

DRAGON-LINE LLC

SEPTEMBER 29, 2025

WISH-119627

CUSTOMER : WALTHER FARMS

LINDSAY GEN II - 30
6 TOWER - 1077.47 FT
SYSTEM 700 GPM @ 17 PSI

P.O. NO. : 25039

RIVULIS DRAGON-LINE®
NO REGULATORS
NO ENDGUN
ELEVATION 5 FT UP, 5 FT DOWN

100 SOUTH MAIN
ULYSSES, KANSAS 67880
(620)424-3724

WARRANTY

WATER APPLICATION UNIFORMITY OBTAINED WITH THIS SYSTEM CAN BE ADVERSELY AFFECTED BY MANY VARIABLES INCLUDING THE IMPROPER MAKEUP OR INSTALLATION OF THE SPRINKLER OR SPRAY NOZZLE PACKAGE, OBSTRUCTED NOZZLES, MAINTAINING INCORRECT PIVOT PRESSURE, UNFAVORABLE CLIMATIC CONDITIONS, TIGHT AND/OR SLOPING SOILS, IMPROPER END GUN ARC SETTINGS, ERRATIC AND IMPROPER OPERATING SPEED OF THE SYSTEM, POOR QUALITY OF WATER WITH ABRASIVES, CORROSIVES, AND/OR SOLIDS WHICH CAN CAUSE PLUGGING AND JAMMING, AS WELL AS INHERENT VARIABLES IN THE MANY COMPONENTS COMPRISING THE SYSTEM. THEREFORE WESTERN IRRIGATION SUPPLY HOUSE, INC., MAKES NO WARRANTY AS TO THE UNIFORMITY OF COVERAGE OBTAINED FROM THIS WATER APPLICATION PRINTOUT OTHER THAN ITS MATHEMATICAL ACCURACY.

IT IS THE RESPONSIBILITY OF THE END USER TO DETERMINE IF ANY INCOMPATIBILITY EXISTS BETWEEN THE WATER DISTRIBUTION DEVICES AND THE CROP, THE SOIL, AND THE PHYSICAL STRUCTURE OF THE MECHANICAL MOVE SYSTEM. WESTERN IRRIGATION SUPPLY HOUSE, INC., THEREFORE, DISCLAIMS ANY LIABILITY FOR DAMAGES DUE TO FAILURE OF THE SYSTEM TO PERFORM AS CONTEMPLATED.

FIGURES PRESENTED ON THIS COMPUTER PRINTOUT ARE BASED ON THE FOLLOWING:

1. DATA FURNISHED TO WESTERN IRRIGATION SUPPLY HOUSE, INC., ON PIPE LENGTH, DIAMETER, SURFACE FINISH, OUTLET SPACINGS, WATER FLOW, PIVOT PRESSURE AND ALL OTHER APPLICABLE INFORMATION.
2. THERE IS 100% WATER APPLICATION EFFICIENCY (ZERO WIND VELOCITY AND NO EVAPORATION).
3. PIVOT PRESSURE IS MEASURED ON THE MAIN HORIZONTAL DISTRIBUTION PIPE JUST AFTER THE LAST ELBOW.
4. MAIN PIPE PRESSURE IS CALCULATED AS IF THE PIVOT IS ALWAYS ON LEVEL GROUND.
5. SPRINKLER OR SPRAY NOZZLE BASE PRESSURE MAY BE LESS THAN MAIN LINE PIPE PRESSURE DUE TO THE USE OF PRESSURE REGULATORS. WHERE DROP PIPES ARE USED THE STATIC HEAD IS ADDED TO AND FRICTION LOSS IS SUBTRACTED FROM THE MAIN LINE PIPE PRESSURE TO DETERMINE INLET PSI. REGULATORS ARE CONSIDERED MOUNTED AT THE SAME HEIGHT AS THE SPRINKLING DEVICE UNLESS NOTED.

DEALER

DRAGON-LINE LLC
100 SOUTH MAIN
ULYSSES, KANSAS 67880

IRRIGATOR

WALTHER FARMS

25039

TOTAL TARGET GPM	700.00	FRICTION FACTOR USED	138	SPANS	LENGTH	PIPE I.D.
TOP OF PIVOT PRESSURE	17.00	TOTAL LENGTH	1077.47	1	181.60	6.395
NO ENDGUN		NUMBER OF TOWERS	6	3	179.00	6.395
NUMBER OF OUTLETS	842	NUMBER OF SPRINKLERS	842	2	157.00	6.395

RIVULIS DRAGON-LINE® - 2 GPH PC EMITTER SPACED EVERY 6 INCHES

NO REGULATORS

DRAGON-LINE® MOUNTED ON HYBRID MANIFOLD

ELEVATION IS 5 FT UP AND 5 FT DOWN

DRAGON-LINE® CAUTIONS AND WARNINGS

1. The emitters in Dragon-Line® require 80 mesh filtration. Water testing should be done to determine particulate size and concentration. Proper utilization of sand separators and filters should be employed to eliminate potential plugging.
2. Dragon-Line® is susceptible to plugging by contaminants in the water, soil, and air, as is all drip tape and tubing. In order to minimize the possible negative impacts of contaminants, water and possibly soil testing should be done to determine the existence and concentration of contaminants. Appropriate chemicals can then be delivered in a safe and calculated concentration to eliminate potential plugging.
3. Prior to installation the pivot should be checked for structural integrity and strength to enable proper operation with the increased drag created by pulling Dragon-Line® and blank tubing behind the pivot.
4. Adequate moisture to facilitate germination may be a consideration on years when soil moisture levels are low and/or naturally occurring rainfall is not timely. User may want to consider a dual system or the use of spray devices that can be adapted for Dragon-Line® in the field.
5. It is recommended that crop planting be circular so Dragon-Line® can be pulled through the field with minimal crop interference and precise positioning.
6. Conditions may occur which would impact the precise positioning of Dragon-Line®. Those conditions may include high winds in fields with minimal or no crop coverage, particularly when the system is off and the hoses and tubing are dry. Repositioning of the tubes may be necessary.
7. Dragon-Line® may be susceptible to damage by rodents and other animals which may be seeking water or satisfying their natural desire to chew.
8. Checking pivot pressure in conjunction with pivot flow is essential to ensure Dragon-Line® is operating as designed. An increase in pressure coupled with a decrease in flow may indicate possible plugging whereas a decrease in pressure coupled with an increase in flow may indicate damage to the hoses or tubing.
9. Dragon-Line® is limited to a maximum length of 100 feet due to the potential for excessive drag on the pivot and increased required inlet pressure due to friction loss through the Dragon-Line® tube.
10. Maximum spacing for Dragon-Line® should not exceed two times the row spacing of the crop.

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
1	14.03	14.03	0.02	0.07	16.77	22.39	RIVULIS DRAGON-LINE 1 FT	1		
2	1.25	15.28	0.02	0.07	16.72	22.35	RIVULIS DRAGON-LINE 1 FT	2		
3	1.25	16.53	0.03	0.07	16.68	22.31	RIVULIS DRAGON-LINE 1 FT	3		
4	1.25	17.78	0.03	0.07	16.64	22.27	RIVULIS DRAGON-LINE 1 FT	4		
5	1.25	19.03	0.03	0.07	16.60	22.23	RIVULIS DRAGON-LINE 1 FT	5		
6	1.25	20.28	0.03	0.07	16.56	22.40	RIVULIS DRAGON-LINE 1 FT	6		
7	1.25	21.53	0.03	0.07	16.52	22.36	RIVULIS DRAGON-LINE 1 FT	7		
8	1.25	22.78	0.03	0.07	16.48	22.32	RIVULIS DRAGON-LINE 1 FT	8		
9	1.25	24.03	0.04	0.07	16.44	22.28	RIVULIS DRAGON-LINE 1 FT	9		
10	1.25	25.28	0.04	0.07	16.40	22.25	RIVULIS DRAGON-LINE 1 FT	10		
11	1.25	26.53	0.04	0.07	16.36	22.21	RIVULIS DRAGON-LINE 1 FT	11		
12	1.25	27.78	0.04	0.07	16.33	22.17	RIVULIS DRAGON-LINE 1 FT	12		
13	1.25	29.03	0.04	0.07	16.29	22.13	RIVULIS DRAGON-LINE 1 FT	13		
14	1.25	30.28	0.05	0.07	16.25	22.10	RIVULIS DRAGON-LINE 1 FT	14		
15	1.25	31.53	0.05	0.07	16.22	22.28	RIVULIS DRAGON-LINE 1 FT	15		
16	1.25	32.78	0.05	0.07	16.18	22.24	RIVULIS DRAGON-LINE 1 FT	16		
17	1.25	34.03	0.05	0.07	16.14	22.20	RIVULIS DRAGON-LINE 1 FT	17		
18	1.25	35.28	0.05	0.07	16.11	22.17	RIVULIS DRAGON-LINE 1 FT	18		
19	1.25	36.53	0.06	0.07	16.08	22.14	RIVULIS DRAGON-LINE 1 FT	19		
20	1.25	37.78	0.06	0.07	16.04	22.10	RIVULIS DRAGON-LINE 1 FT	20		
21	1.25	39.03	0.06	0.07	16.01	22.07	RIVULIS DRAGON-LINE 1 FT	21		
22	1.25	40.28	0.06	0.07	15.98	22.03	RIVULIS DRAGON-LINE 1 FT	22		
23	1.25	41.53	0.06	0.07	15.94	22.00	RIVULIS DRAGON-LINE 1 FT	23		
24	1.25	42.78	0.07	0.07	15.91	21.97	RIVULIS DRAGON-LINE 1 FT	24		
25	1.25	44.03	0.07	0.07	15.88	21.94	RIVULIS DRAGON-LINE 1 FT	25		
26	1.25	45.28	0.07	0.07	15.85	22.12	RIVULIS DRAGON-LINE 1 FT	26		
27	1.25	46.53	0.07	0.07	15.82	22.09	RIVULIS DRAGON-LINE 1 FT	27		
28	1.25	47.78	0.07	0.07	15.79	22.06	RIVULIS DRAGON-LINE 1 FT	28		
29	1.25	49.03	0.07	0.07	15.76	22.03	RIVULIS DRAGON-LINE 1 FT	29		
30	1.25	50.28	0.08	0.07	15.73	22.00	RIVULIS DRAGON-LINE 1 FT	30		
31	1.25	51.53	0.08	0.07	15.70	21.98	RIVULIS DRAGON-LINE 1 FT	31		
32	1.25	52.78	0.08	0.07	15.67	21.95	RIVULIS DRAGON-LINE 1 FT	32		
33	1.25	54.03	0.08	0.07	15.64	21.92	RIVULIS DRAGON-LINE 1 FT	33		
34	1.25	55.28	0.08	0.07	15.62	21.89	RIVULIS DRAGON-LINE 1 FT	34		
35	1.25	56.53	0.09	0.07	15.59	21.86	RIVULIS DRAGON-LINE 1 FT	35		
36	1.25	57.78	0.09	0.07	15.56	21.84	RIVULIS DRAGON-LINE 1 FT	36		
37	1.25	59.03	0.09	0.07	15.54	21.81	RIVULIS DRAGON-LINE 1 FT	37		
38	1.25	60.28	0.09	0.07	15.51	21.79	RIVULIS DRAGON-LINE 1 FT	38		
39	1.25	61.53	0.09	0.07	15.49	21.76	RIVULIS DRAGON-LINE 1 FT	39		
40	1.25	62.78	0.10	0.07	15.46	21.74	RIVULIS DRAGON-LINE 1 FT	40		
41	1.25	64.03	0.10	0.07	15.44	21.71	RIVULIS DRAGON-LINE 1 FT	41		
42	1.25	65.28	0.10	0.07	15.41	21.91	RIVULIS DRAGON-LINE 1 FT	42		
43	1.25	66.53	0.10	0.13	15.39	21.88	RIVULIS DRAGON-LINE 2 FT	43		
44	1.25	67.78	0.10	0.13	15.37	21.86	RIVULIS DRAGON-LINE 2 FT	44		
45	1.25	69.03	0.11	0.13	15.35	21.84	RIVULIS DRAGON-LINE 2 FT	45		
46	1.25	70.28	0.11	0.13	15.33	21.82	RIVULIS DRAGON-LINE 2 FT	46		
47	1.25	71.53	0.11	0.13	15.30	21.79	RIVULIS DRAGON-LINE 2 FT	47		
48	1.25	72.78	0.11	0.13	15.28	21.77	RIVULIS DRAGON-LINE 2 FT	48		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE		SPRK NO.	REG SIZE	PLUG NO.
49	1.25	74.03	0.11	0.13	15.26	21.75	RIVULIS DRAGON-LINE 2 FT		49		
50	1.25	75.28	0.12	0.13	15.24	21.73	RIVULIS DRAGON-LINE 2 FT		50		
51	1.25	76.53	0.12	0.13	15.22	21.71	RIVULIS DRAGON-LINE 2 FT		51		
52	1.25	77.78	0.12	0.13	15.21	21.70	RIVULIS DRAGON-LINE 2 FT		52		
53	1.25	79.03	0.12	0.13	15.19	21.68	RIVULIS DRAGON-LINE 2 FT		53		
54	1.25	80.28	0.12	0.13	15.17	21.66	RIVULIS DRAGON-LINE 2 FT		54		
55	1.25	81.53	0.12	0.13	15.15	21.64	RIVULIS DRAGON-LINE 2 FT		55		
56	1.25	82.78	0.13	0.13	15.14	21.62	RIVULIS DRAGON-LINE 2 FT		56		
57	1.25	84.03	0.13	0.13	15.12	21.61	RIVULIS DRAGON-LINE 2 FT		57		
58	1.25	85.28	0.13	0.13	15.10	21.59	RIVULIS DRAGON-LINE 2 FT		58		
59	1.25	86.53	0.13	0.13	15.09	21.58	RIVULIS DRAGON-LINE 2 FT		59		
60	1.25	87.78	0.13	0.13	15.07	21.56	RIVULIS DRAGON-LINE 2 FT		60		
61	1.25	89.03	0.14	0.13	15.06	21.55	RIVULIS DRAGON-LINE 2 FT		61		
62	1.25	90.28	0.14	0.13	15.04	21.53	RIVULIS DRAGON-LINE 2 FT		62		
63	1.25	91.53	0.14	0.13	15.03	21.52	RIVULIS DRAGON-LINE 2 FT		63		
64	1.25	92.78	0.14	0.13	15.02	21.51	RIVULIS DRAGON-LINE 2 FT		64		
65	1.25	94.03	0.14	0.13	15.00	21.49	RIVULIS DRAGON-LINE 2 FT		65		
66	1.25	95.28	0.15	0.13	14.99	21.48	RIVULIS DRAGON-LINE 2 FT		66		
67	1.25	96.53	0.15	0.13	14.98	21.47	RIVULIS DRAGON-LINE 2 FT		67		
68	1.25	97.78	0.15	0.13	14.97	21.46	RIVULIS DRAGON-LINE 2 FT		68		
69	1.25	99.03	0.15	0.13	14.96	21.45	RIVULIS DRAGON-LINE 2 FT		69		
70	1.25	100.28	0.15	0.13	14.95	21.44	RIVULIS DRAGON-LINE 2 FT		70		
71	1.25	101.53	0.16	0.13	14.94	21.43	RIVULIS DRAGON-LINE 2 FT		71		
72	1.25	102.78	0.16	0.13	14.93	21.42	RIVULIS DRAGON-LINE 2 FT		72		
73	1.25	104.03	0.16	0.13	14.92	21.41	RIVULIS DRAGON-LINE 2 FT		73		
74	1.25	105.28	0.16	0.13	14.91	21.40	RIVULIS DRAGON-LINE 2 FT		74		
75	1.25	106.53	0.16	0.13	14.90	21.39	RIVULIS DRAGON-LINE 2 FT		75		
76	1.25	107.78	0.16	0.13	14.90	21.38	RIVULIS DRAGON-LINE 2 FT		76		
77	1.25	109.03	0.17	0.13	14.89	21.38	RIVULIS DRAGON-LINE 2 FT		77		
78	1.25	110.28	0.17	0.20	14.88	21.37	RIVULIS DRAGON-LINE 3 FT		78		
79	1.25	111.53	0.17	0.20	14.88	21.36	RIVULIS DRAGON-LINE 3 FT		79		
80	1.25	112.78	0.17	0.20	14.87	21.36	RIVULIS DRAGON-LINE 3 FT		80		
81	1.25	114.03	0.17	0.20	14.87	21.35	RIVULIS DRAGON-LINE 3 FT		81		
82	1.25	115.28	0.18	0.20	14.86	21.35	RIVULIS DRAGON-LINE 3 FT		82		
83	1.25	116.53	0.18	0.20	14.86	21.34	RIVULIS DRAGON-LINE 3 FT		83		
84	1.25	117.78	0.18	0.20	14.85	21.34	RIVULIS DRAGON-LINE 3 FT		84		
85	1.25	119.03	0.18	0.20	14.85	21.12	RIVULIS DRAGON-LINE 3 FT		85		
86	1.25	120.28	0.18	0.20	14.85	21.12	RIVULIS DRAGON-LINE 3 FT		86		
87	1.25	121.53	0.19	0.20	14.85	21.12	RIVULIS DRAGON-LINE 3 FT		87		
88	1.25	122.78	0.19	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		88		
89	1.25	124.03	0.19	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		89		
90	1.25	125.28	0.19	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		90		
91	1.25	126.53	0.19	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		91		
92	1.25	127.78	0.20	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		92		
93	1.25	129.03	0.20	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		93		
94	1.25	130.28	0.20	0.20	14.84	21.11	RIVULIS DRAGON-LINE 3 FT		94		
95	1.25	131.53	0.20	0.20	14.85	21.11	RIVULIS DRAGON-LINE 3 FT		95		
96	1.25	132.78	0.20	0.20	14.85	21.12	RIVULIS DRAGON-LINE 3 FT		96		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
97	1.25	134.03	0.20	0.20	14.85	21.12	RIVULIS DRAGON-LINE 3 FT	97		
98	1.25	135.28	0.21	0.20	14.85	21.12	RIVULIS DRAGON-LINE 3 FT	98		
99	1.25	136.53	0.21	0.20	14.86	21.12	RIVULIS DRAGON-LINE 3 FT	99		
100	1.25	137.78	0.21	0.20	14.86	20.91	RIVULIS DRAGON-LINE 3 FT	100		
101	1.25	139.03	0.21	0.20	14.87	20.92	RIVULIS DRAGON-LINE 3 FT	101		
102	1.25	140.28	0.21	0.20	14.87	20.92	RIVULIS DRAGON-LINE 3 FT	102		
103	1.25	141.53	0.22	0.20	14.88	20.93	RIVULIS DRAGON-LINE 3 FT	103		
104	1.25	142.78	0.22	0.20	14.88	20.93	RIVULIS DRAGON-LINE 3 FT	104		
105	1.25	144.03	0.22	0.20	14.89	20.94	RIVULIS DRAGON-LINE 3 FT	105		
106	1.25	145.28	0.22	0.20	14.90	20.95	RIVULIS DRAGON-LINE 3 FT	106		
107	1.25	146.53	0.22	0.20	14.90	20.95	RIVULIS DRAGON-LINE 3 FT	107		
108	1.25	147.78	0.23	0.20	14.91	20.96	RIVULIS DRAGON-LINE 3 FT	108		
109	1.25	149.03	0.23	0.20	14.92	20.97	RIVULIS DRAGON-LINE 3 FT	109		
110	1.25	150.28	0.23	0.20	14.93	20.98	RIVULIS DRAGON-LINE 3 FT	110		
111	1.25	151.53	0.23	0.20	14.94	20.77	RIVULIS DRAGON-LINE 3 FT	111		
112	1.25	152.78	0.23	0.27	14.95	20.78	RIVULIS DRAGON-LINE 4 FT	112		
113	1.25	154.03	0.24	0.27	14.96	20.79	RIVULIS DRAGON-LINE 4 FT	113		
114	1.25	155.28	0.24	0.27	14.97	20.80	RIVULIS DRAGON-LINE 4 FT	114		
115	1.25	156.53	0.24	0.27	14.98	20.81	RIVULIS DRAGON-LINE 4 FT	115		
116	1.25	157.78	0.24	0.27	14.99	20.82	RIVULIS DRAGON-LINE 4 FT	116		
117	1.25	159.03	0.24	0.27	15.00	20.83	RIVULIS DRAGON-LINE 4 FT	117		
118	1.25	160.28	0.25	0.27	15.01	20.85	RIVULIS DRAGON-LINE 4 FT	118		
119	1.25	161.53	0.25	0.27	15.03	20.86	RIVULIS DRAGON-LINE 4 FT	119		
120	1.25	162.78	0.25	0.27	15.04	20.66	RIVULIS DRAGON-LINE 4 FT	120		
121	1.25	164.03	0.25	0.27	15.06	20.67	RIVULIS DRAGON-LINE 4 FT	121		
122	1.25	165.28	0.25	0.27	15.07	20.68	RIVULIS DRAGON-LINE 4 FT	122		
123	1.25	166.53	0.25	0.27	15.08	20.70	RIVULIS DRAGON-LINE 4 FT	123		
124	1.25	167.78	0.26	0.27	15.10	20.71	RIVULIS DRAGON-LINE 4 FT	124		
125	1.25	169.03	0.26	0.27	15.12	20.73	RIVULIS DRAGON-LINE 4 FT	125		
126	1.25	170.28	0.26	0.27	15.13	20.75	RIVULIS DRAGON-LINE 4 FT	126		
127	1.25	171.53	0.26	0.27	15.15	20.76	RIVULIS DRAGON-LINE 4 FT	127		
128	1.25	172.78	0.26	0.27	15.14	20.54	RIVULIS DRAGON-LINE 4 FT	128		
129	1.25	174.03	0.27	0.27	15.13	20.53	RIVULIS DRAGON-LINE 4 FT	129		
130	1.25	175.28	0.27	0.27	15.12	20.51	RIVULIS DRAGON-LINE 4 FT	130		
131	1.25	176.53	0.27	0.27	15.10	20.50	RIVULIS DRAGON-LINE 4 FT	131		
132	1.25	177.78	0.27	0.27	15.09	20.49	RIVULIS DRAGON-LINE 4 FT	132		
133	1.25	179.03	0.28	0.27	15.08	20.47	RIVULIS DRAGON-LINE 4 FT	133		
TOWER 1	181.60	181.60								
134	2.75	181.78	0.28	0.27	15.05	20.44	RIVULIS DRAGON-LINE 4 FT	134		
135	1.25	183.03	0.28	0.27	15.04	20.43	RIVULIS DRAGON-LINE 4 FT	135		
136	1.25	184.28	0.28	0.27	15.02	20.42	RIVULIS DRAGON-LINE 4 FT	136		
137	1.25	185.53	0.28	0.27	15.01	20.40	RIVULIS DRAGON-LINE 4 FT	137		
138	1.25	186.78	0.29	0.27	15.00	20.39	RIVULIS DRAGON-LINE 4 FT	138		
139	1.25	188.03	0.29	0.27	14.98	20.38	RIVULIS DRAGON-LINE 4 FT	139		
140	1.25	189.28	0.29	0.27	14.97	20.37	RIVULIS DRAGON-LINE 4 FT	140		
141	1.25	190.53	0.29	0.27	14.94	20.55	RIVULIS DRAGON-LINE 4 FT	141		
142	1.25	191.78	0.29	0.27	14.90	20.51	RIVULIS DRAGON-LINE 4 FT	142		
143	1.25	193.03	0.30	0.27	14.86	20.47	RIVULIS DRAGON-LINE 4 FT	143		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
144	1.25	194.28	0.30	0.27	14.81	20.43	RIVULIS DRAGON-LINE 4 FT	144		
145	1.25	195.53	0.30	0.27	14.77	20.38	RIVULIS DRAGON-LINE 4 FT	145		
146	1.25	196.78	0.30	0.33	14.73	20.34	RIVULIS DRAGON-LINE 5 FT	146		
147	1.25	198.03	0.30	0.33	14.69	20.30	RIVULIS DRAGON-LINE 5 FT	147		
148	1.25	199.28	0.30	0.33	14.65	20.26	RIVULIS DRAGON-LINE 5 FT	148		
149	1.25	200.53	0.31	0.33	14.61	20.44	RIVULIS DRAGON-LINE 5 FT	149		
150	1.25	201.78	0.31	0.33	14.57	20.40	RIVULIS DRAGON-LINE 5 FT	150		
151	1.25	203.03	0.31	0.33	14.54	20.36	RIVULIS DRAGON-LINE 5 FT	151		
152	1.25	204.28	0.31	0.33	14.50	20.32	RIVULIS DRAGON-LINE 5 FT	152		
153	1.25	205.53	0.31	0.33	14.46	20.29	RIVULIS DRAGON-LINE 5 FT	153		
154	1.25	206.78	0.32	0.33	14.42	20.25	RIVULIS DRAGON-LINE 5 FT	154		
155	1.25	208.03	0.32	0.33	14.39	20.21	RIVULIS DRAGON-LINE 5 FT	155		
156	1.25	209.28	0.32	0.33	14.35	20.18	RIVULIS DRAGON-LINE 5 FT	156		
157	1.25	210.53	0.32	0.33	14.32	20.36	RIVULIS DRAGON-LINE 5 FT	157		
158	1.25	211.78	0.32	0.33	14.28	20.32	RIVULIS DRAGON-LINE 5 FT	158		
159	1.25	213.03	0.33	0.33	14.25	20.29	RIVULIS DRAGON-LINE 5 FT	159		
160	1.25	214.28	0.33	0.33	14.21	20.25	RIVULIS DRAGON-LINE 5 FT	160		
161	1.25	215.53	0.33	0.33	14.18	20.22	RIVULIS DRAGON-LINE 5 FT	161		
162	1.25	216.78	0.33	0.33	14.15	20.19	RIVULIS DRAGON-LINE 5 FT	162		
163	1.25	218.03	0.33	0.33	14.11	20.15	RIVULIS DRAGON-LINE 5 FT	163		
164	1.25	219.28	0.34	0.33	14.08	20.12	RIVULIS DRAGON-LINE 5 FT	164		
165	1.25	220.53	0.34	0.33	14.05	20.09	RIVULIS DRAGON-LINE 5 FT	165		
166	1.25	221.78	0.34	0.33	14.02	20.06	RIVULIS DRAGON-LINE 5 FT	166		
167	1.25	223.03	0.34	0.33	13.99	20.03	RIVULIS DRAGON-LINE 5 FT	167		
168	1.25	224.28	0.34	0.33	13.96	20.21	RIVULIS DRAGON-LINE 5 FT	168		
169	1.25	225.53	0.34	0.33	13.93	20.18	RIVULIS DRAGON-LINE 5 FT	169		
170	1.25	226.78	0.35	0.33	13.90	20.15	RIVULIS DRAGON-LINE 5 FT	170		
171	1.25	228.03	0.35	0.33	13.87	20.12	RIVULIS DRAGON-LINE 5 FT	171		
172	1.25	229.28	0.35	0.33	13.84	20.10	RIVULIS DRAGON-LINE 5 FT	172		
173	1.25	230.53	0.35	0.33	13.82	20.07	RIVULIS DRAGON-LINE 5 FT	173		
174	1.25	231.78	0.35	0.33	13.79	20.04	RIVULIS DRAGON-LINE 5 FT	174		
175	1.25	233.03	0.36	0.33	13.76	20.01	RIVULIS DRAGON-LINE 5 FT	175		
176	1.25	234.28	0.36	0.33	13.74	19.99	RIVULIS DRAGON-LINE 5 FT	176		
177	1.25	235.53	0.36	0.33	13.71	19.96	RIVULIS DRAGON-LINE 5 FT	177		
178	1.25	236.78	0.36	0.33	13.68	19.94	RIVULIS DRAGON-LINE 5 FT	178		
179	1.25	238.03	0.36	0.33	13.66	19.91	RIVULIS DRAGON-LINE 5 FT	179		
180	1.25	239.28	0.37	0.33	13.63	19.89	RIVULIS DRAGON-LINE 5 FT	180		
181	1.25	240.53	0.37	0.40	13.61	19.86	RIVULIS DRAGON-LINE 6 FT	181		
182	1.25	241.78	0.37	0.40	13.59	19.84	RIVULIS DRAGON-LINE 6 FT	182		
183	1.25	243.03	0.37	0.40	13.56	19.81	RIVULIS DRAGON-LINE 6 FT	183		
184	1.25	244.28	0.37	0.40	13.54	20.01	RIVULIS DRAGON-LINE 6 FT	184		
185	1.25	245.53	0.38	0.40	13.52	19.99	RIVULIS DRAGON-LINE 6 FT	185		
186	1.25	246.78	0.38	0.40	13.50	19.96	RIVULIS DRAGON-LINE 6 FT	186		
187	1.25	248.03	0.38	0.40	13.48	19.94	RIVULIS DRAGON-LINE 6 FT	187		
188	1.25	249.28	0.38	0.40	13.46	19.92	RIVULIS DRAGON-LINE 6 FT	188		
189	1.25	250.53	0.38	0.40	13.44	19.90	RIVULIS DRAGON-LINE 6 FT	189		
190	1.25	251.78	0.38	0.40	13.42	19.88	RIVULIS DRAGON-LINE 6 FT	190		
191	1.25	253.03	0.39	0.40	13.40	19.86	RIVULIS DRAGON-LINE 6 FT	191		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
192	1.25	254.28	0.39	0.40	13.38	19.84	RIVULIS DRAGON-LINE 6 FT	192		
193	1.25	255.53	0.39	0.40	13.36	19.83	RIVULIS DRAGON-LINE 6 FT	193		
194	1.25	256.78	0.39	0.40	13.34	19.81	RIVULIS DRAGON-LINE 6 FT	194		
195	1.25	258.03	0.39	0.40	13.33	19.79	RIVULIS DRAGON-LINE 6 FT	195		
196	1.25	259.28	0.40	0.40	13.31	19.77	RIVULIS DRAGON-LINE 6 FT	196		
197	1.25	260.53	0.40	0.40	13.29	19.76	RIVULIS DRAGON-LINE 6 FT	197		
198	1.25	261.78	0.40	0.40	13.28	19.74	RIVULIS DRAGON-LINE 6 FT	198		
199	1.25	263.03	0.40	0.40	13.26	19.73	RIVULIS DRAGON-LINE 6 FT	199		
200	1.25	264.28	0.40	0.40	13.25	19.71	RIVULIS DRAGON-LINE 6 FT	200		
201	1.25	265.53	0.41	0.40	13.24	19.70	RIVULIS DRAGON-LINE 6 FT	201		
202	1.25	266.78	0.41	0.40	13.22	19.68	RIVULIS DRAGON-LINE 6 FT	202		
203	1.25	268.03	0.41	0.40	13.21	19.67	RIVULIS DRAGON-LINE 6 FT	203		
204	1.25	269.28	0.41	0.40	13.20	19.66	RIVULIS DRAGON-LINE 6 FT	204		
205	1.25	270.53	0.41	0.40	13.18	19.64	RIVULIS DRAGON-LINE 6 FT	205		
206	1.25	271.78	0.42	0.40	13.17	19.63	RIVULIS DRAGON-LINE 6 FT	206		
207	1.25	273.03	0.42	0.40	13.16	19.62	RIVULIS DRAGON-LINE 6 FT	207		
208	1.25	274.28	0.42	0.40	13.15	19.61	RIVULIS DRAGON-LINE 6 FT	208		
209	1.25	275.53	0.42	0.40	13.14	19.60	RIVULIS DRAGON-LINE 6 FT	209		
210	1.25	276.78	0.42	0.40	13.13	19.59	RIVULIS DRAGON-LINE 6 FT	210		
211	1.25	278.03	0.43	0.40	13.12	19.58	RIVULIS DRAGON-LINE 6 FT	211		
212	1.25	279.28	0.43	0.40	13.11	19.57	RIVULIS DRAGON-LINE 6 FT	212		
213	1.25	280.53	0.43	0.40	13.10	19.56	RIVULIS DRAGON-LINE 6 FT	213		
214	1.25	281.78	0.43	0.40	13.09	19.55	RIVULIS DRAGON-LINE 6 FT	214		
215	1.25	283.03	0.43	0.40	13.09	19.55	RIVULIS DRAGON-LINE 6 FT	215		
216	1.25	284.28	0.43	0.47	13.08	19.54	RIVULIS DRAGON-LINE 7 FT	216		
217	1.25	285.53	0.44	0.47	13.07	19.53	RIVULIS DRAGON-LINE 7 FT	217		
218	1.25	286.78	0.44	0.47	13.07	19.52	RIVULIS DRAGON-LINE 7 FT	218		
219	1.25	288.03	0.44	0.47	13.06	19.52	RIVULIS DRAGON-LINE 7 FT	219		
220	1.25	289.28	0.44	0.47	13.06	19.51	RIVULIS DRAGON-LINE 7 FT	220		
221	1.25	290.53	0.44	0.47	13.05	19.51	RIVULIS DRAGON-LINE 7 FT	221		
222	1.25	291.78	0.45	0.47	13.05	19.50	RIVULIS DRAGON-LINE 7 FT	222		
223	1.25	293.03	0.45	0.47	13.05	19.50	RIVULIS DRAGON-LINE 7 FT	223		
224	1.25	294.28	0.45	0.47	13.04	19.50	RIVULIS DRAGON-LINE 7 FT	224		
225	1.25	295.53	0.45	0.47	13.04	19.49	RIVULIS DRAGON-LINE 7 FT	225		
226	1.25	296.78	0.45	0.47	13.04	19.49	RIVULIS DRAGON-LINE 7 FT	226		
227	1.25	298.03	0.46	0.47	13.04	19.27	RIVULIS DRAGON-LINE 7 FT	227		
228	1.25	299.28	0.46	0.47	13.04	19.27	RIVULIS DRAGON-LINE 7 FT	228		
229	1.25	300.53	0.46	0.47	13.03	19.27	RIVULIS DRAGON-LINE 7 FT	229		
230	1.25	301.78	0.46	0.47	13.03	19.27	RIVULIS DRAGON-LINE 7 FT	230		
231	1.25	303.03	0.46	0.47	13.03	19.27	RIVULIS DRAGON-LINE 7 FT	231		
232	1.25	304.28	0.47	0.47	13.04	19.27	RIVULIS DRAGON-LINE 7 FT	232		
233	1.25	305.53	0.47	0.47	13.04	19.27	RIVULIS DRAGON-LINE 7 FT	233		
234	1.25	306.78	0.47	0.47	13.04	19.27	RIVULIS DRAGON-LINE 7 FT	234		
235	1.25	308.03	0.47	0.47	13.04	19.28	RIVULIS DRAGON-LINE 7 FT	235		
236	1.25	309.28	0.47	0.47	13.04	19.28	RIVULIS DRAGON-LINE 7 FT	236		
237	1.25	310.53	0.47	0.47	13.05	19.28	RIVULIS DRAGON-LINE 7 FT	237		
238	1.25	311.78	0.48	0.47	13.05	19.29	RIVULIS DRAGON-LINE 7 FT	238		
239	1.25	313.03	0.48	0.47	13.06	19.29	RIVULIS DRAGON-LINE 7 FT	239		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
240		1.25	314.28	0.48	0.47	13.06	RIVULIS DRAGON-LINE 7 FT	240		
241		1.25	315.53	0.48	0.47	13.06	RIVULIS DRAGON-LINE 7 FT	241		
242		1.25	316.78	0.48	0.47	13.07	RIVULIS DRAGON-LINE 7 FT	242		
243		1.25	318.03	0.49	0.47	13.08	RIVULIS DRAGON-LINE 7 FT	243		
244		1.25	319.28	0.49	0.47	13.08	RIVULIS DRAGON-LINE 7 FT	244		
245		1.25	320.53	0.49	0.47	13.09	RIVULIS DRAGON-LINE 7 FT	245		
246		1.25	321.78	0.49	0.47	13.10	RIVULIS DRAGON-LINE 7 FT	246		
247		1.25	323.03	0.49	0.47	13.11	RIVULIS DRAGON-LINE 7 FT	247		
248		1.25	324.28	0.50	0.47	13.12	RIVULIS DRAGON-LINE 7 FT	248		
249		1.25	325.53	0.50	0.47	13.12	RIVULIS DRAGON-LINE 7 FT	249		
250		1.25	326.78	0.50	0.47	13.13	RIVULIS DRAGON-LINE 7 FT	250		
251		1.25	328.03	0.50	0.53	13.14	RIVULIS DRAGON-LINE 8 FT	251		
252		1.25	329.28	0.50	0.53	13.15	RIVULIS DRAGON-LINE 8 FT	252		
253		1.25	330.53	0.51	0.53	13.17	RIVULIS DRAGON-LINE 8 FT	253		
254		1.25	331.78	0.51	0.53	13.18	RIVULIS DRAGON-LINE 8 FT	254		
255		1.25	333.03	0.51	0.53	13.19	RIVULIS DRAGON-LINE 8 FT	255		
256		1.25	334.28	0.51	0.53	13.20	RIVULIS DRAGON-LINE 8 FT	256		
257		1.25	335.53	0.51	0.53	13.21	RIVULIS DRAGON-LINE 8 FT	257		
258		1.25	336.78	0.51	0.53	13.23	RIVULIS DRAGON-LINE 8 FT	258		
259		1.25	338.03	0.52	0.53	13.24	RIVULIS DRAGON-LINE 8 FT	259		
260		1.25	339.28	0.52	0.53	13.26	RIVULIS DRAGON-LINE 8 FT	260		
261		1.25	340.53	0.52	0.53	13.27	RIVULIS DRAGON-LINE 8 FT	261		
262		1.25	341.78	0.52	0.53	13.29	RIVULIS DRAGON-LINE 8 FT	262		
263		1.25	343.03	0.52	0.53	13.30	RIVULIS DRAGON-LINE 8 FT	263		
264		1.25	344.28	0.53	0.53	13.32	RIVULIS DRAGON-LINE 8 FT	264		
265		1.25	345.53	0.53	0.53	13.34	RIVULIS DRAGON-LINE 8 FT	265		
266		1.25	346.78	0.53	0.53	13.35	RIVULIS DRAGON-LINE 8 FT	266		
267		1.25	348.03	0.53	0.53	13.37	RIVULIS DRAGON-LINE 8 FT	267		
268		1.25	349.28	0.53	0.53	13.39	RIVULIS DRAGON-LINE 8 FT	268		
269		1.25	350.53	0.54	0.53	13.41	RIVULIS DRAGON-LINE 8 FT	269		
270		1.25	351.78	0.54	0.53	13.40	RIVULIS DRAGON-LINE 8 FT	270		
271		1.25	353.03	0.54	0.53	13.39	RIVULIS DRAGON-LINE 8 FT	271		
272		1.25	354.28	0.54	0.53	13.38	RIVULIS DRAGON-LINE 8 FT	272		
273		1.25	355.53	0.54	0.53	13.37	RIVULIS DRAGON-LINE 8 FT	273		
274		1.25	356.78	0.55	0.53	13.36	RIVULIS DRAGON-LINE 8 FT	274		
275		1.25	358.03	0.55	0.53	13.35	RIVULIS DRAGON-LINE 8 FT	275		
TOWER 2		179.00	360.60							
276		2.75	360.78	0.55	0.53	13.32	RIVULIS DRAGON-LINE 8 FT	276		
277		1.25	362.03	0.55	0.53	13.31	RIVULIS DRAGON-LINE 8 FT	277		
278		1.25	363.28	0.56	0.53	13.30	RIVULIS DRAGON-LINE 8 FT	278		
279		1.25	364.53	0.56	0.53	13.29	RIVULIS DRAGON-LINE 8 FT	279		
280		1.25	365.78	0.56	0.53	13.28	RIVULIS DRAGON-LINE 8 FT	280		
281		1.25	367.03	0.56	0.53	13.27	RIVULIS DRAGON-LINE 8 FT	281		
282		1.25	368.28	0.56	0.53	13.26	RIVULIS DRAGON-LINE 8 FT	282		
283		1.25	369.53	0.56	0.53	13.23	RIVULIS DRAGON-LINE 8 FT	283		
284		1.25	370.78	0.57	0.53	13.19	RIVULIS DRAGON-LINE 8 FT	284		
285		1.25	372.03	0.57	0.60	13.15	RIVULIS DRAGON-LINE 9 FT	285		
286		1.25	373.28	0.57	0.60	13.11	RIVULIS DRAGON-LINE 9 FT	286		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
287	1.25	374.53	0.57	0.60	13.07	18.64	RIVULIS DRAGON-LINE 9 FT	287		
288	1.25	375.78	0.57	0.60	13.03	18.60	RIVULIS DRAGON-LINE 9 FT	288		
289	1.25	377.03	0.58	0.60	13.00	18.56	RIVULIS DRAGON-LINE 9 FT	289		
290	1.25	378.28	0.58	0.60	12.96	18.53	RIVULIS DRAGON-LINE 9 FT	290		
291	1.25	379.53	0.58	0.60	12.92	18.70	RIVULIS DRAGON-LINE 9 FT	291		
292	1.25	380.78	0.58	0.60	12.88	18.67	RIVULIS DRAGON-LINE 9 FT	292		
293	1.25	382.03	0.58	0.60	12.85	18.63	RIVULIS DRAGON-LINE 9 FT	293		
294	1.25	383.28	0.59	0.60	12.81	18.59	RIVULIS DRAGON-LINE 9 FT	294		
295	1.25	384.53	0.59	0.60	12.78	18.56	RIVULIS DRAGON-LINE 9 FT	295		
296	1.25	385.78	0.59	0.60	12.74	18.52	RIVULIS DRAGON-LINE 9 FT	296		
297	1.25	387.03	0.59	0.60	12.71	18.49	RIVULIS DRAGON-LINE 9 FT	297		
298	1.25	388.28	0.59	0.60	12.67	18.45	RIVULIS DRAGON-LINE 9 FT	298		
299	1.25	389.53	0.60	0.60	12.64	18.64	RIVULIS DRAGON-LINE 9 FT	299		
300	1.25	390.78	0.60	0.60	12.61	18.60	RIVULIS DRAGON-LINE 9 FT	300		
301	1.25	392.03	0.60	0.60	12.58	18.57	RIVULIS DRAGON-LINE 9 FT	301		
302	1.25	393.28	0.60	0.60	12.54	18.54	RIVULIS DRAGON-LINE 9 FT	302		
303	1.25	394.53	0.60	0.60	12.51	18.51	RIVULIS DRAGON-LINE 9 FT	303		
304	1.25	395.78	0.61	0.60	12.48	18.48	RIVULIS DRAGON-LINE 9 FT	304		
305	1.25	397.03	0.61	0.60	12.45	18.45	RIVULIS DRAGON-LINE 9 FT	305		
306	1.25	398.28	0.61	0.60	12.42	18.42	RIVULIS DRAGON-LINE 9 FT	306		
307	1.25	399.53	0.61	0.60	12.39	18.39	RIVULIS DRAGON-LINE 9 FT	307		
308	1.25	400.78	0.61	0.60	12.36	18.36	RIVULIS DRAGON-LINE 9 FT	308		
309	1.25	402.03	0.61	0.60	12.33	18.33	RIVULIS DRAGON-LINE 9 FT	309		
310	1.25	403.28	0.62	0.60	12.31	18.52	RIVULIS DRAGON-LINE 9 FT	310		
311	1.25	404.53	0.62	0.60	12.28	18.49	RIVULIS DRAGON-LINE 9 FT	311		
312	1.25	405.78	0.62	0.60	12.25	18.46	RIVULIS DRAGON-LINE 9 FT	312		
313	1.25	407.03	0.62	0.60	12.23	18.43	RIVULIS DRAGON-LINE 9 FT	313		
314	1.25	408.28	0.62	0.60	12.20	18.41	RIVULIS DRAGON-LINE 9 FT	314		
315	1.25	409.53	0.63	0.60	12.17	18.38	RIVULIS DRAGON-LINE 9 FT	315		
316	1.25	410.78	0.63	0.60	12.15	18.36	RIVULIS DRAGON-LINE 9 FT	316		
317	1.25	412.03	0.63	0.60	12.13	18.33	RIVULIS DRAGON-LINE 9 FT	317		
318	1.25	413.28	0.63	0.60	12.10	18.31	RIVULIS DRAGON-LINE 9 FT	318		
319	1.25	414.53	0.63	0.67	12.08	18.28	RIVULIS DRAGON-LINE 10 FT	319		
320	1.25	415.78	0.64	0.67	12.06	18.26	RIVULIS DRAGON-LINE 10 FT	320		
321	1.25	417.03	0.64	0.67	12.03	18.24	RIVULIS DRAGON-LINE 10 FT	321		
322	1.25	418.28	0.64	0.67	12.01	18.21	RIVULIS DRAGON-LINE 10 FT	322		
323	1.25	419.53	0.64	0.67	11.99	18.19	RIVULIS DRAGON-LINE 10 FT	323		
324	1.25	420.78	0.64	0.67	11.97	18.17	RIVULIS DRAGON-LINE 10 FT	324		
325	1.25	422.03	0.65	0.67	11.95	18.15	RIVULIS DRAGON-LINE 10 FT	325		
326	1.25	423.28	0.65	0.67	11.93	18.35	RIVULIS DRAGON-LINE 10 FT	326		
327	1.25	424.53	0.65	0.67	11.91	18.33	RIVULIS DRAGON-LINE 10 FT	327		
328	1.25	425.78	0.65	0.67	11.89	18.31	RIVULIS DRAGON-LINE 10 FT	328		
329	1.25	427.03	0.65	0.67	11.87	18.29	RIVULIS DRAGON-LINE 10 FT	329		
330	1.25	428.28	0.65	0.67	11.85	18.27	RIVULIS DRAGON-LINE 10 FT	330		
331	1.25	429.53	0.66	0.67	11.83	18.25	RIVULIS DRAGON-LINE 10 FT	331		
332	1.25	430.78	0.66	0.67	11.82	18.23	RIVULIS DRAGON-LINE 10 FT	332		
333	1.25	432.03	0.66	0.67	11.80	18.22	RIVULIS DRAGON-LINE 10 FT	333		
334	1.25	433.28	0.66	0.67	11.79	18.20	RIVULIS DRAGON-LINE 10 FT	334		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
335	1.25	434.53	0.66	0.67	11.77	18.18	RIVULIS DRAGON-LINE 10 FT	335		
336	1.25	435.78	0.67	0.67	11.75	18.17	RIVULIS DRAGON-LINE 10 FT	336		
337	1.25	437.03	0.67	0.67	11.74	18.15	RIVULIS DRAGON-LINE 10 FT	337		
338	1.25	438.28	0.67	0.67	11.73	18.14	RIVULIS DRAGON-LINE 10 FT	338		
339	1.25	439.53	0.67	0.67	11.71	18.12	RIVULIS DRAGON-LINE 10 FT	339		
340	1.25	440.78	0.67	0.67	11.70	18.11	RIVULIS DRAGON-LINE 10 FT	340		
341	1.25	442.03	0.68	0.67	11.69	18.10	RIVULIS DRAGON-LINE 10 FT	341		
342	1.25	443.28	0.68	0.67	11.67	18.09	RIVULIS DRAGON-LINE 10 FT	342		
343	1.25	444.53	0.68	0.67	11.66	18.07	RIVULIS DRAGON-LINE 10 FT	343		
344	1.25	445.78	0.68	0.67	11.65	18.06	RIVULIS DRAGON-LINE 10 FT	344		
345	1.25	447.03	0.68	0.67	11.64	18.05	RIVULIS DRAGON-LINE 10 FT	345		
346	1.25	448.28	0.69	0.67	11.63	18.04	RIVULIS DRAGON-LINE 10 FT	346		
347	1.25	449.53	0.69	0.67	11.62	18.03	RIVULIS DRAGON-LINE 10 FT	347		
348	1.25	450.78	0.69	0.67	11.61	18.02	RIVULIS DRAGON-LINE 10 FT	348		
349	1.25	452.03	0.69	0.67	11.60	18.01	RIVULIS DRAGON-LINE 10 FT	349		
350	1.25	453.28	0.69	0.67	11.59	18.00	RIVULIS DRAGON-LINE 10 FT	350		
351	1.25	454.53	0.69	0.67	11.59	17.99	RIVULIS DRAGON-LINE 10 FT	351		
352	1.25	455.78	0.70	0.67	11.58	17.99	RIVULIS DRAGON-LINE 10 FT	352		
353	1.25	457.03	0.70	0.67	11.57	17.98	RIVULIS DRAGON-LINE 10 FT	353		
354	1.25	458.28	0.70	0.73	11.57	17.97	RIVULIS DRAGON-LINE 11 FT	354		
355	1.25	459.53	0.70	0.73	11.56	17.97	RIVULIS DRAGON-LINE 11 FT	355		
356	1.25	460.78	0.70	0.73	11.55	17.96	RIVULIS DRAGON-LINE 11 FT	356		
357	1.25	462.03	0.71	0.73	11.55	17.95	RIVULIS DRAGON-LINE 11 FT	357		
358	1.25	463.28	0.71	0.73	11.55	17.95	RIVULIS DRAGON-LINE 11 FT	358		
359	1.25	464.53	0.71	0.73	11.54	17.95	RIVULIS DRAGON-LINE 11 FT	359		
360	1.25	465.78	0.71	0.73	11.54	17.94	RIVULIS DRAGON-LINE 11 FT	360		
361	1.25	467.03	0.71	0.73	11.54	17.94	RIVULIS DRAGON-LINE 11 FT	361		
362	1.25	468.28	0.72	0.73	11.53	17.94	RIVULIS DRAGON-LINE 11 FT	362		
363	1.25	469.53	0.72	0.73	11.53	17.93	RIVULIS DRAGON-LINE 11 FT	363		
364	1.25	470.78	0.72	0.73	11.53	17.93	RIVULIS DRAGON-LINE 11 FT	364		
365	1.25	472.03	0.72	0.73	11.53	17.93	RIVULIS DRAGON-LINE 11 FT	365		
366	1.25	473.28	0.72	0.73	11.53	17.93	RIVULIS DRAGON-LINE 11 FT	366		
367	1.25	474.53	0.73	0.73	11.53	17.93	RIVULIS DRAGON-LINE 11 FT	367		
368	1.25	475.78	0.73	0.73	11.53	17.93	RIVULIS DRAGON-LINE 11 FT	368		
369	1.25	477.03	0.73	0.73	11.53	17.71	RIVULIS DRAGON-LINE 11 FT	369		
370	1.25	478.28	0.73	0.73	11.53	17.72	RIVULIS DRAGON-LINE 11 FT	370		
371	1.25	479.53	0.73	0.73	11.53	17.72	RIVULIS DRAGON-LINE 11 FT	371		
372	1.25	480.78	0.74	0.73	11.54	17.72	RIVULIS DRAGON-LINE 11 FT	372		
373	1.25	482.03	0.74	0.73	11.54	17.72	RIVULIS DRAGON-LINE 11 FT	373		
374	1.25	483.28	0.74	0.73	11.54	17.72	RIVULIS DRAGON-LINE 11 FT	374		
375	1.25	484.53	0.74	0.73	11.55	17.73	RIVULIS DRAGON-LINE 11 FT	375		
376	1.25	485.78	0.74	0.73	11.55	17.73	RIVULIS DRAGON-LINE 11 FT	376		
377	1.25	487.03	0.74	0.73	11.56	17.74	RIVULIS DRAGON-LINE 11 FT	377		
378	1.25	488.28	0.75	0.73	11.56	17.74	RIVULIS DRAGON-LINE 11 FT	378		
379	1.25	489.53	0.75	0.73	11.57	17.75	RIVULIS DRAGON-LINE 11 FT	379		
380	1.25	490.78	0.75	0.73	11.58	17.75	RIVULIS DRAGON-LINE 11 FT	380		
381	1.25	492.03	0.75	0.73	11.58	17.76	RIVULIS DRAGON-LINE 11 FT	381		
382	1.25	493.28	0.75	0.73	11.59	17.77	RIVULIS DRAGON-LINE 11 FT	382		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
383		1.25	494.53	0.76	0.73	11.60	RIVULIS DRAGON-LINE 11 FT	383		
384		1.25	495.78	0.76	0.73	11.61	RIVULIS DRAGON-LINE 11 FT	384		
385		1.25	497.03	0.76	0.73	11.61	RIVULIS DRAGON-LINE 11 FT	385		
386		1.25	498.28	0.76	0.73	11.62	RIVULIS DRAGON-LINE 11 FT	386		
387		1.25	499.53	0.76	0.73	11.63	RIVULIS DRAGON-LINE 11 FT	387		
388		1.25	500.78	0.77	0.73	11.64	RIVULIS DRAGON-LINE 11 FT	388		
389		1.25	502.03	0.77	0.80	11.66	RIVULIS DRAGON-LINE 12 FT	389		
390		1.25	503.28	0.77	0.80	11.67	RIVULIS DRAGON-LINE 12 FT	390		
391		1.25	504.53	0.77	0.80	11.68	RIVULIS DRAGON-LINE 12 FT	391		
392		1.25	505.78	0.77	0.80	11.69	RIVULIS DRAGON-LINE 12 FT	392		
393		1.25	507.03	0.78	0.80	11.70	RIVULIS DRAGON-LINE 12 FT	393		
394		1.25	508.28	0.78	0.80	11.72	RIVULIS DRAGON-LINE 12 FT	394		
395		1.25	509.53	0.78	0.80	11.73	RIVULIS DRAGON-LINE 12 FT	395		
396		1.25	510.78	0.78	0.80	11.75	RIVULIS DRAGON-LINE 12 FT	396		
397		1.25	512.03	0.78	0.80	11.76	RIVULIS DRAGON-LINE 12 FT	397		
398		1.25	513.28	0.78	0.80	11.78	RIVULIS DRAGON-LINE 12 FT	398		
399		1.25	514.53	0.79	0.80	11.79	RIVULIS DRAGON-LINE 12 FT	399		
400		1.25	515.78	0.79	0.80	11.81	RIVULIS DRAGON-LINE 12 FT	400		
401		1.25	517.03	0.79	0.80	11.83	RIVULIS DRAGON-LINE 12 FT	401		
402		1.25	518.28	0.79	0.80	11.84	RIVULIS DRAGON-LINE 12 FT	402		
403		1.25	519.53	0.79	0.80	11.86	RIVULIS DRAGON-LINE 12 FT	403		
404		1.25	520.78	0.80	0.80	11.88	RIVULIS DRAGON-LINE 12 FT	404		
405		1.25	522.03	0.80	0.80	11.90	RIVULIS DRAGON-LINE 12 FT	405		
406		1.25	523.28	0.80	0.80	11.92	RIVULIS DRAGON-LINE 12 FT	406		
407		1.25	524.53	0.80	0.80	11.94	RIVULIS DRAGON-LINE 12 FT	407		
408		1.25	525.78	0.80	0.80	11.96	RIVULIS DRAGON-LINE 12 FT	408		
409		1.25	527.03	0.81	0.80	11.98	RIVULIS DRAGON-LINE 12 FT	409		
410		1.25	528.28	0.81	0.80	12.00	RIVULIS DRAGON-LINE 12 FT	410		
411		1.25	529.53	0.81	0.80	12.02	RIVULIS DRAGON-LINE 12 FT	411		
412		1.25	530.78	0.81	0.80	12.02	RIVULIS DRAGON-LINE 12 FT	412		
413		1.25	532.03	0.81	0.80	12.01	RIVULIS DRAGON-LINE 12 FT	413		
414		1.25	533.28	0.82	0.80	12.00	RIVULIS DRAGON-LINE 12 FT	414		
415		1.25	534.53	0.82	0.80	11.99	RIVULIS DRAGON-LINE 12 FT	415		
416		1.25	535.78	0.82	0.80	11.99	RIVULIS DRAGON-LINE 12 FT	416		
417		1.25	537.03	0.82	0.80	11.98	RIVULIS DRAGON-LINE 12 FT	417		
TOWER 3		179.00	539.60							
418		2.75	539.78	0.82	0.80	11.96	RIVULIS DRAGON-LINE 12 FT	418		
419		1.25	541.03	0.83	0.80	11.95	RIVULIS DRAGON-LINE 12 FT	419		
420		1.25	542.28	0.83	0.80	11.94	RIVULIS DRAGON-LINE 12 FT	420		
421		1.25	543.53	0.83	0.80	11.94	RIVULIS DRAGON-LINE 12 FT	421		
422		1.25	544.78	0.83	0.80	11.93	RIVULIS DRAGON-LINE 12 FT	422		
423		1.25	546.03	0.83	0.87	11.92	RIVULIS DRAGON-LINE 13 FT	423		
424		1.25	547.28	0.84	0.87	11.91	RIVULIS DRAGON-LINE 13 FT	424		
425		1.25	548.53	0.84	0.87	11.89	RIVULIS DRAGON-LINE 13 FT	425		
426		1.25	549.78	0.84	0.87	11.85	RIVULIS DRAGON-LINE 13 FT	426		
427		1.25	551.03	0.84	0.87	11.81	RIVULIS DRAGON-LINE 13 FT	427		
428		1.25	552.28	0.84	0.87	11.78	RIVULIS DRAGON-LINE 13 FT	428		
429		1.25	553.53	0.85	0.87	11.74	RIVULIS DRAGON-LINE 13 FT	429		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
430	1.25	554.78	0.85	0.87	11.71	17.21	RIVULIS DRAGON-LINE 13 FT	430		
431	1.25	556.03	0.85	0.87	11.67	17.18	RIVULIS DRAGON-LINE 13 FT	431		
432	1.25	557.28	0.85	0.87	11.64	17.14	RIVULIS DRAGON-LINE 13 FT	432		
433	1.25	558.53	0.85	0.87	11.60	17.32	RIVULIS DRAGON-LINE 13 FT	433		
434	1.25	559.78	0.86	0.87	11.57	17.29	RIVULIS DRAGON-LINE 13 FT	434		
435	1.25	561.03	0.86	0.87	11.54	17.25	RIVULIS DRAGON-LINE 13 FT	435		
436	1.25	562.28	0.86	0.87	11.50	17.22	RIVULIS DRAGON-LINE 13 FT	436		
437	1.25	563.53	0.86	0.87	11.47	17.19	RIVULIS DRAGON-LINE 13 FT	437		
438	1.25	564.78	0.86	0.87	11.44	17.16	RIVULIS DRAGON-LINE 13 FT	438		
439	1.25	566.03	0.87	0.87	11.41	17.12	RIVULIS DRAGON-LINE 13 FT	439		
440	1.25	567.28	0.87	0.87	11.38	17.09	RIVULIS DRAGON-LINE 13 FT	440		
441	1.25	568.53	0.87	0.87	11.35	17.28	RIVULIS DRAGON-LINE 13 FT	441		
442	1.25	569.78	0.87	0.87	11.32	17.25	RIVULIS DRAGON-LINE 13 FT	442		
443	1.25	571.03	0.87	0.87	11.29	17.22	RIVULIS DRAGON-LINE 13 FT	443		
444	1.25	572.28	0.87	0.87	11.26	17.19	RIVULIS DRAGON-LINE 13 FT	444		
445	1.25	573.53	0.88	0.87	11.23	17.16	RIVULIS DRAGON-LINE 13 FT	445		
446	1.25	574.78	0.88	0.87	11.20	17.13	RIVULIS DRAGON-LINE 13 FT	446		
447	1.25	576.03	0.88	0.87	11.18	17.10	RIVULIS DRAGON-LINE 13 FT	447		
448	1.25	577.28	0.88	0.87	11.15	17.08	RIVULIS DRAGON-LINE 13 FT	448		
449	1.25	578.53	0.88	0.87	11.12	17.05	RIVULIS DRAGON-LINE 13 FT	449		
450	1.25	579.78	0.89	0.87	11.10	17.02	RIVULIS DRAGON-LINE 13 FT	450		
451	1.25	581.03	0.89	0.87	11.07	17.00	RIVULIS DRAGON-LINE 13 FT	451		
452	1.25	582.28	0.89	0.87	11.05	17.19	RIVULIS DRAGON-LINE 13 FT	452		
453	1.25	583.53	0.89	0.87	11.02	17.16	RIVULIS DRAGON-LINE 13 FT	453		
454	1.25	584.78	0.89	0.87	11.00	17.14	RIVULIS DRAGON-LINE 13 FT	454		
455	1.25	586.03	0.90	0.87	10.98	17.12	RIVULIS DRAGON-LINE 13 FT	455		
456	1.25	587.28	0.90	0.87	10.95	17.09	RIVULIS DRAGON-LINE 13 FT	456		
457	1.25	588.53	0.90	0.87	10.93	17.07	RIVULIS DRAGON-LINE 13 FT	457		
458	1.25	589.78	0.90	0.93	10.91	17.05	RIVULIS DRAGON-LINE 14 FT	458		
459	1.25	591.03	0.90	0.93	10.89	17.03	RIVULIS DRAGON-LINE 14 FT	459		
460	1.25	592.28	0.91	0.93	10.87	17.00	RIVULIS DRAGON-LINE 14 FT	460		
461	1.25	593.53	0.91	0.93	10.85	16.98	RIVULIS DRAGON-LINE 14 FT	461		
462	1.25	594.78	0.91	0.93	10.83	16.96	RIVULIS DRAGON-LINE 14 FT	462		
463	1.25	596.03	0.91	0.93	10.81	16.94	RIVULIS DRAGON-LINE 14 FT	463		
464	1.25	597.28	0.91	0.93	10.79	16.92	RIVULIS DRAGON-LINE 14 FT	464		
465	1.25	598.53	0.92	0.93	10.77	16.91	RIVULIS DRAGON-LINE 14 FT	465		
466	1.25	599.78	0.92	0.93	10.75	16.89	RIVULIS DRAGON-LINE 14 FT	466		
467	1.25	601.03	0.92	0.93	10.74	16.87	RIVULIS DRAGON-LINE 14 FT	467		
468	1.25	602.28	0.92	0.93	10.72	17.07	RIVULIS DRAGON-LINE 14 FT	468		
469	1.25	603.53	0.92	0.93	10.70	17.05	RIVULIS DRAGON-LINE 14 FT	469		
470	1.25	604.78	0.92	0.93	10.69	17.03	RIVULIS DRAGON-LINE 14 FT	470		
471	1.25	606.03	0.93	0.93	10.67	17.02	RIVULIS DRAGON-LINE 14 FT	471		
472	1.25	607.28	0.93	0.93	10.66	17.00	RIVULIS DRAGON-LINE 14 FT	472		
473	1.25	608.53	0.93	0.93	10.64	16.99	RIVULIS DRAGON-LINE 14 FT	473		
474	1.25	609.78	0.93	0.93	10.63	16.97	RIVULIS DRAGON-LINE 14 FT	474		
475	1.25	611.03	0.93	0.93	10.62	16.96	RIVULIS DRAGON-LINE 14 FT	475		
476	1.25	612.28	0.94	0.93	10.60	16.95	RIVULIS DRAGON-LINE 14 FT	476		
477	1.25	613.53	0.94	0.93	10.59	16.93	RIVULIS DRAGON-LINE 14 FT	477		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
478	1.25	614.78	0.94	0.93	10.58	16.92	RIVULIS DRAGON-LINE 14 FT	478		
479	1.25	616.03	0.94	0.93	10.57	16.91	RIVULIS DRAGON-LINE 14 FT	479		
480	1.25	617.28	0.94	0.93	10.56	16.90	RIVULIS DRAGON-LINE 14 FT	480		
481	1.25	618.53	0.95	0.93	10.55	16.89	RIVULIS DRAGON-LINE 14 FT	481		
482	1.25	619.78	0.95	0.93	10.54	16.88	RIVULIS DRAGON-LINE 14 FT	482		
483	1.25	621.03	0.95	0.93	10.53	16.87	RIVULIS DRAGON-LINE 14 FT	483		
484	1.25	622.28	0.95	0.93	10.52	16.86	RIVULIS DRAGON-LINE 14 FT	484		
485	1.25	623.53	0.95	0.93	10.51	16.85	RIVULIS DRAGON-LINE 14 FT	485		
486	1.25	624.78	0.96	0.93	10.50	16.84	RIVULIS DRAGON-LINE 14 FT	486		
487	1.25	626.03	0.96	0.93	10.49	16.83	RIVULIS DRAGON-LINE 14 FT	487		
488	1.25	627.28	0.96	0.93	10.49	16.82	RIVULIS DRAGON-LINE 14 FT	488		
489	1.25	628.53	0.96	0.93	10.48	16.82	RIVULIS DRAGON-LINE 14 FT	489		
490	1.25	629.78	0.96	0.93	10.47	16.81	RIVULIS DRAGON-LINE 14 FT	490		
491	1.25	631.03	0.96	0.93	10.47	16.80	RIVULIS DRAGON-LINE 14 FT	491		
492	1.25	632.28	0.97	0.93	10.46	16.80	RIVULIS DRAGON-LINE 14 FT	492		
493	1.25	633.53	0.97	1.00	10.46	16.79	RIVULIS DRAGON-LINE 15 FT	493		
494	1.25	634.78	0.97	1.00	10.45	16.79	RIVULIS DRAGON-LINE 15 FT	494		
495	1.25	636.03	0.97	1.00	10.45	16.78	RIVULIS DRAGON-LINE 15 FT	495		
496	1.25	637.28	0.97	1.00	10.45	16.78	RIVULIS DRAGON-LINE 15 FT	496		
497	1.25	638.53	0.98	1.00	10.45	16.78	RIVULIS DRAGON-LINE 15 FT	497		
498	1.25	639.78	0.98	1.00	10.44	16.78	RIVULIS DRAGON-LINE 15 FT	498		
499	1.25	641.03	0.98	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	499		
500	1.25	642.28	0.98	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	500		
501	1.25	643.53	0.98	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	501		
502	1.25	644.78	0.99	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	502		
503	1.25	646.03	0.99	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	503		
504	1.25	647.28	0.99	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	504		
505	1.25	648.53	0.99	1.00	10.44	16.77	RIVULIS DRAGON-LINE 15 FT	505		
506	1.25	649.78	0.99	1.00	10.45	16.77	RIVULIS DRAGON-LINE 15 FT	506		
507	1.25	651.03	1.00	1.00	10.45	16.77	RIVULIS DRAGON-LINE 15 FT	507		
508	1.25	652.28	1.00	1.00	10.45	16.78	RIVULIS DRAGON-LINE 15 FT	508		
509	1.25	653.53	1.00	1.00	10.45	16.78	RIVULIS DRAGON-LINE 15 FT	509		
510	1.25	654.78	1.00	1.00	10.46	16.78	RIVULIS DRAGON-LINE 15 FT	510		
511	1.25	656.03	1.00	1.00	10.46	16.57	RIVULIS DRAGON-LINE 15 FT	511		
512	1.25	657.28	1.00	1.00	10.47	16.58	RIVULIS DRAGON-LINE 15 FT	512		
513	1.25	658.53	1.01	1.00	10.47	16.58	RIVULIS DRAGON-LINE 15 FT	513		
514	1.25	659.78	1.01	1.00	10.48	16.59	RIVULIS DRAGON-LINE 15 FT	514		
515	1.25	661.03	1.01	1.00	10.49	16.59	RIVULIS DRAGON-LINE 15 FT	515		
516	1.25	662.28	1.01	1.00	10.49	16.60	RIVULIS DRAGON-LINE 15 FT	516		
517	1.25	663.53	1.01	1.00	10.50	16.60	RIVULIS DRAGON-LINE 15 FT	517		
518	1.25	664.78	1.02	1.00	10.51	16.61	RIVULIS DRAGON-LINE 15 FT	518		
519	1.25	666.03	1.02	1.00	10.52	16.62	RIVULIS DRAGON-LINE 15 FT	519		
520	1.25	667.28	1.02	1.00	10.53	16.63	RIVULIS DRAGON-LINE 15 FT	520		
521	1.25	668.53	1.02	1.00	10.53	16.64	RIVULIS DRAGON-LINE 15 FT	521		
522	1.25	669.78	1.02	1.00	10.54	16.65	RIVULIS DRAGON-LINE 15 FT	522		
523	1.25	671.03	1.03	1.00	10.55	16.66	RIVULIS DRAGON-LINE 15 FT	523		
524	1.25	672.28	1.03	1.00	10.57	16.67	RIVULIS DRAGON-LINE 15 FT	524		
525	1.25	673.53	1.03	1.00	10.58	16.68	RIVULIS DRAGON-LINE 15 FT	525		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
526	1.25	674.78	1.03	1.00	10.59	16.47	RIVULIS DRAGON-LINE 15 FT	526		
527	1.25	676.03	1.03	1.00	10.60	16.48	RIVULIS DRAGON-LINE 15 FT	527		
528	1.25	677.28	1.04	1.07	10.61	16.50	RIVULIS DRAGON-LINE 16 FT	528		
529	1.25	678.53	1.04	1.07	10.63	16.51	RIVULIS DRAGON-LINE 16 FT	529		
530	1.25	679.78	1.04	1.07	10.64	16.52	RIVULIS DRAGON-LINE 16 FT	530		
531	1.25	681.03	1.04	1.07	10.66	16.54	RIVULIS DRAGON-LINE 16 FT	531		
532	1.25	682.28	1.04	1.07	10.67	16.55	RIVULIS DRAGON-LINE 16 FT	532		
533	1.25	683.53	1.05	1.07	10.69	16.56	RIVULIS DRAGON-LINE 16 FT	533		
534	1.25	684.78	1.05	1.07	10.70	16.58	RIVULIS DRAGON-LINE 16 FT	534		
535	1.25	686.03	1.05	1.07	10.72	16.60	RIVULIS DRAGON-LINE 16 FT	535		
536	1.25	687.28	1.05	1.07	10.73	16.61	RIVULIS DRAGON-LINE 16 FT	536		
537	1.25	688.53	1.05	1.07	10.75	16.41	RIVULIS DRAGON-LINE 16 FT	537		
538	1.25	689.78	1.05	1.07	10.77	16.43	RIVULIS DRAGON-LINE 16 FT	538		
539	1.25	691.03	1.06	1.07	10.79	16.45	RIVULIS DRAGON-LINE 16 FT	539		
540	1.25	692.28	1.06	1.07	10.81	16.47	RIVULIS DRAGON-LINE 16 FT	540		
541	1.25	693.53	1.06	1.07	10.83	16.48	RIVULIS DRAGON-LINE 16 FT	541		
542	1.25	694.78	1.06	1.07	10.85	16.50	RIVULIS DRAGON-LINE 16 FT	542		
543	1.25	696.03	1.06	1.07	10.87	16.52	RIVULIS DRAGON-LINE 16 FT	543		
544	1.25	697.28	1.07	1.07	10.89	16.54	RIVULIS DRAGON-LINE 16 FT	544		
545	1.25	698.53	1.07	1.07	10.91	16.56	RIVULIS DRAGON-LINE 16 FT	545		
546	1.25	699.78	1.07	1.07	10.93	16.37	RIVULIS DRAGON-LINE 16 FT	546		
547	1.25	701.03	1.07	1.07	10.95	16.39	RIVULIS DRAGON-LINE 16 FT	547		
548	1.25	702.28	1.07	1.07	10.97	16.41	RIVULIS DRAGON-LINE 16 FT	548		
549	1.25	703.53	1.08	1.07	11.00	16.44	RIVULIS DRAGON-LINE 16 FT	549		
550	1.25	704.78	1.08	1.07	11.02	16.46	RIVULIS DRAGON-LINE 16 FT	550		
551	1.25	706.03	1.08	1.07	11.05	16.48	RIVULIS DRAGON-LINE 16 FT	551		
552	1.25	707.28	1.08	1.07	11.07	16.51	RIVULIS DRAGON-LINE 16 FT	552		
553	1.25	708.53	1.08	1.07	11.10	16.53	RIVULIS DRAGON-LINE 16 FT	553		
554	1.25	709.78	1.09	1.07	11.10	16.32	RIVULIS DRAGON-LINE 16 FT	554		
555	1.25	711.03	1.09	1.07	11.09	16.31	RIVULIS DRAGON-LINE 16 FT	555		
556	1.25	712.28	1.09	1.07	11.09	16.31	RIVULIS DRAGON-LINE 16 FT	556		
557	1.25	713.53	1.09	1.07	11.08	16.30	RIVULIS DRAGON-LINE 16 FT	557		
558	1.25	714.78	1.09	1.07	11.08	16.30	RIVULIS DRAGON-LINE 16 FT	558		
559	1.25	716.03	1.10	1.07	11.07	16.29	RIVULIS DRAGON-LINE 16 FT	559		
TOWER 4	179.00	718.60								
560	2.75	718.78	1.10	1.07	11.06	16.28	RIVULIS DRAGON-LINE 16 FT	560		
561	1.25	720.03	1.10	1.13	11.06	16.27	RIVULIS DRAGON-LINE 17 FT	561		
562	1.25	721.28	1.10	1.13	11.05	16.27	RIVULIS DRAGON-LINE 17 FT	562		
563	1.25	722.53	1.10	1.13	11.05	16.26	RIVULIS DRAGON-LINE 17 FT	563		
564	1.25	723.78	1.11	1.13	11.05	16.26	RIVULIS DRAGON-LINE 17 FT	564		
565	1.25	725.03	1.11	1.13	11.04	16.25	RIVULIS DRAGON-LINE 17 FT	565		
566	1.25	726.28	1.11	1.13	11.02	16.45	RIVULIS DRAGON-LINE 17 FT	566		
567	1.25	727.53	1.11	1.13	10.98	16.41	RIVULIS DRAGON-LINE 17 FT	567		
568	1.25	728.78	1.11	1.13	10.94	16.37	RIVULIS DRAGON-LINE 17 FT	568		
569	1.25	730.03	1.12	1.13	10.91	16.33	RIVULIS DRAGON-LINE 17 FT	569		
570	1.25	731.28	1.12	1.13	10.87	16.29	RIVULIS DRAGON-LINE 17 FT	570		
571	1.25	732.53	1.12	1.13	10.83	16.26	RIVULIS DRAGON-LINE 17 FT	571		
572	1.25	733.78	1.12	1.13	10.80	16.22	RIVULIS DRAGON-LINE 17 FT	572		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
573	1.25	735.03	1.12	1.13	10.76	16.40	RIVULIS DRAGON-LINE 17 FT	573		
574	1.25	736.28	1.13	1.13	10.73	16.37	RIVULIS DRAGON-LINE 17 FT	574		
575	1.25	737.53	1.13	1.13	10.70	16.33	RIVULIS DRAGON-LINE 17 FT	575		
576	1.25	738.78	1.13	1.13	10.66	16.30	RIVULIS DRAGON-LINE 17 FT	576		
577	1.25	740.03	1.13	1.13	10.63	16.27	RIVULIS DRAGON-LINE 17 FT	577		
578	1.25	741.28	1.13	1.13	10.60	16.24	RIVULIS DRAGON-LINE 17 FT	578		
579	1.25	742.53	1.14	1.13	10.57	16.21	RIVULIS DRAGON-LINE 17 FT	579		
580	1.25	743.78	1.14	1.13	10.54	16.39	RIVULIS DRAGON-LINE 17 FT	580		
581	1.25	745.03	1.14	1.13	10.51	16.36	RIVULIS DRAGON-LINE 17 FT	581		
582	1.25	746.28	1.14	1.13	10.48	16.33	RIVULIS DRAGON-LINE 17 FT	582		
583	1.25	747.53	1.14	1.13	10.45	16.30	RIVULIS DRAGON-LINE 17 FT	583		
584	1.25	748.78	1.14	1.13	10.43	16.27	RIVULIS DRAGON-LINE 17 FT	584		
585	1.25	750.03	1.15	1.13	10.40	16.25	RIVULIS DRAGON-LINE 17 FT	585		
586	1.25	751.28	1.15	1.13	10.37	16.22	RIVULIS DRAGON-LINE 17 FT	586		
587	1.25	752.53	1.15	1.13	10.35	16.19	RIVULIS DRAGON-LINE 17 FT	587		
588	1.25	753.78	1.15	1.13	10.32	16.17	RIVULIS DRAGON-LINE 17 FT	588		
589	1.25	755.03	1.15	1.13	10.30	16.14	RIVULIS DRAGON-LINE 17 FT	589		
590	1.25	756.28	1.16	1.13	10.28	16.33	RIVULIS DRAGON-LINE 17 FT	590		
591	1.25	757.53	1.16	1.13	10.25	16.31	RIVULIS DRAGON-LINE 17 FT	591		
592	1.25	758.78	1.16	1.13	10.23	16.29	RIVULIS DRAGON-LINE 17 FT	592		
593	1.25	760.03	1.16	1.13	10.21	16.26	RIVULIS DRAGON-LINE 17 FT	593		
594	1.25	761.28	1.16	1.13	10.19	16.24	RIVULIS DRAGON-LINE 17 FT	594		
595	1.25	762.53	1.17	1.13	10.17	16.22	RIVULIS DRAGON-LINE 17 FT	595		
596	1.25	763.78	1.17	1.20	10.15	16.20	RIVULIS DRAGON-LINE 18 FT	596		
597	1.25	765.03	1.17	1.20	10.13	16.18	RIVULIS DRAGON-LINE 18 FT	597		
598	1.25	766.28	1.17	1.20	10.11	16.16	RIVULIS DRAGON-LINE 18 FT	598		
599	1.25	767.53	1.17	1.20	10.09	16.14	RIVULIS DRAGON-LINE 18 FT	599		
600	1.25	768.78	1.18	1.20	10.07	16.12	RIVULIS DRAGON-LINE 18 FT	600		
601	1.25	770.03	1.18	1.20	10.06	16.11	RIVULIS DRAGON-LINE 18 FT	601		
602	1.25	771.28	1.18	1.20	10.04	16.09	RIVULIS DRAGON-LINE 18 FT	602		
603	1.25	772.53	1.18	1.20	10.03	16.07	RIVULIS DRAGON-LINE 18 FT	603		
604	1.25	773.78	1.18	1.20	10.01	16.27	RIVULIS DRAGON-LINE 18 FT	604		
605	1.25	775.03	1.18	1.20	10.00	16.26	RIVULIS DRAGON-LINE 18 FT	605		
606	1.25	776.28	1.19	1.20	9.98	16.24	RIVULIS DRAGON-LINE 18 FT	606		
607	1.25	777.53	1.19	1.20	9.97	16.23	RIVULIS DRAGON-LINE 18 FT	607		
608	1.25	778.78	1.19	1.20	9.96	16.22	RIVULIS DRAGON-LINE 18 FT	608		
609	1.25	780.03	1.19	1.20	9.95	16.21	RIVULIS DRAGON-LINE 18 FT	609		
610	1.25	781.28	1.19	1.20	9.93	16.19	RIVULIS DRAGON-LINE 18 FT	610		
611	1.25	782.53	1.20	1.20	9.92	16.18	RIVULIS DRAGON-LINE 18 FT	611		
612	1.25	783.78	1.20	1.20	9.91	16.17	RIVULIS DRAGON-LINE 18 FT	612		
613	1.25	785.03	1.20	1.20	9.91	16.16	RIVULIS DRAGON-LINE 18 FT	613		
614	1.25	786.28	1.20	1.20	9.90	16.15	RIVULIS DRAGON-LINE 18 FT	614		
615	1.25	787.53	1.20	1.20	9.89	16.14	RIVULIS DRAGON-LINE 18 FT	615		
616	1.25	788.78	1.21	1.20	9.88	16.14	RIVULIS DRAGON-LINE 18 FT	616		
617	1.25	790.03	1.21	1.20	9.87	16.13	RIVULIS DRAGON-LINE 18 FT	617		
618	1.25	791.28	1.21	1.20	9.87	16.12	RIVULIS DRAGON-LINE 18 FT	618		
619	1.25	792.53	1.21	1.20	9.86	16.12	RIVULIS DRAGON-LINE 18 FT	619		
620	1.25	793.78	1.21	1.20	9.86	16.11	RIVULIS DRAGON-LINE 18 FT	620		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
621		1.25	795.03	1.22	1.20	9.85	RIVULIS DRAGON-LINE 18 FT	621		
622		1.25	796.28	1.22	1.20	9.85	RIVULIS DRAGON-LINE 18 FT	622		
623		1.25	797.53	1.22	1.20	9.85	RIVULIS DRAGON-LINE 18 FT	623		
624		1.25	798.78	1.22	1.20	9.85	RIVULIS DRAGON-LINE 18 FT	624		
625		1.25	800.03	1.22	1.20	9.84	RIVULIS DRAGON-LINE 18 FT	625		
626		1.25	801.28	1.23	1.20	9.84	RIVULIS DRAGON-LINE 18 FT	626		
627		1.25	802.53	1.23	1.20	9.84	RIVULIS DRAGON-LINE 18 FT	627		
628		1.25	803.78	1.23	1.20	9.84	RIVULIS DRAGON-LINE 18 FT	628		
629		1.25	805.03	1.23	1.20	9.84	RIVULIS DRAGON-LINE 18 FT	629		
630		1.25	806.28	1.23	1.20	9.85	RIVULIS DRAGON-LINE 18 FT	630		
631		1.25	807.53	1.23	1.27	9.85	RIVULIS DRAGON-LINE 19 FT	631		
632		1.25	808.78	1.24	1.27	9.85	RIVULIS DRAGON-LINE 19 FT	632		
633		1.25	810.03	1.24	1.27	9.85	RIVULIS DRAGON-LINE 19 FT	633		
634		1.25	811.28	1.24	1.27	9.86	RIVULIS DRAGON-LINE 19 FT	634		
635		1.25	812.53	1.24	1.27	9.86	RIVULIS DRAGON-LINE 19 FT	635		
636		1.25	813.78	1.24	1.27	9.87	RIVULIS DRAGON-LINE 19 FT	636		
637		1.25	815.03	1.25	1.27	9.88	RIVULIS DRAGON-LINE 19 FT	637		
638		1.25	816.28	1.25	1.27	9.88	RIVULIS DRAGON-LINE 19 FT	638		
639		1.25	817.53	1.25	1.27	9.89	RIVULIS DRAGON-LINE 19 FT	639		
640		1.25	818.78	1.25	1.27	9.90	RIVULIS DRAGON-LINE 19 FT	640		
641		1.25	820.03	1.25	1.27	9.91	RIVULIS DRAGON-LINE 19 FT	641		
642		1.25	821.28	1.26	1.27	9.91	RIVULIS DRAGON-LINE 19 FT	642		
643		1.25	822.53	1.26	1.27	9.92	RIVULIS DRAGON-LINE 19 FT	643		
644		1.25	823.78	1.26	1.27	9.93	RIVULIS DRAGON-LINE 19 FT	644		
645		1.25	825.03	1.26	1.27	9.95	RIVULIS DRAGON-LINE 19 FT	645		
646		1.25	826.28	1.26	1.27	9.96	RIVULIS DRAGON-LINE 19 FT	646		
647		1.25	827.53	1.27	1.27	9.97	RIVULIS DRAGON-LINE 19 FT	647		
648		1.25	828.78	1.27	1.27	9.98	RIVULIS DRAGON-LINE 19 FT	648		
649		1.25	830.03	1.27	1.27	10.00	RIVULIS DRAGON-LINE 19 FT	649		
650		1.25	831.28	1.27	1.27	10.01	RIVULIS DRAGON-LINE 19 FT	650		
651		1.25	832.53	1.27	1.27	10.03	RIVULIS DRAGON-LINE 19 FT	651		
652		1.25	833.78	1.27	1.27	10.04	RIVULIS DRAGON-LINE 19 FT	652		
653		1.25	835.03	1.28	1.27	10.06	RIVULIS DRAGON-LINE 19 FT	653		
654		1.25	836.28	1.28	1.27	10.07	RIVULIS DRAGON-LINE 19 FT	654		
655		1.25	837.53	1.28	1.27	10.09	RIVULIS DRAGON-LINE 19 FT	655		
656		1.25	838.78	1.28	1.27	10.11	RIVULIS DRAGON-LINE 19 FT	656		
657		1.25	840.03	1.28	1.27	10.13	RIVULIS DRAGON-LINE 19 FT	657		
658		1.25	841.28	1.29	1.27	10.15	RIVULIS DRAGON-LINE 19 FT	658		
659		1.25	842.53	1.29	1.27	10.17	RIVULIS DRAGON-LINE 19 FT	659		
660		1.25	843.78	1.29	1.27	10.19	RIVULIS DRAGON-LINE 19 FT	660		
661		1.25	845.03	1.29	1.27	10.21	RIVULIS DRAGON-LINE 19 FT	661		
662		1.25	846.28	1.29	1.27	10.23	RIVULIS DRAGON-LINE 19 FT	662		
663		1.25	847.53	1.30	1.27	10.25	RIVULIS DRAGON-LINE 19 FT	663		
664		1.25	848.78	1.30	1.27	10.28	RIVULIS DRAGON-LINE 19 FT	664		
665		1.25	850.03	1.30	1.27	10.30	RIVULIS DRAGON-LINE 19 FT	665		
666		1.25	851.28	1.30	1.33	10.32	RIVULIS DRAGON-LINE 20 FT	666		
667		1.25	852.53	1.30	1.33	10.35	RIVULIS DRAGON-LINE 20 FT	667		
668		1.25	853.78	1.31	1.33	10.37	RIVULIS DRAGON-LINE 20 FT	668		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
669		855.03	1.31	1.33	10.40	15.97	RIVULIS DRAGON-LINE 20 FT	669		
670		856.28	1.31	1.33	10.43	16.00	RIVULIS DRAGON-LINE 20 FT	670		
671		857.53	1.31	1.33	10.45	16.02	RIVULIS DRAGON-LINE 20 FT	671		
672		858.78	1.31	1.33	10.48	15.84	RIVULIS DRAGON-LINE 20 FT	672		
673		860.03	1.31	1.33	10.51	15.87	RIVULIS DRAGON-LINE 20 FT	673		
674		861.28	1.32	1.33	10.54	15.89	RIVULIS DRAGON-LINE 20 FT	674		
675		862.53	1.32	1.33	10.57	15.92	RIVULIS DRAGON-LINE 20 FT	675		
676		863.78	1.32	1.33	10.60	15.95	RIVULIS DRAGON-LINE 20 FT	676		
677		865.03	1.32	1.33	10.63	15.98	RIVULIS DRAGON-LINE 20 FT	677		
678		866.28	1.32	1.33	10.66	16.01	RIVULIS DRAGON-LINE 20 FT	678		
679		867.53	1.33	1.33	10.68	15.82	RIVULIS DRAGON-LINE 20 FT	679		
680		868.78	1.33	1.33	10.68	15.81	RIVULIS DRAGON-LINE 20 FT	680		
681		870.03	1.33	1.33	10.68	15.81	RIVULIS DRAGON-LINE 20 FT	681		
682		871.28	1.33	1.33	10.68	15.81	RIVULIS DRAGON-LINE 20 FT	682		
683		872.53	1.33	1.33	10.67	15.81	RIVULIS DRAGON-LINE 20 FT	683		
TOWER 5	157.00	875.60								
684		875.78	1.34	1.33	10.67	15.80	RIVULIS DRAGON-LINE 20 FT	684		
685		877.03	1.34	1.33	10.67	15.80	RIVULIS DRAGON-LINE 20 FT	685		
686		878.28	1.34	1.33	10.67	15.79	RIVULIS DRAGON-LINE 20 FT	686		
687		879.53	1.34	1.33	10.66	15.79	RIVULIS DRAGON-LINE 20 FT	687		
688		880.78	1.35	1.33	10.66	15.79	RIVULIS DRAGON-LINE 20 FT	688		
689		882.03	1.35	1.33	10.66	15.79	RIVULIS DRAGON-LINE 20 FT	689		
690		883.28	1.35	1.33	10.64	15.98	RIVULIS DRAGON-LINE 20 FT	690		
691		884.53	1.35	1.33	10.61	15.95	RIVULIS DRAGON-LINE 20 FT	691		
692		885.78	1.35	1.33	10.57	15.91	RIVULIS DRAGON-LINE 20 FT	692		
693		887.03	1.36	1.33	10.54	15.88	RIVULIS DRAGON-LINE 20 FT	693		
694		888.28	1.36	1.33	10.50	15.84	RIVULIS DRAGON-LINE 20 FT	694		
695		889.53	1.36	1.33	10.47	15.81	RIVULIS DRAGON-LINE 20 FT	695		
696		890.78	1.36	1.33	10.44	15.77	RIVULIS DRAGON-LINE 20 FT	696		
697		892.03	1.36	1.33	10.41	15.96	RIVULIS DRAGON-LINE 20 FT	697		
698		893.28	1.37	1.33	10.38	15.92	RIVULIS DRAGON-LINE 20 FT	698		
699		894.53	1.37	1.40	10.34	15.89	RIVULIS DRAGON-LINE 21 FT	699		
700		895.78	1.37	1.40	10.31	15.86	RIVULIS DRAGON-LINE 21 FT	700		
701		897.03	1.37	1.40	10.29	15.83	RIVULIS DRAGON-LINE 21 FT	701		
702		898.28	1.37	1.40	10.26	15.80	RIVULIS DRAGON-LINE 21 FT	702		
703		899.53	1.38	1.40	10.23	15.77	RIVULIS DRAGON-LINE 21 FT	703		
704		900.78	1.38	1.40	10.20	15.96	RIVULIS DRAGON-LINE 21 FT	704		
705		902.03	1.38	1.40	10.17	15.93	RIVULIS DRAGON-LINE 21 FT	705		
706		903.28	1.38	1.40	10.15	15.91	RIVULIS DRAGON-LINE 21 FT	706		
707		904.53	1.38	1.40	10.12	15.88	RIVULIS DRAGON-LINE 21 FT	707		
708		905.78	1.38	1.40	10.10	15.85	RIVULIS DRAGON-LINE 21 FT	708		
709		907.03	1.39	1.40	10.07	15.83	RIVULIS DRAGON-LINE 21 FT	709		
710		908.28	1.39	1.40	10.05	15.80	RIVULIS DRAGON-LINE 21 FT	710		
711		909.53	1.39	1.40	10.03	15.78	RIVULIS DRAGON-LINE 21 FT	711		
712		910.78	1.39	1.40	10.00	15.76	RIVULIS DRAGON-LINE 21 FT	712		
713		912.03	1.39	1.40	9.98	15.74	RIVULIS DRAGON-LINE 21 FT	713		
714		913.28	1.40	1.40	9.96	15.93	RIVULIS DRAGON-LINE 21 FT	714		
715		914.53	1.40	1.40	9.94	15.91	RIVULIS DRAGON-LINE 21 FT	715		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
716	1.25	915.78	1.40	1.40	9.92	15.89	RIVULIS DRAGON-LINE 21 FT	716		
717	1.25	917.03	1.40	1.40	9.90	15.87	RIVULIS DRAGON-LINE 21 FT	717		
718	1.25	918.28	1.40	1.40	9.88	15.85	RIVULIS DRAGON-LINE 21 FT	718		
719	1.25	919.53	1.41	1.40	9.87	15.83	RIVULIS DRAGON-LINE 21 FT	719		
720	1.25	920.78	1.41	1.40	9.85	15.81	RIVULIS DRAGON-LINE 21 FT	720		
721	1.25	922.03	1.41	1.40	9.83	15.79	RIVULIS DRAGON-LINE 21 FT	721		
722	1.25	923.28	1.41	1.40	9.82	15.78	RIVULIS DRAGON-LINE 21 FT	722		
723	1.25	924.53	1.41	1.40	9.80	15.76	RIVULIS DRAGON-LINE 21 FT	723		
724	1.25	925.78	1.42	1.40	9.79	15.74	RIVULIS DRAGON-LINE 21 FT	724		
725	1.25	927.03	1.42	1.40	9.77	15.73	RIVULIS DRAGON-LINE 21 FT	725		
726	1.25	928.28	1.42	1.40	9.76	15.71	RIVULIS DRAGON-LINE 21 FT	726		
727	1.25	929.53	1.42	1.40	9.74	15.70	RIVULIS DRAGON-LINE 21 FT	727		
728	1.25	930.78	1.42	1.40	9.73	15.90	RIVULIS DRAGON-LINE 21 FT	728		
729	1.25	932.03	1.43	1.40	9.72	15.89	RIVULIS DRAGON-LINE 21 FT	729		
730	1.25	933.28	1.43	1.40	9.71	15.88	RIVULIS DRAGON-LINE 21 FT	730		
731	1.25	934.53	1.43	1.40	9.70	15.87	RIVULIS DRAGON-LINE 21 FT	731		
732	1.25	935.78	1.43	1.40	9.69	15.86	RIVULIS DRAGON-LINE 21 FT	732		
733	1.25	937.03	1.43	1.40	9.68	15.85	RIVULIS DRAGON-LINE 21 FT	733		
734	1.25	938.28	1.43	1.47	9.67	15.84	RIVULIS DRAGON-LINE 22 FT	734		
735	1.25	939.53	1.44	1.47	9.66	15.83	RIVULIS DRAGON-LINE 22 FT	735		
736	1.25	940.78	1.44	1.47	9.66	15.82	RIVULIS DRAGON-LINE 22 FT	736		
737	1.25	942.03	1.44	1.47	9.65	15.81	RIVULIS DRAGON-LINE 22 FT	737		
738	1.25	943.28	1.44	1.47	9.64	15.80	RIVULIS DRAGON-LINE 22 FT	738		
739	1.25	944.53	1.44	1.47	9.64	15.80	RIVULIS DRAGON-LINE 22 FT	739		
740	1.25	945.78	1.45	1.47	9.63	15.79	RIVULIS DRAGON-LINE 22 FT	740		
741	1.25	947.03	1.45	1.47	9.63	15.79	RIVULIS DRAGON-LINE 22 FT	741		
742	1.25	948.28	1.45	1.47	9.62	15.78	RIVULIS DRAGON-LINE 22 FT	742		
743	1.25	949.53	1.45	1.47	9.62	15.78	RIVULIS DRAGON-LINE 22 FT	743		
744	1.25	950.78	1.45	1.47	9.62	15.78	RIVULIS DRAGON-LINE 22 FT	744		
745	1.25	952.03	1.46	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	745		
746	1.25	953.28	1.46	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	746		
747	1.25	954.53	1.46	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	747		
748	1.25	955.78	1.46	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	748		
749	1.25	957.03	1.46	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	749		
750	1.25	958.28	1.47	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	750		
751	1.25	959.53	1.47	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	751		
752	1.25	960.78	1.47	1.47	9.62	15.77	RIVULIS DRAGON-LINE 22 FT	752		
753	1.25	962.03	1.47	1.47	9.63	15.78	RIVULIS DRAGON-LINE 22 FT	753		
754	1.25	963.28	1.47	1.47	9.63	15.78	RIVULIS DRAGON-LINE 22 FT	754		
755	1.25	964.53	1.47	1.47	9.63	15.78	RIVULIS DRAGON-LINE 22 FT	755		
756	1.25	965.78	1.48	1.47	9.64	15.79	RIVULIS DRAGON-LINE 22 FT	756		
757	1.25	967.03	1.48	1.47	9.65	15.79	RIVULIS DRAGON-LINE 22 FT	757		
758	1.25	968.28	1.48	1.47	9.65	15.80	RIVULIS DRAGON-LINE 22 FT	758		
759	1.25	969.53	1.48	1.47	9.66	15.80	RIVULIS DRAGON-LINE 22 FT	759		
760	1.25	970.78	1.48	1.47	9.67	15.81	RIVULIS DRAGON-LINE 22 FT	760		
761	1.25	972.03	1.49	1.47	9.67	15.82	RIVULIS DRAGON-LINE 22 FT	761		
762	1.25	973.28	1.49	1.47	9.68	15.82	RIVULIS DRAGON-LINE 22 FT	762		
763	1.25	974.53	1.49	1.47	9.69	15.83	RIVULIS DRAGON-LINE 22 FT	763		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
764		1.25	975.78	1.49	1.47	9.70	RIVULIS DRAGON-LINE 22 FT	764		
765		1.25	977.03	1.49	1.47	9.71	RIVULIS DRAGON-LINE 22 FT	765		
766		1.25	978.28	1.50	1.47	9.72	RIVULIS DRAGON-LINE 22 FT	766		
767		1.25	979.53	1.50	1.47	9.74	RIVULIS DRAGON-LINE 22 FT	767		
768		1.25	980.78	1.50	1.47	9.75	RIVULIS DRAGON-LINE 22 FT	768		
769		1.25	982.03	1.50	1.53	9.76	RIVULIS DRAGON-LINE 23 FT	769		
770		1.25	983.28	1.50	1.53	9.78	RIVULIS DRAGON-LINE 23 FT	770		
771		1.25	984.53	1.51	1.53	9.79	RIVULIS DRAGON-LINE 23 FT	771		
772		1.25	985.78	1.51	1.53	9.81	RIVULIS DRAGON-LINE 23 FT	772		
773		1.25	987.03	1.51	1.53	9.82	RIVULIS DRAGON-LINE 23 FT	773		
774		1.25	988.28	1.51	1.53	9.84	RIVULIS DRAGON-LINE 23 FT	774		
775		1.25	989.53	1.51	1.53	9.85	RIVULIS DRAGON-LINE 23 FT	775		
776		1.25	990.78	1.51	1.53	9.87	RIVULIS DRAGON-LINE 23 FT	776		
777		1.25	992.03	1.52	1.53	9.89	RIVULIS DRAGON-LINE 23 FT	777		
778		1.25	993.28	1.52	1.53	9.91	RIVULIS DRAGON-LINE 23 FT	778		
779		1.25	994.53	1.52	1.53	9.93	RIVULIS DRAGON-LINE 23 FT	779		
780		1.25	995.78	1.52	1.53	9.95	RIVULIS DRAGON-LINE 23 FT	780		
781		1.25	997.03	1.52	1.53	9.97	RIVULIS DRAGON-LINE 23 FT	781		
782		1.25	998.28	1.53	1.53	9.99	RIVULIS DRAGON-LINE 23 FT	782		
783		1.25	999.53	1.53	1.53	10.01	RIVULIS DRAGON-LINE 23 FT	783		
784		1.25	1000.78	1.53	1.53	10.03	RIVULIS DRAGON-LINE 23 FT	784		
785		1.25	1002.03	1.53	1.53	10.06	RIVULIS DRAGON-LINE 23 FT	785		
786		1.25	1003.28	1.53	1.53	10.08	RIVULIS DRAGON-LINE 23 FT	786		
787		1.25	1004.53	1.54	1.53	10.11	RIVULIS DRAGON-LINE 23 FT	787		
788		1.25	1005.78	1.54	1.53	10.13	RIVULIS DRAGON-LINE 23 FT	788		
789		1.25	1007.03	1.54	1.53	10.16	RIVULIS DRAGON-LINE 23 FT	789		
790		1.25	1008.28	1.54	1.53	10.18	RIVULIS DRAGON-LINE 23 FT	790		
791		1.25	1009.53	1.54	1.53	10.21	RIVULIS DRAGON-LINE 23 FT	791		
792		1.25	1010.78	1.55	1.53	10.24	RIVULIS DRAGON-LINE 23 FT	792		
793		1.25	1012.03	1.55	1.53	10.27	RIVULIS DRAGON-LINE 23 FT	793		
794		1.25	1013.28	1.55	1.53	10.29	RIVULIS DRAGON-LINE 23 FT	794		
795		1.25	1014.53	1.55	1.53	10.32	RIVULIS DRAGON-LINE 23 FT	795		
796		1.25	1015.78	1.55	1.53	10.35	RIVULIS DRAGON-LINE 23 FT	796		
797		1.25	1017.03	1.56	1.53	10.38	RIVULIS DRAGON-LINE 23 FT	797		
798		1.25	1018.28	1.56	1.53	10.42	RIVULIS DRAGON-LINE 23 FT	798		
799		1.25	1019.53	1.56	1.53	10.45	RIVULIS DRAGON-LINE 23 FT	799		
800		1.25	1020.78	1.56	1.53	10.48	RIVULIS DRAGON-LINE 23 FT	800		
801		1.25	1022.03	1.56	1.53	10.51	RIVULIS DRAGON-LINE 23 FT	801		
802		1.25	1023.28	1.56	1.53	10.55	RIVULIS DRAGON-LINE 23 FT	802		
803		1.25	1024.53	1.57	1.53	10.57	RIVULIS DRAGON-LINE 23 FT	803		
804		1.25	1025.78	1.57	1.60	10.57	RIVULIS DRAGON-LINE 24 FT	804		
805		1.25	1027.03	1.57	1.60	10.57	RIVULIS DRAGON-LINE 24 FT	805		
806		1.25	1028.28	1.57	1.60	10.57	RIVULIS DRAGON-LINE 24 FT	806		
807		1.25	1029.53	1.58	1.60	10.57	RIVULIS DRAGON-LINE 24 FT	807		
TOWER 6		157.00	1032.60				PIPE ID CHANGES FROM 6.395 TO 5.369			
808		3.25	1032.78	1.58	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	808		
809		1.25	1034.03	1.58	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	809		

OUTLET NO.	LAST OUTLET	DISTANCE TO PIVOT	GPM NEED	GPM DEL.	PIPE PSI	NOZZLE PSI	SPRINKLER LABEL AND NOZZLE SIZE	SPRK NO.	REG SIZE	PLUG NO.
810		1.25	1035.28	1.58	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	810		
811		1.25	1036.53	1.58	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	811		
812		1.25	1037.78	1.59	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	812		
813		1.25	1039.03	1.59	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	813		
814		1.25	1040.28	1.59	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	814		
815		1.25	1041.53	1.59	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	815		
816		1.25	1042.78	1.59	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	816		
817		1.25	1044.03	1.60	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	817		
818		1.25	1045.28	1.60	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	818		
819		1.25	1046.53	1.60	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	819		
820		1.25	1047.78	1.60	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	820		
821		1.25	1049.03	1.60	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	821		
822		1.25	1050.28	1.61	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	822		
823		1.25	1051.53	1.61	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	823		
824		1.25	1052.78	1.61	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	824		
825		1.25	1054.03	1.61	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	825		
826		1.25	1055.28	1.61	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	826		
827		1.25	1056.53	1.62	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	827		
828		1.25	1057.78	1.62	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	828		
829		1.25	1059.03	1.62	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	829		
830		1.25	1060.28	1.62	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	830		
831		1.25	1061.53	1.62	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	831		
832		1.25	1062.78	1.62	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	832		
833		1.25	1064.03	1.63	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	833		
834		1.25	1065.28	1.63	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	834		
835		1.25	1066.53	1.63	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	835		
836		1.25	1067.78	1.63	1.60	10.56	RIVULIS DRAGON-LINE 24 FT	836		
837		1.25	1069.03	1.63	1.67	10.56	RIVULIS DRAGON-LINE 25 FT	837		
838		1.25	1070.28	1.64	1.67	10.56	RIVULIS DRAGON-LINE 25 FT	838		
839		1.25	1071.53	1.64	1.67	10.56	RIVULIS DRAGON-LINE 25 FT	839		
840		1.25	1072.78	1.64	1.67	10.56	RIVULIS DRAGON-LINE 25 FT	840		
841		1.25	1074.03	1.64	1.67	10.56	RIVULIS DRAGON-LINE 25 FT	841		
842		1.25	1075.28	1.65	1.67	10.56	RIVULIS DRAGON-LINE 25 FT	842		
OVERHANG		44.87	1077.47							

TOTAL GPM = 700.42

GPA = 8.36

MINIMUM RECOMMENDED DRAGON-LINE® INLET PRESSURE IS 8.65 PSI
 WITH GRADUATED ELEVATION OF 5.00 FT THE INLET PRESSURE IS 13.40 PSI FOR TAPE 842
 THIS POSITION IS THE CLOSEST TO THE MINIMUM RECOMMENDED INLET PRESSURE

HYDRAULICS SUMMARY

TOWER NUMBER	ACRES UNDER SPAN	GPM NEED	ACTUAL GPM	PERCENT DEVIATION	GPM PER ACRE	AVERAGE IN. PER HR DELIVERED UNDER SPAN	AVERAGE IN. DELIVERED FOR REVOLUTION TIME		
							36 HR	48 HR	60 HR
1	2.38	19.88	20.26	2%	8.52	0.019	0.68	0.90	1.13
2	7.00	58.52	58.68	0%	8.38	0.019	0.67	0.89	1.11
3	11.62	97.16	97.56	0%	8.40	0.019	0.67	0.89	1.11
4	16.24	135.80	136.32	0%	8.39	0.019	0.67	0.89	1.11
5	18.05	150.91	151.27	0%	8.38	0.019	0.67	0.89	1.11
6	21.61	180.64	180.61	0%	8.36	0.018	0.66	0.89	1.11
OVERHANG	6.83	57.09	55.72	-2%	8.16	0.018	0.65	0.87	1.08
TOTAL	83.73	700.00	700.42		8.37				

SUMMARY OF SPRINKLERS

42 RIVULIS DRAGON-LINE 1 FT
35 RIVULIS DRAGON-LINE 2 FT
34 RIVULIS DRAGON-LINE 3 FT
34 RIVULIS DRAGON-LINE 4 FT
35 RIVULIS DRAGON-LINE 5 FT
35 RIVULIS DRAGON-LINE 6 FT
35 RIVULIS DRAGON-LINE 7 FT
34 RIVULIS DRAGON-LINE 8 FT
34 RIVULIS DRAGON-LINE 9 FT
35 RIVULIS DRAGON-LINE 10 FT
35 RIVULIS DRAGON-LINE 11 FT
34 RIVULIS DRAGON-LINE 12 FT
35 RIVULIS DRAGON-LINE 13 FT
35 RIVULIS DRAGON-LINE 14 FT
35 RIVULIS DRAGON-LINE 15 FT
33 RIVULIS DRAGON-LINE 16 FT
35 RIVULIS DRAGON-LINE 17 FT
35 RIVULIS DRAGON-LINE 18 FT
35 RIVULIS DRAGON-LINE 19 FT
33 RIVULIS DRAGON-LINE 20 FT
35 RIVULIS DRAGON-LINE 21 FT
35 RIVULIS DRAGON-LINE 22 FT
35 RIVULIS DRAGON-LINE 23 FT
33 RIVULIS DRAGON-LINE 24 FT
6 RIVULIS DRAGON-LINE 25 FT

0 PLUGS**SUMMARY OF DRAGON-LINE®**

RIVULIS DRAGON-LINE - 10501 FT

NOZZLE POSITION CHART

RIVULIS DRAGON-LINE 1 FT	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42
RIVULIS DRAGON-LINE 2 FT	43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77
RIVULIS DRAGON-LINE 3 FT	78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111
RIVULIS DRAGON-LINE 4 FT	112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145
RIVULIS DRAGON-LINE 5 FT	146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180
RIVULIS DRAGON-LINE 6 FT	181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215
RIVULIS DRAGON-LINE 7 FT	216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250
RIVULIS DRAGON-LINE 8 FT	251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284
RIVULIS DRAGON-LINE 9 FT	285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318
RIVULIS DRAGON-LINE 10 FT	319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353
RIVULIS DRAGON-LINE 11 FT	354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388
RIVULIS DRAGON-LINE 12 FT	389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422
RIVULIS DRAGON-LINE 13 FT	423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457
RIVULIS DRAGON-LINE 14 FT	458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492
RIVULIS DRAGON-LINE 15 FT	493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527
RIVULIS DRAGON-LINE 16 FT	528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560
RIVULIS DRAGON-LINE 17 FT	561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595
RIVULIS DRAGON-LINE 18 FT	596, 597, 598, 599, 600

**DRAGON-LINE LLC
100 SOUTH MAIN
ULYSSES, KANSAS 67880**

SEPTEMBER 29, 2025
WISH-119627
WALTHER FARMS

LINDSAY GEN II - 30
RIVULIS DRAGON-LINE®
NO REGULATORS
.75 I.D. FLEXIBLE HOSE
NO ENDGUN

Rotation time at 100% = 12.72 Hours Or 763 minutes

700 GPM @ 17 PSI

Installation Chart

Page 1

Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
1	1	1	1		61		61	2		121		121	4		47		180	5		107		240	7	
2	2	1	1		62		62	2		122		122	4		48		181	6		108		241	7	
3	3	1	1		63		63	2		123		123	4		49		182	6		109		242	7	
4	4	1	1		64		64	2		124		124	4		50		183	6		110		243	7	
5	5	1	1		65		65	2		125		125	4		51		184	6		111		244	7	
6	6	1	1		66		66	2		126		126	4		52		185	6		112		245	7	
7	7	1	1		67		67	2		127		127	4		53		186	6		113		246	7	
8	8	1	1		68		68	2		128		128	4		54		187	6		114		247	7	
9	9	1	1		69		69	2		129		129	4		55		188	6		115		248	7	
10	10	1	1		70		70	2		130		130	4		56		189	6		116		249	7	
11	11	1	1		71		71	2		131		131	4		57		190	6		117		250	7	
12	12	1	1		72		72	2		132		132	4		58		191	6		118		251	8	
13	13	1	1		73		73	2		133		133	4		59		192	6		119		252	8	
14	14	1	1		74		74	2		TOWER 1												TOWER 2		
15	15	1	1		75		75	2		1		134	4		60		193	6		120		253	8	
16	16	1	1		76		76	2		2		135	4		61		194	6		121		254	8	
17	17	1	1		77		77	2		3		136	4		62		195	6		122		255	8	
18	18	1	1		78		78	3		4		137	4		63		196	6		123		256	8	
19	19	1	1		79		79	3		5		138	4		64		197	6		124		257	8	
20	20	1	1		80		80	3		6		139	4		65		198	6		125		258	8	
21	21	1	1		81		81	3		7		140	4		66		199	6		126		259	8	
22	22	1	1		82		82	3		8		141	4		67		200	6		127		260	8	
23	23	1	1		83		83	3		9		142	4		68		201	6		128		261	8	
24	24	1	1		84		84	3		10		143	4		69		202	6		129		262	8	
25	25	1	1		85		85	3		11		144	4		70		203	6		130		263	8	
26	26	1	1		86		86	3		12		145	4		71		204	6		131		264	8	
27	27	1	1		87		87	3		13		146	5		72		205	6		132		265	8	
28	28	1	1		88		88	3		14		147	5		73		206	6		133		266	8	
29	29	1	1		89		89	3		15		148	5		74		207	6		134		267	8	
30	30	1	1		90		90	3		16		149	5		75		208	6		135		268	8	
31	31	1	1		91		91	3		17		150	5		76		209	6		136		269	8	
32	32	1	1		92		92	3		18		151	5		77		210	6		137		270	8	
33	33	1	1		93		93	3		19		152	5		78		211	6		138		271	8	
34	34	1	1		94		94	3		20		153	5		79		212	6		139		272	8	
35	35	1	1		95		95	3		21		154	5		80		213	6		140		273	8	
36	36	1	1		96		96	3		22		155	5		81		214	6		141		274	8	
37	37	1	1		97		97	3		23		156	5		82		215	6		142		275	8	
38	38	1	1		98		98	3		24		157	5		83		216	7		1		276	8	
39	39	1	1		99		99	3		25		158	5		84		217	7		2		277	8	
40	40	1	1		100		100	3		26		159	5		85		218	7		3		278	8	
41	41	1	1		101		101	3		27		160	5		86		219	7		4		279	8	
42	42	1	1		102		102	3		28		161	5		87		220	7		5		280	8	
43	43	2	1		103		103	3		29		162	5		88		221	7		6		281	8	
44	44	2	1		104		104	3		30		163	5		89		222	7		7		282	8	
45	45	2	1		105		105	3		31		164	5		90		223	7		8		283	8	
46	46	2	1		106		106	3		32		165	5		91		224	7		9		284	8	
47	47	2	1		107		107	3		33		166	5		92		225	7		10		285	9	
48	48	2	1		108		108	3		34		167	5		93		226	7		11		286	9	
49	49	2	1		109		109	3		35		168	5		94		227	7		12		287	9	
50	50	2	1		110		110	3		36		169	5		95		228	7		13		288	9	
51	51	2	1		111		111	3		37		170	5		96		229	7		14		289	9	
52	52	2	1		112		112	4		38		171	5		97		230	7		15		290	9	
53	53	2	1		113		113	4		39		172	5		98		231	7		16		291	9	
54	54	2	1		114		114	4		40		173	5		99		232	7		17		292	9	
55	55	2	1		115		115	4		41		174	5		100		233	7		18		293	9	
56	56	2	1		116		116	4		42		175	5		101		234	7		19		294	9	
57	57	2	1		117		117	4		43		176	5		102		235	7		20		295	9	
58	58	2	1		118		118	4		44		177	5		103		236	7		21		296	9	
59	59	2	1		119		119	4		45		178	5		104		237	7		22		297	9	
60	60	2	1		120		120	4		46		179	5		105		238	7		23		298	9	

DRAGON-LINE LLC
100 SOUTH MAIN
ULYSSES, KANSAS 67880

SEPTEMBER 29, 2025
 WISH-119627
 WALTHER FARMS

LINDSAY GEN II - 30
 RIVULIS DRAGON-LINE®
 NO REGULATORS
 .75 I.D. FLEXIBLE HOSE
 NO ENDGUN

Rotation time at 100% = 12.72 Hours Or 763 minutes

700 GPM @ 17 PSI

Installation Chart

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Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg	Out #	Drop Len	Sprk #	Noz Size	Reg
24		299	9		84		359	11		1		418	12		61		478	14		121		538	16	
25		300	9		85		360	11		2		419	12		62		479	14		122		539	16	
26		301	9		86		361	11		3		420	12		63		480	14		123		540	16	
27		302	9		87		362	11		4		421	12		64		481	14		124		541	16	
28		303	9		88		363	11		5		422	12		65		482	14		125		542	16	
29		304	9		89		364	11		6		423	13		66		483	14		126		543	16	
30		305	9		90		365	11		7		424	13		67		484	14		127		544	16	
31		306	9		91		366	11		8		425	13		68		485	14		128		545	16	
32		307	9		92		367	11		9		426	13		69		486	14		129		546	16	
33		308	9		93		368	11		10		427	13		70		487	14		130		547	16	
34		309	9		94		369	11		11		428	13		71		488	14		131		548	16	
35		310	9		95		370	11		12		429	13		72		489	14		132		549	16	
36		311	9		96		371	11		13		430	13		73		490	14		133		550	16	
37		312	9		97		372	11		14		431	13		74		491	14		134		551	16	
38		313	9		98		373	11		15		432	13		75		492	14		135		552	16	
39		314	9		99		374	11		16		433	13		76		493	15		136		553	16	
40		315	9		100		375	11		17		434	13		77		494	15		137		554	16	
41		316	9		101		376	11		18		435	13		78		495	15		138		555	16	
42		317	9		102		377	11		19		436	13		79		496	15		139		556	16	
43		318	9		103		378	11		20		437	13		80		497	15		140		557	16	
44		319	10		104		379	11		21		438	13		81		498	15		141		558	16	
45		320	10		105		380	11		22		439	13		82		499	15		142		559	16	
46		321	10		106		381	11		23		440	13		83		500	15				TOWER 4		
47		322	10		107		382	11		24		441	13		84		501	15		1		560	16	
48		323	10		108		383	11		25		442	13		85		502	15		2		561	17	
49		324	10		109		384	11		26		443	13		86		503	15		3		562	17	
50		325	10		110		385	11		27		444	13		87		504	15		4		563	17	
51		326	10		111		386	11		28		445	13		88		505	15		5		564	17	
52		327	10		112		387	11		29		446	13		89		506	15		6		565	17	
53		328	10		113		388	11		30		447	13		90		507	15		7		566	17	
54		329	10		114		389	12		31		448	13		91		508	15		8		567	17	
55		330	10		115		390	12		32		449	13		92		509	15		9		568	17	
56		331	10		116		391	12		33		450	13		93		510	15		10		569	17	
57		332	10		117		392	12		34		451	13		94		511	15		11		570	17	
58		333	10		118		393	12		35		452	13		95		512	15		12		571	17	
59		334	10		119		394	12		36		453	13		96		513	15		13		572	17	
60		335	10		120		395	12		37		454	13		97		514	15		14		573	17	
61		336	10		121		396	12		38		455	13		98		515	15		15		574	17	
62		337	10		122		397	12		39		456	13		99		516	15		16		575	17	
63		338	10		123		398	12		40		457	13		100		517	15		17		576	17	
64		339	10		124		399	12		41		458	14		101		518	15		18		577	17	
65		340	10		125		400	12		42		459	14		102		519	15		19		578	17	
66		341	10		126		401	12		43		460	14		103		520	15		20		579	17	
67		342	10		127		402	12		44		461	14		104		521	15		21		580	17	
68		343	10		128		403	12		45		462	14		105		522	15		22		581	17	
69		344	10		129		404	12		46		463	14		106		523	15		23		582	17	
70		345	10		130		405	12		47		464	14		107		524	15		24		583	17	
71		346	10		131		406	12		48		465	14		108		525	15		25		584	17	
72		347	10		132		407	12		49		466	14		109		526	15		26		585	17	
73		348	10		133		408	12		50		467	14		110		527	15		27		586	17	
74		349	10		134		409	12		51		468	14		111		528	16		28		587	17	
75		350	10		135		410	12		52		469	14		112		529	16		29		588	17	
76		351	10		136		411	12		53		470	14		113		530	16		30		589	17	
77		352	10		137		412	12		54		471	14		114		531	16		31		590	17	
78		353	10		138		413	12		55		472	14		115		532	16		32		591	17	
79		354	11		139		414	12		56		473	14		116		533	16		33		592	17	
80		355	11		140		415	12		57		474	14		117		534	16		34		593	17	
81		356	11		141		416	12		58		475	14		118		535	16		35		594	17	
82		357	11		142		417	12		59		476	14		119		536	16		36		595	17	
83		358	11							60		477	14		120		537	16		37		596	18	

TOWER 3

**DRAGON-LINE LLC
100 SOUTH MAIN
ULYSSES, KANSAS 67880**

SEPTEMBER 29, 2025
WISH-119627
WALTHER FARMS

LINDSAY GEN II - 30
RIVULIS DRAGON-LINE®
NO REGULATORS
.75 I.D. FLEXIBLE HOSE
NO ENDGUN

Rotation time at 100% = 12.72 Hours Or 763 minutes

700 GPM @ 17 PSI

Installation Chart

Page 3

PRECIPITATION CHART FOR FULL CIRCLE

WISH-119627

SEPTEMBER 29, 2025

DEALER - DRAGON-LINE LLC

IRRIGATOR - WALTHER FARMS

TOTAL LENGTH PIPE = 1077.47 SYSTEM PRESSURE = 17 PSI
 GPM UNDER PIPE = 700.42 TOTAL GPM = 700.42
 ACRES UNDER PIPE = 83.73
 RANGE OF ENDGUN = .00
 GPM OF ENDGUN = .00
 ACRES UNDER ENDGUN = .00

MOTOR SIZE (HP) = 3/4
 LOADED MOTOR RPM = 1750
 CENTER GEAR BOX RATIO = 40
 WHEEL GEAR BOX RATIO = 50
 TIRE SIZE = 11 X 22.5
 LAST TOWER SPEED (FPM) = 8.50

PRECIPITATION BASED

% TIMER BASED

PRECIPITATION INCHES	% TIMER SETTING	TIME HOURS	% TIMER SETTING	PRECIPITATION INCHES	TIME HOURS
.24	100.00	12.72 - 763(min)	100.00	.24	12.72 - 763(min)
.25	94.06	13.53	90.00	.26	14.14
.30	78.38	16.23	80.00	.29	15.90
.40	58.79	21.64	70.00	.34	18.17
.50	47.03	27.05	60.00	.39	21.20
.60	39.19	32.46	50.00	.47	25.44
.70	33.59	37.87	45.00	.52	28.27
.75	31.35	40.58	40.00	.59	31.80
.80	29.39	43.28	35.00	.67	36.35
.90	26.13	48.69	30.00	.78	42.41
1.00	23.51	54.10	25.00	.94	50.89
1.25	18.81	67.63	20.00	1.18	63.61
1.50	15.68	81.15	15.00	1.57	84.81
1.75	13.44	94.68	10.00	2.35	127.22
2.00	11.76	108.20	5.00	4.70	254.43

CAUTION: The relationship between precipitation rate, timer setting, and hours per revolution provided above are theoretical numbers based on the data list at the top of the page. Actual precipitation rates may vary due to the following field and machine conditions: wind drift; evaporation; tire slippage, tire loaded radius; drive train efficiency; elevation changes; soil type. Due to these varying field and machine conditions the above chart should be used as a guide only.