F-luent-Master®

PART-CIRCLE BRASS SPRINKLER

4525-1-3/4" 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 4525 model is designed to provide maximum efficiency at intermediate flows.

FEATURES

- Flow range: 3.91 to 13.29 gpm (0.24 to 0.82 L/s)
- Sprinkler base pressure: 30 to 60 psi (2.0 to 4.0 bar)
- 27 degree trajectory model:
  4525-1-3/4" M
  (lower bearing is 3/4" NPT male)
- Full or part-circle capabilities
- Brass body and splasharm
- Stainless steel springs, pins and trip collars
- Nozzle sizes from 5/32" to 1/4" (#10 through #16) (4.0 to 6.4 mm)
- Two-year warranty on materials, workmanship and performance

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 27 degrees. Nozzle size shall be _____ inch (nozzle # _____). Lower bearing brass thread shall be 3/4" 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 Irrigation Inc.

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4525-1 BRASS

SPRINKLER BASE PRESSURE (psi)	U.S. - Diameter (feet) 30	35	40	45	50	55	60	METRIC - Diameter (meters) (bar) 2.0	2.5	3.0	3.5	4.0
								(psi) *29.00*	*36.25*	*43.50*	*50.75*	*58.00*
#10 Nozzle - (5/32")								**#10 Nozzle - (4.0 mm)**				
Flow (gpm)	3.91	4.22	4.51	4.79	5.05	5.29	5.53	(L/s) 0.24	0.27	0.30	0.32	0.34
Diam. at 1.5' height (ft)	90	92	94	96	98	99	100	0.5 m (m) 27.2	28.2	29.1	29.9	30.4
Diam. at 6.0' height (ft)	98	99	100	101	102	103	104	2.0 m (m) 29.7	30.2	30.7	31.1	31.6
#11 Nozzle - (11/64")								**#11 Nozzle - (4.4 mm)**				
Flow (gpm)	4.68	5.06	5.41	5.73	6.05	6.34	6.62	(L/s) 0.29	0.32	0.36	0.38	0.41
Diam. at 1.5' height (ft)	94	96	98	100	102	103	104	0.5 m (m) 28.5	29.4	30.3	31.1	31.6
Diam. at 6.0' height (ft)	100	102	104	105	106	107	108	2.0 m (m) 30.3	31.2	31.9	32.4	32.8
#12 Nozzle - (3/16")								**#12 Nozzle - (4.8 mm)**				
Flow (gpm)	5.52	5.96	6.37	6.75	7.12	7.47	7.80	(L/s) 0.34	0.38	0.42	0.45	0.48
Diam. at 1.5' height (ft)	97	100	102	104	106	107	108	0.5 m (m) 29.3	30.6	31.5	32.4	32.8
Diam. at 6.0' height (ft)	102	104	106	108	110	111	112	2.0 m (m) 30.9	31.9	32.7	33.6	34.0
#13 Nozzle - (13/64")								**#13 Nozzle - (5.2 mm)**				
Flow (gpm)	6.41	6.92	7.40	7.84	8.27	8.67	9.06	(L/s) 0.40	0.44	0.49	0.52	0.56
Diam. at 1.5' height (ft)	99	102	105	108	110	111	112	0.5 m (m) 29.9	31.3	32.6	33.6	34.0
Diam. at 6.0' height (ft)	104	106	108	110	112	114	116	2.0 m (m) 31.5	32.5	33.3	34.2	35.1
#14 Nozzle - (7/32")								**#14 Nozzle - (5.6 mm)**				
Flow (gpm)	7.35	7.94	8.49	9.00	9.49	9.95	10.4	(L/s) 0.46	0.51	0.56	0.60	0.64
Diam. at 1.5' height (ft)	101	105	109	112	114	116	118	0.5 m (m) 30.5	32.3	33.9	34.8	35.7
Diam. at 6.0' height (ft)	106	110	112	114	116	118	120	2.0 m (m) 32.0	33.7	34.6	35.4	36.3
#15 Nozzle - (15/64")								**#15 Nozzle - (6.0 mm)**				
Flow (gpm)	8.35	9.02	9.64	10.2	10.8	11.3	11.8	(L/s) 0.52	0.58	0.63	0.68	0.73
Diam. at 1.5' height (ft)	103	107	111	114	116	118	120	0.5 m (m) 31.1	32.9	34.5	35.4	36.3
Diam. at 6.0' height (ft)	108	112	114	116	118	120	122	2.0 m (m) 32.6	34.3	35.2	36.1	36.9
#16 Nozzle - (1/4")								**#16 Nozzle - (6.4 mm)**				
Flow (gpm)	9.40	10.2	10.9	11.5	12.1	12.7	13.3	(L/s) 0.58	0.65	0.71	0.77	0.82
Diam. at 1.5' height (ft)	105	109	112	115	117	119	121	0.5 m (m) 31.7	33.5	34.8	35.8	36.6
Diam. at 6.0' height (ft)	110	114	116	118	120	122	124	2.0 m (m) 33.2	34.9	35.8	36.7	37.5

Figures reflect actual test data obtained under ideal conditions. Stream heights range from 11.0 - 15.5 ft (3.4 - 4.7 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.