D900 Drip Line

Maximize Your Farm With Longer Run Lengths

Rivulis D900 Thin Wall Drip Line

- Save on installation costs: Achieve longer run lengths with a smaller diameter tube
- More consistent crop yields: Achieve greater uniformity over longer run lengths

Rivulis

www.rivulis.com

Maximize: Farming

Have you ever wondered why some drip lines can work for longer run lengths than others?

The maximum distance a drip line can function is dependent on a number of factors including the exponent (correlation between flow output and pressure) and the kd value (friction caused by each emitter in the drip line). The lower the exponent and the kd value, the further you can run your dripirrigation system while still maintaining a high standard of irrigation uniformity.

Rivulis D900's design minimizes friction loss through its small design, and its uniquely engineered flow path that minimizes the exponent. In other words, Rivulis D900 allows you to achieve longer distances per row while still maintaining high uniformity.

Maximum: Run Lengths Comparison

Rivulis D900 16 mm, 1 l/h emitter at 50 cm spacing **222 m**

Calculations based on 1 bar pressure, flat ground and 10% maximum flow variation.

Greater run lengths provide numerous benefits

- Achieve longer run lengths with a smaller diameter tube: Save on installation costs
- Irrigate longer rows for more efficient farming operations: Longer rows, fewer tractor turns
- Greater uniformity of irrigation over longer run lengths: More consistent crop yields

Rivulis D900 Technical Data

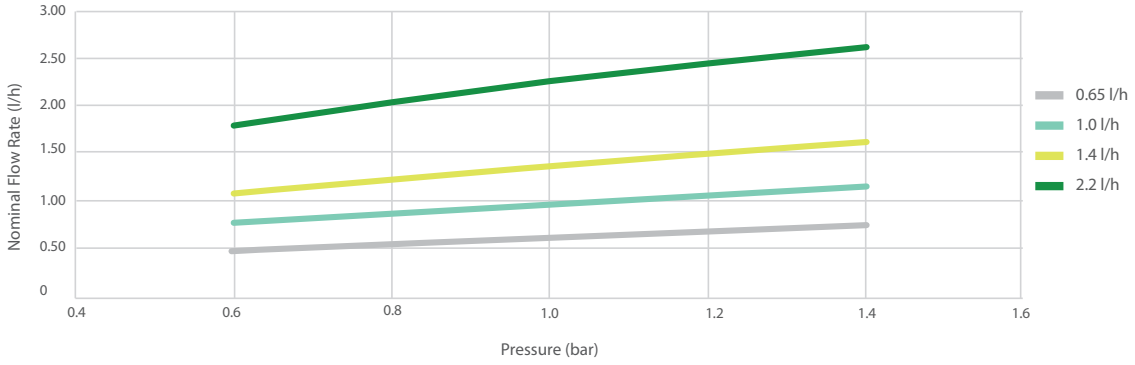
Nominal Ø	Wall Thickness		Internal Ø	Outside Ø	Nominal Flow Rate at 1.0 bar Pressure	Maximum Operating Pressure	Roll Length (according to emitter spacing)	Maximum Run Length (10% FV on Flat Ground) Spacing Between Emitters (cm)								
								15	20	25	30	33	40	50	60	75
(mm)	(mil)	(mm)	(mm)	(mm)	(l/h)	(bar)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
12	6	0.15	11.7	12	0.65	1.5	3400 (20 cm) 3500 (25 cm) 3600 (≥30 cm)	69	85	99	112	120	137	159	179	209
					1.0			52	64	75	85	91	103	120	136	158
					1.4			42	52	60	68	73	83	97	109	127
					2.27			31	38	44	50	53	61	71	80	92
	8	0.2	11.6	12	0.65	1.7	3300 (20 cm) 3400 (25 cm) 3500 (≥30 cm)	69	84	98	111	119	136	158	178	206
					1.0			52	64	74	84	90	102	119	134	156
					1.4			42	51	60	67	72	82	96	108	125
					2.2			31	38	45	50	54	61	68	75	82
16	5	0.135	16.1	16.37	0.65	0.8	3100 (10 cm) 3200 (15 cm) 3300 (20 cm) 3500 (25 cm) 3800 (≥30 cm)	121	147	171	194	234	272	306	355	368
					1.0			93	114	132	149	159	181	210	236	274
					1.4			77	93	107	121	129	146	169	190	220
					2.27			58	70	81	91	97	110	128	143	166
	6	0.15		16.4	0.65	1.0	2600 (10 cm) 2700 (15 cm) 2800 (20 cm) 2900 (25 cm) 3000 (≥30 cm)	122	148	172	195	236	274	308	357	370
					1.0			95	115	134	151	161	183	212	239	277
					1.4			77	94	109	122	130	148	171	192	223
					2.27			59	71	82	92	99	112	130	146	169
	8	0.2		16.5	0.65	1.2	2500 (10 cm) 2600 (15 cm) 2700 (20 cm) 2800 (25 cm) 2900 (≥30 cm)	123	149	173	196	237	275	310	359	376
					1.0			99	120	140	158	168	191	222	250	290
					1.4			78	94	110	123	131	149	173	194	224
					2.2			59	72	83	94	100	113	131	148	170
	10	0.25		16.6	0.65	1.4	2100 (10 cm) 2200 (15 cm) 2300 (20 cm) 2400 (25 cm) 2500 (≥30 cm)	123	150	174	197	238	276	311	361	368
					1.0			100	122	142	160	171	194	225	254	294
					1.4			80	97	112	126	134	152	176	199	230
					2.2			60	72	84	94	101	114	132	149	173
	12	0.3		16.7	0.65	1.5	1600 (10 cm) 1700 (15 cm) 1800 (20 cm) 1900 (25 cm) 2000 (≥30 cm)	123	150	174	197	238	276	311	361	368
					1.0			100	122	142	160	171	194	225	254	294
					1.4			80	97	112	126	134	152	176	199	230
					2.2			60	72	84	94	101	114	132	149	173
22	8	0.2	22.2	22.6	0.65	1.0	1900 (15 cm)	208	254	296	335	406	471	532	616	649
					1.0		2000 (20 cm)	166	202	236	266	284	323	375	424	491
					1.4		2100 (25 cm)	133	161	187	211	224	255	295	332	384
					2.2		2100 (≥30 cm)	101	122	142	160	170	193	224	252	291
	10	0.25		22.7	0.65	1.3	1300 (15 cm)	210	256	298	337	409	475	536	621	654
					1.0		1400 (20 cm)	174	212	247	280	298	339	394	445	515
					1.4		1500 (25 cm)	135	163	189	214	227	258	299	337	389
					2.2		1600 (≥30 cm)	103	124	144	163	173	196	228	256	296

Flap Outlet Option

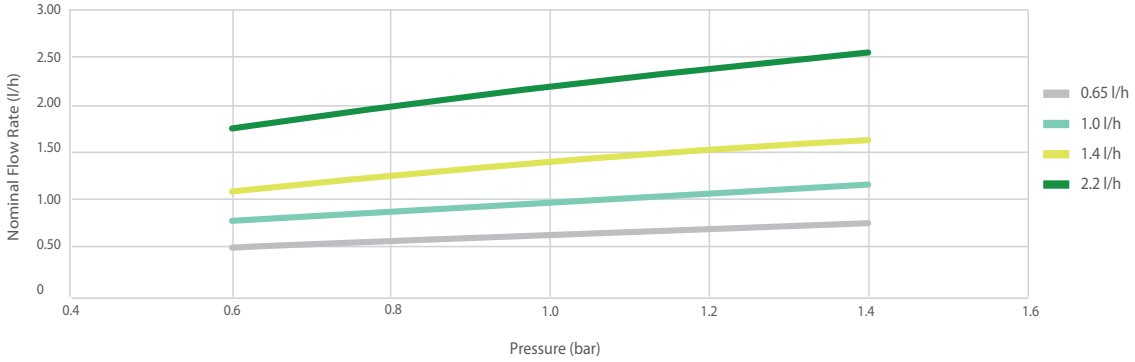
Both hole and flap outlet options are available. The flap outlet that helps prevent soil ingestion during system shut-down – **a great advantage for buried applications.**

Flow Rate (l/h) vs. Pressure (bar)

Flow / Pressure 16/6



Flow / Pressure 16/8



"By achieving longer run lengths, we significantly reduced our labor costs for installation in our corn crop."

Veysel Dursun, Manisa / Selimşahlar Turkey