



# F-luent-Master®

## PART-CIRCLE BRASS SPRINKLER

### 7525-1-1" M ADJUSTABLE ROTATION IMPACT SPRINKLER

#### DESCRIPTION

Senninger Irrigation's part-circle brass sprinkler is ideal for solid-set and mechanical-move applications. The convenient part-circle adjustability helps match the desired area of coverage. It is capable of disposing effluent by the land treatment method in accordance with EPA guidelines. The 7525 model is designed to provide maximum efficiency at high flow rates.

#### FEATURES

- Flow range: 8.28 to 32.82 gpm (0.53 to 2.10 L/s)
- Sprinkler base pressure: 35 to 70 psi (2.5 to 5.0 bar)
- 23 degree trajectory model:  
**7525-1-1" M**  
(lower bearing is 1" NPT male)
- Full or part-circle capabilities
- Brass body and splasharm
- Stainless steel springs, pins and trip collars
- Nozzle sizes from  $\frac{7}{32}$ " to  $\frac{3}{8}$ " (#14 through #24)  
(5.6 to 9.5 mm)
- Two-year warranty on materials, workmanship and performance
- Also available in a double-nozzle model

#### SPECIFICATIONS

Sprinkler shall be capable of part circle or 360 degree rotation driven by impact splasharm and spring. It shall be capable of a distribution pattern of \_\_\_\_\_ (feet/meters) in diameter at a riser height of \_\_\_\_\_ (feet/meters) with a sprinkler base operating pressure of \_\_\_\_\_ (psi / bar) and a discharge rate of \_\_\_\_\_ (gpm / L/s). Trajectory shall be 23 degrees. Nozzle size shall be \_\_\_\_\_ inch (nozzle # \_\_\_\_\_). Lower bearing brass thread shall be 1" NPT male.

Sprinkler body and splasharm shall be constructed of brass with stainless steel springs, pins and trip collars.

Sprinkler shall carry a two-year warranty on materials, workmanship and performance.

*Available through leading irrigation dealers.*

**Senninger  
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# FluentMaster®

## PART-CIRCLE BRASS SPRINKLER

7525-1 BRASS		U.S. - Diameter (feet)								METRIC - Diameter (meters)						
		SPRINKLER (psi)	35	40	45	50	55	60	65	70	(bar)	2.5	3.0	3.5	4.0	4.5
<b>BASE PRESSURE</b>										(psi)	36.25	43.50	50.75	58.00	65.25	72.50
<b>#14 Nozzle - (7/32")</b>										<b>#14 Nozzle - (5.56 mm)</b>						
Flow (gpm)	8.28	8.85	9.39	9.89	10.4	10.8	11.3	11.7	(L/s)	0.53	0.58	0.63	0.67	0.71	0.75	
Diam. at 1.5' height (ft)	101	106	111	114	117	119	121	122	0.5 m (m)	31.2	33.4	34.9	36.0	36.9	37.3	
Diam. at 6.0' height (ft)	106	112	117	120	123	125	127	128	2.0 m (m)	32.8	35.2	36.7	37.9	38.7	39.2	
<b>#16 Nozzle - (1/4")</b>										<b>#16 Nozzle - (6.35 mm)</b>						
Flow (gpm)	10.8	11.5	12.2	12.9	13.5	14.1	14.7	15.2	(L/s)	0.69	0.76	0.82	0.87	0.93	0.98	
Diam. at 1.5' height (ft)	104	110	116	120	124	126	129	130	0.5 m (m)	32.2	34.8	36.8	38.2	39.3	39.8	
Diam. at 6.0' height (ft)	110	116	122	127	130	133	135	136	2.0 m (m)	34.0	36.6	38.8	40.2	41.2	41.6	
<b>#18 Nozzle - (9/32")</b>										<b>#18 Nozzle - (7.14 mm)</b>						
Flow (gpm)	13.5	14.5	15.4	16.2	17.0	17.7	18.5	19.2	(L/s)	0.87	0.95	1.03	1.10	1.16	1.23	
Diam. at 1.5' height (ft)	108	114	120	124	128	130	131	132	0.5 m (m)	33.4	36.0	38.0	39.4	39.9	40.4	
Diam. at 6.0' height (ft)	114	120	126	130	134	138	139	140	2.0 m (m)	35.2	37.9	39.8	41.6	42.4	42.8	
<b>#20 Nozzle - (5-16")</b>										<b>#20 Nozzle - (7.94 mm)</b>						
Flow (gpm)	16.6	17.7	18.8	19.8	20.7	21.7	22.6	23.4	(L/s)	1.06	1.16	1.26	1.34	1.42	1.50	
Diam. at 1.5' height (ft)	112	118	124	128	131	133	134	135	0.5 m (m)	34.6	37.2	39.1	40.3	40.9	41.3	
Diam. at 6.0' height (ft)	118	124	130	134	138	141	142	143	2.0 m (m)	36.4	39.1	41.0	42.6	43.3	43.7	
<b>#22 Nozzle - (11/32")</b>										<b>#22 Nozzle - (8.73 mm)</b>						
Flow (gpm)	19.8	21.2	22.5	23.7	24.8	25.9	27.0	28.0	(L/s)	1.27	1.39	1.50	1.61	1.70	1.80	
Diam. at 1.5' height (ft)	116	122	126	131	133	135	136	137	0.5 m (m)	35.8	38.0	40.0	40.9	41.5	41.9	
Diam. at 6.0' height (ft)	122	128	133	138	140	142	143	144	2.0 m (m)	37.6	40.1	42.2	43.0	43.6	44.0	
<b>#24 Nozzle - (3/8")</b>										<b>#24 Nozzle - (9.53 mm)</b>						
Flow (gpm)	23.2	24.8	26.3	27.7	29.1	30.4	31.6	32.8	(L/s)	1.49	1.63	1.76	1.88	2.00	2.10	
Diam. at 1.5' height (ft)	119	124	128	132	134	136	137	138	0.5 m (m)	36.7	38.6	40.3	41.2	41.8	42.2	
Diam. at 6.0' height (ft)	125	130	135	139	141	143	144	145	2.0 m (m)	38.5	40.7	42.5	43.3	43.9	44.3	

Figures reflect actual test data obtained under ideal conditions. Stream heights range from 10.0 - 12.0 ft (3.0 - 3.7 m) above nozzle based on pressure and nozzle size. Sprinkler performance tests were conducted in accordance with the American Society of Agricultural Engineers standard S398.1 and are representative of production at the time of publication. Other nozzle sizes are available; consult factory for specific performance data.

