

Hydrogol

Durable multi-season integral dripline



JOHN DEERE
WATER



Hydrogol is an integral dripline, manufactured in various wall thicknesses, flow rates, and emitter spacings. The Hydrogol emitter is a cylindrical dripper, designed with a long, wide labyrinth. This configuration provides a turbulent water flow which minimizes the formation of residues that may cause clogging.

Hydrogol driplines are manufactured with two-orifice outlets* and with spacings between emitters from 15 cm and up. The additional outlet helps to eliminate the intrusion of small particles when the water is shut off.

* Single orifice outlet, only by special order

Specifications

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

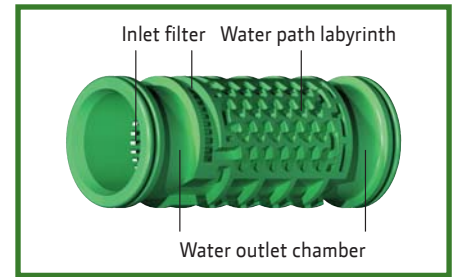
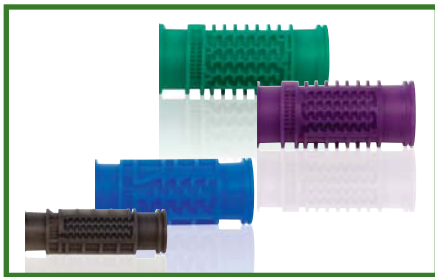
Protected against UV degradation

Resistant to chemicals and fertilizers commonly used in agriculture

Conforms to emission uniformity standard ISO 9261

Applications:

Field crops, fruit orchards & greenhouses, at any required emitter spacing from 15 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% Spacing between Emitters (m)					EU 90% ** Spacing between Emitters (m)					
					0.20	0.30	0.50	0.75	1.00	0.20	0.30	0.50	0.75	1.00	
Pink 0.70	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	16/35	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	16/35	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	16/35	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	16/35	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	20/40	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	20/40	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

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