

BASEBALL FIELD FIVE ROW PROSPORT™ SYSTEM

IRRIGATION DESIGN CRITERIA

Water Source

Pressure Requirements:	75 - 80 PSI working pressure at field location* 60 PSI at base of sprinkler head*
Flow Requirements:	70 GPM Maximum flow rate* 25 GPM Minimum flow rate*

Water shall be delivered to the site at sufficient pressure and flow to provide optimum performance.

Water service line, water meter, backflow prevention device, pump station, pressure controls, check valves, surge protection, and performance of the water source are not included in these drawings.

**Differences in available flow and/or pressure will require design changes.*

Head Layout

Head layout and spacing are based on field dimensions. Heads are equally spaced along each row based on the depth of the field. Heads within a row are equally spaced along the arc based on the arc's length.

General head spacing is as follows: Head Spacing: **50' (AVG)** | Lateral Spacing: **49'**

Head and lateral spacing will vary with dimensions of field. Spacing adjustments may be necessary on asymmetrical field or fields with deep centers. All head and nozzle selections should be based on head performance, spacing, and arc of coverage in accordance with field dimensions.

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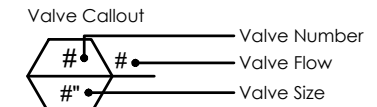
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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
05	K-Rain ProSport 14003-SS 4" pop-up rotor, triple-nozzle configuration, with check valve and stainless steel riser. Adjustable and Full Circle.	2	60	6.50	47'
10	K-Rain ProSport 14003-SS 4" pop-up rotor, triple-nozzle configuration, with check valve and stainless steel riser. Adjustable and Full Circle.	60	60	11.8	53'
05	K-Rain ProSport 14053-SS 4" pop-up high speed rotor, triple-nozzle configuration, with check valve and stainless steel riser. Adjustable and Full Circle.	4	60	6.40	45'
05	K-Rain ProSeries 7215 Remote control valve with 1-1/2" female thread fitting, glass filled nylon construction, flow control, and self-cleaning diaphragm.	14			
05	Quick Coupling Valve	6			
05	Gate Valve (Line Size)	1			
---	Irrigation Lateral Line				
---	Irrigation Mainline				

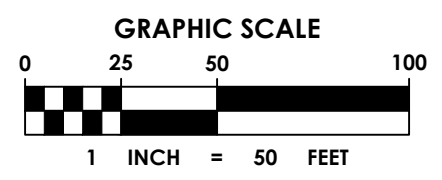
VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PRECIP
1	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	70.80	71.96	0.96 in/h
2	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	59.00	68.75	0.40 in/h
3	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	59.00	67.73	0.42 in/h
4	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	53.70	66.42	0.85 in/h
5	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	59.00	69.22	0.42 in/h
6	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	47.20	68.02	0.76 in/h
7	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	47.20	66.23	0.76 in/h
8	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	25.60	66.02	0.61 in/h
9	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	47.20	66.10	0.96 in/h
10	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	47.20	66.23	0.76 in/h
11	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	53.70	66.42	0.85 in/h
12	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	59.00	67.73	0.42 in/h
13	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	59.00	68.75	0.40 in/h
14	K-Rain ProSeries 7215	1-1/2"	Turf Rotor	59.00	69.17	0.96 in/h



GENERAL NOTES

- Head locations shown to scale.
- All valves shall be located outside of sports fields or designated play areas.
- Mainline and lateral pipe locations shown on the plan are schematic and shall be adjusted in the field.
- Pipe sizes shall conform to those shown on the drawings. No substitutions of smaller pipe sizes shall be permitted.
- Ensure all mainline piping is properly restrained.
- Ensure all irrigation components are installed according to local, state, or federal code.
- Refer to K-Rain Installation Details.
- Refer to K-Rain Product Brochure for Performance Data.
- For reclaimed water identification, add RCW to model numbers.



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VERIFY SCALES
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAWING TITLE
BASEBALL FIELD
FIVE ROW PROSPORT

