



ADRITEC
YOUR WAY

1 MICRO IRRIGATION



Micro Irrigation Driplines

1

1b1- Adriline

1b2- Adripc

1b3- Miniline

1b4- Adrilite

1b5- Green Tape

1b6- Eco Tape

The Adriline is a joint less multi seasonal drip pipe with 4 water outlets and a self-cleaning built in strainer at its inlet. It is produced in three different outside diameters, mainly 12mm, 16mm, and 20mm with different wall thicknesses ranging from 0.7mm to 1.0mm. The inline turbulent flow labyrinth type self cleaning dripper comes with a size of 69mm, with two different discharge rates 2LPH and 4LPH. It is produced at different dripper spacing starting from 20CM.



Code	Average Flow Rate (LPH)						Emitter's	
	0.5 Bar	0.8 Bar	1.0 Bar	1.5 Bar	2.0 Bar	2.5 Bar	X	Kd
1B1GR16101XX	1.12	1.46	1.64	1.99	2.28	2.57	0.508	1.62
1B1GR16104XX	2.71	3.48	3.86	4.65	5.43	5.96	0.489	3.86
1B1GR20102XX	1.30	1.63	1.80	2.20	2.60	2.90	0.456	1.80
1B1GR20104XX	2.70	3.40	3.80	4.70	5.40	6.00	0.494	3.80

Recommended Operating Pressure 1.0 Bar.

Code	Max. Lateral Running Length (m)							
	Emitters Spacing (cm)							
	10	20	30	40	50	60	75	100
1B1GR16072XX	-	71	92	111	129	145	168	202
1B1GR16082XX	-	69	90	109	126	142	164	198
1B1GR16092XX	-	67	88	106	123	138	160	193
1B1GR16102XX	-	66	86	104	120	135	156	188
1B1GR16074XX	-	41	54	65	75	84	98	118
1B1GR16084XX	-	40	53	63	73	82	95	115
1B1GR16094XX	-	39	51	62	72	81	93	112
1B1GR16104XX	-	38	50	60	70	79	91	109
1B1GR20072XX	-	104	136	165	191	215	248	300
1B1GR20082XX	-	102	134	162	187	211	244	294
1B1GR20092XX	-	100	131	159	184	207	239	289
1B1GR20102XX	-	99	129	156	180	203	235	283
1B1GR20074XX	-	62	82	98	114	128	149	179
1B1GR20084XX	-	61	80	97	112	126	146	176
1B1GR20094XX	-	60	79	95	110	124	143	173
1B1GR20104XX	-	59	77	93	108	121	140	169

① Flow Variation 10%.

② XX Emitter spacing in cm.

The Adripc features a cylindrical pressure compensating self-cleaning emitter with similar mechanical properties as the Adriline. It uses a silicone diaphragm that ensures uniform discharge and water flow uniformity for variable system pressures ranging from 1.0 to 4.0 bars. The silicon rubber diaphragm initiates a self-flushing cycle that allows cleaning of debris. It is ideal for use in irrigation systems with long lateral length requirements, uneven terrain, mountainous farmland or farms with high slopes. It is applied in both agricultural and landscape irrigation applications. Adripc is produced in different diameters 16mm, 18mm and 20mm with different pipe wall thicknesses. Emitters are available with two different discharge rates 2 and 4 LPH and at spacing starting from 20cm.

Code	Average Flow Rate (LPH)						Emitter's	
	0.5	1.0 Bar	1.5 Bar	2.0 Bar	3.0 Bar	4.0 Bar	X	Kd
1B2PCOD002XX	1.22	1.68	1.72	1.75	1.66	1.49	0.093	1.680
1B2PCOD004XX	3.46	4.58	4.50	4.35	4.10	3.90	0.037	4.580

Recommended Operating Pressure 1.0 - 4.0 Bars.

Code	Max. Lateral Running Length (m)						
	Emitters Spacing (cm)						
	20	30	40	50	60	75	100
1B2PC16072XX	95	124	150	173	195	225	272
1B2PC16082XX	93	121	146	169	190	220	266
1B2PC16092XX	90	118	143	165	186	215	259
1B2PC16102XX	88	115	139	161	181	210	253
1B2PC16074XX	50	65	78	90	102	118	142
1B2PC16084XX	48	63	76	88	99	115	138
1B2PC16094XX	47	62	74	86	97	112	135
1B2PC16104XX	46	60	73	84	95	109	132



- 1 Inlet Pressure 1.5 Bars.
- 2 Zero Slope.
- 3 Pipe OD=16 mm, ID= 14.6 mm, 14.4 mm, 14.2 mm & 14.0 mm.
- 4 At Emitter Operating Pressure 1.0 Bar.

1B2PC16072XX	121	158	191	221	248	287	347
1B2PC16082XX	118	154	186	215	243	281	339
1B2PC16092XX	115	151	182	210	237	274	331
1B2PC16102XX	112	147	177	205	231	268	323
1B2PC16074XX	63	82	99	115	130	150	181
1B2PC16084XX	62	80	97	112	127	146	176
1B2PC16094XX	60	79	95	110	124	143	172
1B2PC16104XX	59	77	93	107	121	140	168

- 1 Inlet Pressure 2.0 Bars.
- 2 Zero Slope.
- 3 Pipe OD=16 mm, ID= 14.6 mm, 14.4 mm, 14.2 mm & 14.0 mm.
- 4 At Emitter Operating Pressure 1.0 Bar.



The Miniline is a jointless multi seasonal drip pipe similar to the Adriline in all mechanical properties but for using a 39mm and 33mm turbulent flow cylindrical emitter, with 4 water outlets and a self-cleaning built in strainer at its inlet. It is produced in 16mm and 20mm OD pipes, with emitter discharge rates of 2LPH, 4LPH, 8LPH, and a pipe thickness ranging from 0.9mm down to 0.7mm at an emitter spacing starting from 20cm. It is an economical virgin of the Adriline, applied with the same types of crops as that of the Adriline, but for its low pipe thickness and smaller emitter size which allows it to be used for longer lateral lengths and more economical applications.



Code	Average Flow Rate (LPH)						Emitter's	
	0.5 Bar	0.8 Bar	1.0 Bar	1.5 Bar	2.0 Bar	2.5 Bar	X	Kd
1B3ML16102XX	1.57	1.99	2.27	2.73	3.19	3.55	0.507	2.24
1B3ML16104XX	2.99	3.79	4.27	5.18	6.05	6.69	0.502	4.26
1B3ML16108XX	5.84	7.57	8.59	10.56	12.16	13.67	0.526	8.59

Recommended Operating Pressure 1.0 Bar.



Code	Max. Lateral Running Length (m)							
	Emitters Spacing (cm)							
	10	20	30	40	50	60	75	100
1B3ML16072XX	-	57	75	90	104	118	136	164
1B3ML16082XX	-	56	73	88	102	115	133	160
1B3ML16092XX	-	55	71	86	100	112	130	156
1B3ML16074XX	-	38	50	60	70	78	91	109
1B3ML16084XX	-	37	49	59	68	77	89	107
1B3ML16094XX	-	37	48	58	66	75	86	104
1B3ML16078XX	-	24	31	38	44	49	57	68
1B3ML16088XX	-	24	31	37	43	48	55	67
1B3ML16098XX	-	23	30	36	42	47	54	65

* Flow Variation 10%.

The Adrilite is a light low thickness irrigation pipe with a turbulent flow flat emitter that features a self-cleaning built in strainer at its inlet for efficient water filtration. It is produced with an OD of 17mm and 22.6mm in several thicknesses ranging from 0.15mm up to 0.6mm and is available in many emitter discharge rates of 1.07 LPH, 1.78 LPH, 2.1 LPH, and 3.74 LPH, at a pressure of 0.8 bars. The Adrilite is used for all types of crops including cotton, banana plantations, sugarcane and maize. It can be used for one or multi season applications depending on the pipe wall thickness. Its low pipe thickness and small sized flat emitter allows it to be used for longer lateral lengths and more economical applications.

Code	Average Flow Rate (LPH)						Emitter's	
	0.5 Bar	0.8 Bar	1.0 Bar	1.5 Bar	2.0 Bar	2.5 Bar	X	Kd
1B4L0D0011XX	0.81	1.07	1.23	1.54	1.82	2.06	0.579	1.22
1B4L0D0021XX	1.62	2.10	2.40	3.00	3.50	4.00	0.560	2.39
1B4L0D0018XX	1.37	1.78	1.98	2.45	2.87	3.16	0.521	1.98
1B4L0D0037XX	2.92	3.74	4.14	5.13	5.92	6.57	0.505	4.16

Recommended Operating Pressure 0.8 Bar.

① OD :Pipe Out Diameter in mm.

② XX : Emitters Spacing In cms.



Code	Max. Lateral Running Length (m)							
	Emitters Spacing (cm)							
	10	20	30	40	50	60	75	100
1B4L170811XX	-	102	133	161	186	210	243	293
1B4L171211XX	-	100	130	158	182	205	238	287
1B4L171811XX	-	97	126	153	177	199	230	278
1B4L172411XX	-	94	122	148	171	193	223	269
1B4L170821XX	-	67	87	105	122	137	158	191
1B4L171221XX	-	65	85	103	119	134	155	187
1B4L171821XX	-	63	83	100	115	130	150	181
1B4L172421XX	-	61	80	97	112	126	146	175
1B4L170818XX	-	76	100	120	139	157	181	219
1B4L171218XX	-	75	98	118	136	154	178	214
1B4L171818XX	-	72	95	114	132	149	172	208
1B4L172418XX	-	70	92	111	128	144	167	201
1B4L170837XX	-	48	62	75	87	98	113	137
1B4L171237XX	-	47	61	74	85	96	111	134
1B4L171837XX	-	45	59	72	83	93	108	130
1B4L172437XX	-	44	57	69	80	90	104	126

① Inlet Pressure 0.943 Bar.

② Pipe OD=17 mm, ID=16.6mm, 16.4 mm, 16.1 mm & 15.8 mm .

③ Zero Slope.

④ Flow Variation 10%.

⑤ At Emitter Operating Pressure 0.8 Bar.



Code	Max. Lateral Running Length (m)							
	Emitters Spacing (cm)							
	10	20	30	40	50	60	75	100
1B4L220811XX	-	159	208	251	291	328	380	458
1B4L221211XX	-	156	205	248	287	323	374	451
1B4L221811XX	-	153	200	242	280	315	365	440
1B4L222411XX	-	149	195	236	273	308	356	430
1B4L220821XX	-	103	134	162	188	212	245	296
1B4L221221XX	-	101	132	160	185	209	241	291
1B4L221821XX	-	99	129	156	181	204	236	284
1B4L222421XX	-	96	126	152	176	199	230	277
1B4L220818XX	-	114	149	181	209	236	273	329
1B4L221218XX	-	112	147	178	206	232	269	324
1B4L221818XX	-	110	144	174	201	227	262	316
1B4L222418XX	-	107	140	170	196	221	256	309
1B4L220837XX	-	71	92	112	129	146	169	203
1B4L221237XX	-	69	91	110	127	143	166	200
1B4L221837XX	-	68	89	107	124	140	162	195
1B4L222437XX	-	66	87	105	121	137	158	191

- ❶ Inlet Pressure 0.943 Bar.
- ❷ Pipe OD=22 mm, ID=21.6mm, 21.4 mm, 21.1 mm & 20.8 mm .
- ❸ Zero Slope.
- ❹ At Emitter Operating Pressure 0.8 Bar.
- ❺ Flow Variation 10%.





The Green Tape is an irrigation tape with the emitter labyrinth strip welded to the inside of the extruded tape. It is produced in 17mm and 22.6mm outside diameter and wall thicknesses ranging from 0.15mm up to 0.25mm and a flow of 1.03 LPH at 0.8 bars. Emitter spacing starts from 10cm with 10 cm equal intervals up to 100cm. It can be used for subsurface irrigation applications using 150 mesh filtration.

Code	Average Flow Rate (LPH)					Emitter's	
	0.5 Bar	0.8 Bar	1.0 Bar	1.2 Bar	1.5 Bar	X	Kd
1B5GT17061XX	0.77	1.03	1.16	1.30	1.51	0.61	1.17

Recommended Operating Pressure 0.8 Bar.

Code	Max. Lateral Running Length (m)					
	Emitters Spacing (cm)					
	10	20	30	40	50	60
1B5GT17061XX	65	104	136	164	190	213
1B5GT17081XX	65	103	134	162	188	211

- 1 Inlet Pressure 0.94 Bar.
- 2 Pipe OD=17 mm, ID=16.7mm & 16.6 mm.
- 3 Zero Slope.
- 4 Flow Variation 10%.

Code	Max. Lateral Running Length (m)					
	Emitters Spacing (cm)					
	10	20	30	40	50	60
1B5GT17061XX	75	120	157	190	220	247
1B5GT17081XX	75	119	155	188	217	245

- 1 Inlet Pressure 1.0 Bar.
- 2 Pipe OD=17 mm, ID=16.7mm & 16.6 mm .
- 3 Zero Slope.
- 4 Flow Variation 15%.



The Eco Tape thin wall dripline features a turbulent flow track emitter that provides a high level of watering uniformity. Each outlet is part of the drip emitter, providing reliable drip flow without squirting. The slit at the outlet reduces insect damage, impedes root intrusion and eliminates plugging from external contaminants at start-up. The water in the supply tube passes into the turbulent channel through multiple filtering inlets. The water next passes through a vortex type turbulent flow channel to regulate the discharge flow before exiting through the outlet. The advanced turbulent flow design uses large passageways which are less likely to clog and provide more uniform discharge for longer lengths of run than most drip tape technologies. The Eco Tape is produced in 4mil, 6 mil, 8 mil and 10 mil thicknesses in 17mm and 22mm Outside Diameter. Eco Tape is mostly recommended for use for agricultural irrigation, farm irrigation and garden applications.

Code	Average Flow Rate (LPH)					Emitter's	
	0.5 Bar	0.8 Bar	1.0 Bar	1.2 Bar	1.5 Bar	X	Kd
1B6ET17XX1XX	0.80	1.04	1.15	1.28	1.43	0.53	0.34

Recommended Operating Pressure 0.8 Bar.

Max. Lateral Running Length (m)						
Code	Emitters Spacing (cm)					
	10	20	30	40	50	60
1B6ET17041XX	71	113	147	178	206	232
1B6ET17061XX	70	111	146	176	204	229
1B6ET1708110	69	110	144	174	202	227
1B6ET17101XX	69	109	143	172	200	225

- 1 Inlet Pressure 0.96 Bar.
- 2 Pipe OD=17 mm, ID=16.8, 16.7mm, 16.6 mm & 16.5 mm .
- 3 Zero Slope.
- 4 Flow Variation 10%.

Max. Lateral Running Length (m)						
Code	Emitters Spacing (cm)					
	10	20	30	40	50	60
1B6ET17041XX	82	131	171	206	239	269
1B6ET17061XX	81	129	169	204	236	266
1B6ET17081XX	80	128	167	202	234	264
1B6ET17101XX	80	127	166	200	232	261

- 1 Inlet Pressure 1.43 Bar.
- 2 Pipe OD=17 mm, ID=16.8, 16.7mm, 16.6 mm & 16.5 mm .
- 3 Zero Slope.
- 4 Flow Variation 15%.

