



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 outlets* in spacings between emitters from 15 cm and up. The additional outlet eliminates the sucking in of small particles when the water is shut off.

* Single 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 1.0 bar:
 - Ø 8 mm: 1.2 lph
 - 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
- Dripline color: Black or white, available in purple for reclaimed water

Applications:

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





Maximum Recommended Dripline Length (m) on Flat Terrain

Color Code & Lph	Diameter (mm)/ Wall Thick. (mil)	Nominal Flow Rate (lph)*	Inside Diameter (mm)	Wall Thickness (mil) (mm)		Flow Variation ±5%				EU 90% **			
						Spacing between Emitters (m)							
						0.15	0.2	0.3	0.5	0.15	0.2	0.3	0.5
● Gray 1.2	8/32	1.20	6.4	32	0.80	12	15	21	32	19	24	34	50

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						Spacing between Emitters (m)									
						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	50	70	104	140	172	80	111	165	222	272
	12/35	0.70	10.4	35	0.90	52	72	107	144	176	82	114	169	228	279
● Gray 1.0	12/25	1.00	10.4	25	0.65	43	60	89	120	147	68	94	140	189	232
	12/35	0.90	10.4	35	0.90	44	61	91	122	150	69	96	143	193	237
● Green 2.0	12/25	2.20	10.4	25	0.65	24	34	51	68	84	40	56	83	112	137
	12/35	2.20	10.4	35	0.90	24	34	51	68	84	40	56	84	113	138
● Yellow 3.0	12/25	3.00	10.4	25	0.65	20	28	42	56	69	32	45	68	92	112
	12/35	2.90	10.4	35	0.90	20	28	42	56	69	33	46	68	92	113
● Gray 1.0	16/25	1.20	13.8	25	0.65	61	84	123	164	201	95	131	193	258	315
	16/35	1.10	13.8	35	0.90	70	96	141	188	230	110	151	222	297	363
	16/40	1.00	13.8	40	1.00	72	100	146	196	239	114	157	231	308	377
	16/45	1.00	13.8	45	1.10	73	100	147	197	240	115	158	233	311	380
● Violet 1.6	16/25	1.90	13.8	25	0.65	48	66	97	130	160	76	104	154	206	251
	16/35	1.80	13.8	35	0.90	49	68	101	134	164	78	108	159	212	259
	16/40	1.60	13.8	40	1.00	53	73	108	144	176	84	116	170	227	278
	16/45	1.50	13.8	45	1.10	55	76	112	150	183	87	120	177	236	289
● Green 2.0	16/25	2.25	13.8	25	0.65	42	59	87	116	141	67	93	137	183	223
	16/35	2.20	13.8	35	0.90	43	59	87	116	142	68	93	138	184	225
	16/40	2.05	13.8	40	1.00	45	62	92	123	150	71	98	145	194	237
	16/45	2.00	13.8	45	1.10	47	65	95	127	155	73	101	149	200	244
○ White 4.0	16/25	4.39	13.8	25	0.65	27	38	50	75	92	43	60	89	119	145
	16/35	4.10	13.8	35	0.90	29	40	58	78	95	45	62	92	123	151
	16/40	3.90	13.8	40	1.00	30	41	61	81	99	45	62	92	123	151
	16/45	3.80	13.8	45	1.10	31	43	63	84	103	48	67	99	132	162
● Blue 8.0	16/35	8.00	13.8	35	0.90	19	26	39	52	63	30	41	56	77	100
	16/45	7.90	13.8	45	1.10	19	26	38	51	62	29	41	56	77	99
● Gray 1.2	20/40	1.20	17.6	40	1.00	98	133	194	257	312	154	210	305	405	493
	20/45	1.17	17.6	45	1.10	100	136	198	262	319	157	214	311	413	503
● Green 2.0	20/35	2.30	17.6	35	0.90	62	85	124	164	200	100	136	201	264	327
	20/40	2.24	17.6	40	1.00	63	86	126	167	203	100	137	199	264	322
	20/45	2.15	17.6	45	1.10	67	92	133	177	216	108	147	215	287	350
○ White 4.0	20/35	4.10	17.6	35	0.90	46	63	92	122	143	73	99	145	193	235
	20/40	4.00	17.6	40	1.00	47	65	94	125	153	74	101	148	197	240
	20/45	3.90	17.6	45	1.10	47	64	94	125	152	74	102	149	197	241

* At 1.0 bar pressure

** Pressure at dripline inlet: 1.2 bar

