

70series-7025RD-EFF (Effluent Impact Sprinkler)

The Senninger F-luent Master® sprinklers are designed specifically for disposing effluent by the land treatment method in accordance with EPA guidelines. Several models are available based on flow.



70 SERIES MODELS

Features

- Flow range: 8.11 to 31.6 gpm (1842 to 7177 L/hr)
- Nozzle sizes from 7/32" to 3/8" (5.56 to 9.53 mm) #14 through #24
- Single and double-nozzle models available
- Sprinkler base pressure: 35 to 70 psi (2.41 to 4.83 bar)
- Base Connections: 1" M NPT, 1" M BSPT
- High-impact engineering-grade thermoplastic construction resists chemical degradation, scale buildup and UV effects
- Stainless steel springs and fulcrum pin enclosed to resist contamination; electrolysis eliminated by using no brass parts
- Nozzles are warranted to retain correct orifice size for five years
- Lavender cap to correspond to industry standards denoting use of non-potable water
- Effluent vane minimizes obstruction from water-borne materials
- Two year manufacturer's warranty on materials, workmanship and performance

7025RD-I-EFF

Sprinkler base pressure																	
(psi)	35	40	45	50	55	60	65	70	(bar)	2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83
#14 Nozzle - Blue (7/32")									#14 Nozzle - Blue (5.56 mm)								
Flow (gpm)	8.11	8.66	9.20	9.69	10.20	10.60	11.00	11.50	Flow (L/hr)	1842	1967	2090	2201	2317	2408	2498	2612
Diam. at 1.5 ft ht (ft)	106	111	113	115	117	119	121	123	Diam. at 0.46 m ht (m)	32.3	33.8	34.4	35.1	35.7	36.3	36.9	37.5
Diam. at 6.0 ft ht (ft)	114	118	121	124	126	128	129	130	Diam. at 1.83 m ht (m)	34.7	36.0	36.9	37.8	38.4	39.0	39.3	39.6
#16 Nozzle - Orange (1/4")									#16 Nozzle - Orange (6.35 mm)								
Flow (gpm)	10.70	11.40	12.10	12.80	13.40	14.00	14.60	15.10	Flow (L/hr)	2430	2589	2748	2907	3043	3180	3316	3430
Diam. at 1.5 ft ht (ft)	111	117	120	123	126	129	131	133	Diam. at 0.46 m ht (m)	33.8	35.7	36.6	37.5	38.4	39.3	39.9	40.5
Diam. at 6.0 ft ht (ft)	122	126	129	131	134	136	137	138	Diam. at 1.83 m ht (m)	37.2	38.4	39.3	39.9	40.8	41.5	41.8	42.1
#18 Nozzle - Purple (9/32")									#18 Nozzle - Purple (7.14 mm)								
Flow (gpm)	13.30	14.20	15.00	15.90	16.60	17.40	18.10	18.80	Flow (L/hr)	3021	3225	3407	3611	3770	3952	4111	4270
Diam. at 1.5 ft ht (ft)	118	124	127	129	134	139	142	144	Diam. at 0.46 m ht (m)	36.0	37.8	38.7	39.3	40.8	42.4	43.3	43.9
Diam. at 6.0 ft ht (ft)	128	132	135	137	141	144	146	147	Diam. at 1.83 m ht (m)	39.0	40.2	41.1	41.8	43.0	43.9	44.5	44.8
#20 Nozzle - Dark Turquoise (5/16")									#20 Nozzle - Dark Turquoise (7.94 mm)								
Flow (gpm)	16.00	17.10	18.20	19.20	20.10	21.00	21.80	22.70	Flow (L/hr)	3634	3884	4134	4361	4565	4770	4951	5156
Diam. at 1.5 ft ht (ft)	124	130	134	137	142	146	150	153	Diam. at 0.46 m ht (m)	37.8	39.6	40.8	41.8	43.3	44.5	45.7	46.6
Diam. at 6.0 ft ht (ft)	133	137	140	143	147	151	154	155	Diam. at 1.83 m ht (m)	40.5	41.8	42.7	43.6	44.8	46.0	46.9	47.2
#22 Nozzle - Maroon (11/32")									#22 Nozzle - Maroon (8.73 mm)								
Flow (gpm)	19.30	20.50	21.80	22.90	24.10	25.10	26.10	27.10	Flow (L/hr)	4384	4656	4951	5201	5474	5701	5928	6155
Diam. at 1.5 ft ht (ft)	126	133	141	148	153	157	160	162	Diam. at 0.46 m ht (m)	38.4	40.5	43.0	45.1	46.6	47.9	48.8	49.4
Diam. at 6.0 ft ht (ft)	136	141	146	150	155	159	162	164	Diam. at 1.83 m ht (m)	41.5	43.0	44.5	45.7	47.2	48.5	49.4	50.0
#24 Nozzle - Dark Blue (3/8")									#24 Nozzle - Dark Blue (9.53 mm)								
Flow (gpm)	22.40	23.90	25.30	26.70	28.00	29.30	30.40	31.60	Flow (L/hr)	5088	5428	5746	6064	6359	6655	6905	7177
Diam. at 1.5 ft ht (ft)	130	138	145	151	156	160	166	169	Diam. at 0.46 m ht (m)	39.6	42.1	44.2	46.0	47.5	48.8	50.6	51.5
Diam. at 6.0 ft ht (ft)	138	145	150	155	160	164	167	170	Diam. at 1.83 m ht (m)	42.1	44.2	45.7	47.2	48.8	50.0	50.9	51.8

Figures reflect actual test data obtained under ideal conditions. Stream heights range from 8.5 to 15.5 ft (2.6 to 4.7 m) above nozzle based on pressure and nozzle size. Diameters shown are for standard straight bore nozzles and effluent vanes (brown). Other nozzles and or vane combinations are available. Contact factory for specific performance data.