129
DOWN HILL	-1%	32	47	63	87	97	117	133	151
	-2%	37	55	74	101	114	137	156	177