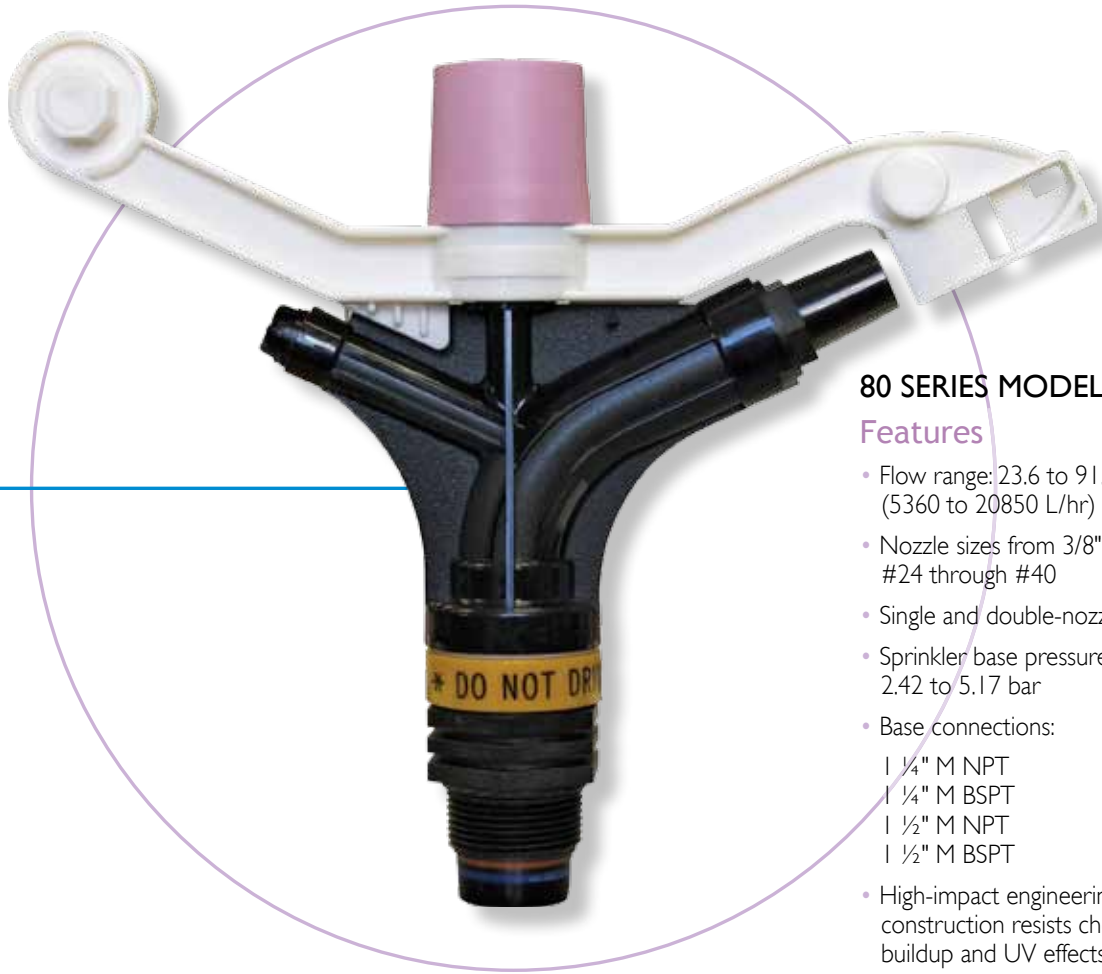


# 80series-8025 HR-EFF

## (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.



### 80 SERIES MODELS

#### Features

- Flow range: 23.6 to 91.8 gpm (5360 to 20850 L/hr)
- Nozzle sizes from 3/8" to 5/8" (9.53 to 15.88 mm) #24 through #40
- Single and double-nozzle models available
- Sprinkler base pressure: 35 to 75 psi 2.42 to 5.17 bar
- Base connections:
  - | 1/4" M NPT
  - | 1/4" M BSPT
  - | 1/2" M NPT
  - | 1/2" 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

8025HR-I-EFF

Sprinkler base pressure																				
(psi)	35	40	45	50	55	60	65	70	75	(bar)	2.41	2.76	3.10	3.45	3.79	4.14	4.48	4.83	5.17	
<b>#24 Nozzle - (3/8")</b>											<b>#24 Nozzle - (9.53 mm)</b>									
Flow (gpm)	23.6	25.2	26.7	28.2	29.6	30.9	32.1	33.3	34.5	Flow (L/hr)	5360	5724	6064	6405	6723	7018	7291	7563	7836	
Diam. at 1.5 ft ht (ft)	128	134	139	144	149	154	157	159	160	Diam. at 0.46 m ht (m)	39	41	42	44	45	47	48	48	49	
Diam. at 6.0 ft ht (ft)	147	152	156	159	162	164	166	168	170	Diam. at 1.83 m ht (m)	45	46	48	48	49	50	51	51	52	
<b>#26 Nozzle - (13/32")</b>											<b>#26 Nozzle - (10.32 mm)</b>									
Flow (gpm)	27.4	29.3	31.0	32.7	34.3	35.9	37.3	38.7	40.1	Flow (L/hr)	6223	6655	7041	7427	7790	8154	8472	8790	9108	
Diam. at 1.5 ft ht (ft)	136	142	147	152	157	161	164	166	168	Diam. at 0.46 m ht (m)	41	43	45	46	48	49	50	51	51	
Diam. at 6.0 ft ht (ft)	152	157	161	164	167	169	171	173	175	Diam. at 1.83 m ht (m)	46	48	49	50	51	52	52	53	53	
<b>#28 Nozzle - (7/16")</b>											<b>#28 Nozzle - (11.11 mm)</b>									
Flow (gpm)	31.8	33.9	36.0	38.0	39.8	41.6	43.3	44.9	46.5	Flow (L/hr)	7223	7700	8176	8631	9040	9448	9834	10198	10561	
Diam. at 1.5 ft ht (ft)	142	148	153	157	161	166	169	171	173	Diam. at 0.46 m ht (m)	43	45	47	48	49	51	52	52	53	
Diam. at 6.0 ft ht (ft)	156	161	165	168	171	173	175	177	179	Diam. at 1.83 m ht (m)	48	49	50	51	52	53	53	54	55	
<b>#30 Nozzle - (15/32")</b>											<b>#30 Nozzle - (11.91 mm)</b>									
Flow (gpm)	36.1	38.6	40.9	43.1	45.2	47.2	49.2	51.0	52.8	Flow (L/hr)	8199	8767	9289	9789	10266	10720	11175	11583	11992	
Diam. at 1.5 ft ht (ft)	147	153	158	162	166	170	173	175	178	Diam. at 0.46 m ht (m)	45	47	48	49	51	52	53	53	54	
Diam. at 6.0 ft ht (ft)	160	165	169	172	175	177	179	181	183	Diam. at 1.83 m ht (m)	49	50	52	52	53	54	55	55	56	
<b>#32 Nozzle - (1/2")</b>											<b>#32 Nozzle - (12.7 mm)</b>									
Flow (gpm)	41.0	43.9	46.5	49.0	51.4	53.7	55.9	58.0	60.1	Flow (L/hr)	9312	9971	10561	11129	11674	12197	12696	13173	13650	
Diam. at 1.5 ft ht (ft)	150	156	161	165	169	173	176	179	183	Diam. at 0.46 m ht (m)	46	48	49	50	52	53	54	55	56	
Diam. at 6.0 ft ht (ft)	164	169	173	176	179	181	183	185	187	Diam. at 1.83 m ht (m)	50	52	53	54	55	55	56	56	57	
<b>#34 Nozzle - (17/32")</b>											<b>#34 Nozzle - (13.49 mm)</b>									
Flow (gpm)	46.3	49.5	52.5	55.4	58.1	60.7	63.1	65.5	67.8	Flow (L/hr)	10516	11243	11924	12583	13196	13786	14332	14877	15399	
Diam. at 1.5 ft ht (ft)	153	159	164	168	172	176	180	183	186	Diam. at 0.46 m ht (m)	47	48	50	51	52	54	55	56	57	
Diam. at 6.0 ft ht (ft)	167	172	176	179	182	184	186	188	190	Diam. at 1.83 m ht (m)	51	52	54	55	55	56	57	57	58	
<b>#36 Nozzle - (9/16")</b>											<b>#36 Nozzle - (14.29 mm)</b>									
Flow (gpm)	51.9	55.5	58.9	62.1	65.1	68.0	70.8	73.5	76.0	Flow (L/hr)	11788	12605	13378	14104	14786	15444	16080	16694	17261	
Diam. at 1.5 ft ht (ft)	155	161	166	170	174	178	183	187	190	Diam. at 0.46 m ht (m)	47	49	51	52	53	54	56	57	58	
Diam. at 6.0 ft ht (ft)	170	175	179	182	185	187	189	191	193	Diam. at 1.83 m ht (m)	52	53	55	55	56	57	58	58	59	
<b>#38 Nozzle - (19/32")</b>											<b>#38 Nozzle - (15.08 mm)</b>									
Flow (gpm)	56.0	59.9	63.5	66.9	70.2	73.3	76.3	79.2	82.0	Flow (L/hr)	12719	13605	14422	15195	15944	16648	17330	17988	18624	
Diam. at 1.5 ft ht (ft)	157	163	168	172	176	180	185	190	192	Diam. at 0.46 m ht (m)	48	50	51	52	54	55	56	58	59	
Diam. at 6.0 ft ht (ft)	173	178	182	185	188	190	192	194	196	Diam. at 1.83 m ht (m)	53	54	55	56	57	58	59	59	60	
<b>#40 Nozzle - (5/8")</b>											<b>#40 Nozzle - (15.88 mm)</b>									
Flow (gpm)	-	67.1	71.1	75.0	78.7	82.1	85.5	88.7	91.8	Flow (L/hr)	-	15240	16149	17034	17875	18647	19419	20146	20850	
Diam. at 1.5 ft ht (ft)	-	165	170	174	178	182	187	192	194	Diam. at 0.46 m ht (m)	-	50	52	53	54	55	57	59	59	
Diam. at 6.0 ft ht (ft)	-	181	185	188	191	193	195	197	199	Diam. at 1.83 m ht (m)	-	55	56	57	58	59	60	60	61	

Figures reflect actual test data obtained under ideal conditions. Stream heights range from 12.5 to 28.0 ft (3.8 to 8.5 m) above nozzle based on pressure and nozzle size. Diameters shown are for standard straight bore nozzles and effluent vanes (black). Other nozzles and or vane combinations are available. Contact factory for specific performance data.