



Hydrogol

Durable multi-season integral dripline

Hydrogol is an integral dripline, manufactured in various wall thicknesses with incorporated emitters.

The Hydrogol emitter is a cylindrical dripper, designed with a long wide labyrinth. This configuration provides a turbulent water flow which minimizes formation of residues that may cause clogging. Hydrogol driplines are manufactured with two-orifice outlets* in spacings between emitters from 17.5 cm and up. The additional outlet eliminates the sucking in of small particles when the water is shut off.

* Single orifice outlet, only in spacing of 15 cm or by special order

Main Features:

- Large surface inlet filter
- Outstanding clogging resistance for all flow rates
- Constant inside diameter regardless of dripline wall thickness
- Manufactured from superior durable materials ensuring longevity
- Protected against UV degradation
- Resistant to chemicals and fertilizers commonly used in agriculture
- Conforms to emission uniformity standard ISO 9261

Specifications:

- Flow rates at operating pressure at 1.0 bar:
 - Ø 12 mm: 0.7, 1.0, 2.0, 3.0 lph
 - Ø 16 mm: 1.0, 1.6, 2.0, 4.0, 8.0 lph
 - Ø 20 mm: 1.2, 2.0, 4.0 lph
- Recommended pressure range: 0.8-2.0 bar
- I.D: 10.4, 13.8, 17.6 mm
- Flow rates can be adjusted to different operating pressure
- Available in wall thickness of: 0.6, 0.9, 1.0, 1.1 mm (25-45 mil)

Applications:

All kinds of field crops, fruit orchards & greenhouses, at any required emitter spacing (15-200 cm)

New!

Hydrogol 8 mm

Wall thickness: 32 mil

Flow rate at 1.0 bar: 1.20 lph



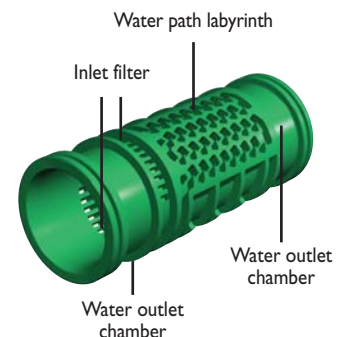


Max Dripline Length (m) on Flat Terrain

Color Code & Lph	Diameter (mm)/ Wall Thick. (mil)	Nominal Flow Rate (lph)*	Inside Diameter (mm)	Wall Thickness		Flow Variation ±5%					EU 90%**				
				(mil)	(mm)	0.2	0.3	0.5	0.75	1.00	0.2	0.3	0.5	0.75	1.00
Pink ● 0.7	12/25	0.75	10.4	25	0.65	57	80	118	159	195	82	114	169	227	278
	12/35	0.70	10.4	35	0.9	59	82	122	164	201	84	117	173	233	285
	12/40	0.65	10.4	40	1.0	63	87	130	175	214	99	136	201	264	338
Gray ● 1.0	12/25	1.00	10.4	25	0.65	42	58	87	116	143	64	90	134	180	222
	12/35	0.90	10.4	35	0.9	42	59	87	117	144	66	92	137	184	226
	12/40	0.90	10.4	40	1.0	42	59	87	117	144	67	93	139	188	231
Green ● 2.0	12/25	2.20	10.4	25	0.65	24	34	51	68	84	38	53	79	107	132
	12/35	2.20	10.4	35	0.9	24	34	51	68	84	38	53	80	108	133
	12/40	2.10	10.4	40	1.0	24	34	51	68	84	39	55	81	110	136
Yellow ● 3.0	12/25	3.00	10.4	25	0.65	20	28	42	56	69	31	43	65	87	108
	12/35	2.90	10.4	35	0.9	20	28	42	56	69	31	43	65	88	109
	12/40	2.80	10.4	40	1.0	21	29	47	66	69	32	44	67	90	111
Gray ● 1.0	16/25	1.20	13.8	25	0.65	61	84	123	164	201	95	131	193	258	317
	16/35	1.10	13.8	35	0.9	66	92	135	179	219	105	144	212	284	347
	16/40	1.00	13.8	40	1.0	69	95	140	187	228	105	145	212	285	350
	16/45	1.00	13.8	45	1.1	66	92	134	179	219	110	151	222	297	369
Violet ● 1.6	16/25	1.90	13.8	25	0.65	45	63	93	124	151	72	100	146	196	240
	16/35	1.80	13.8	35	0.9	47	65	97	129	157	74	103	151	203	248
	16/40	1.60	13.8	40	1.0	51	70	103	138	169	80	110	162	217	266
	16/45	1.50	13.8	45	1.1	53	73	107	143	175	80	110	163	217	266
Green ● 2.0	16/25	2.20	13.8	25	0.65	43	59	87	116	142	64	88	130	174	314
	16/35	2.20	13.8	35	0.9	41	56	83	111	135	64	89	131	175	215
	16/40	2.10	13.8	40	1.0	43	59	88	117	143	68	94	138	185	227
	16/45	2.00	13.8	45	1.1	45	64	94	125	152	70	97	142	191	233
White ○ 4.0	16/25	4.40	13.8	25	0.65	25	35	52	69	84	41	57	84	113	139
	16/35	4.10	13.8	35	0.9	26	36	51	71	88	43	59	88	117	144
	16/40	3.90	13.8	40	1.0	27	38	56	74	91	44	62	91	123	150
	16/45	3.80	13.8	45	1.1	28	39	58	77	95	46	64	94	126	155
Blue ● 8.0	16/35	8.00	13.8	35	0.9	18	26	38	51	62	30	41	56	77	100
	16/40	8.00	13.8	40	1.0	18	25	38	50	61	29	41	56	77	99
	16/45	7.90	13.8	45	1.1	18	25	38	50	61	29	41	56	77	99
Gray ● 1.2	20/40	1.20	17.6	40	1.0	88	119	173	229	279	154	210	305	405	493
	20/45	1.17	17.6	45	1.1	100	136	198	262	319	157	214	311	413	503
Green ● 2.0	20/40	2.24	17.6	40	1.0	63	86	126	167	203	102	139	202	269	328
White ○ 4.0	20/45	2.15	17.6	45	1.1	67	92	133	177	216	105	144	209	279	340
	20/40	4.00	17.6	40	1.0	53	73	106	142	172	80	115	168	223	272
○ 4.0	20/45	3.90	17.6	45	1.1	53	73	107	142	173	80	116	169	224	273

* At 1.0 bar pressure

** Pressure at dripline inlet: 1.2 bar



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