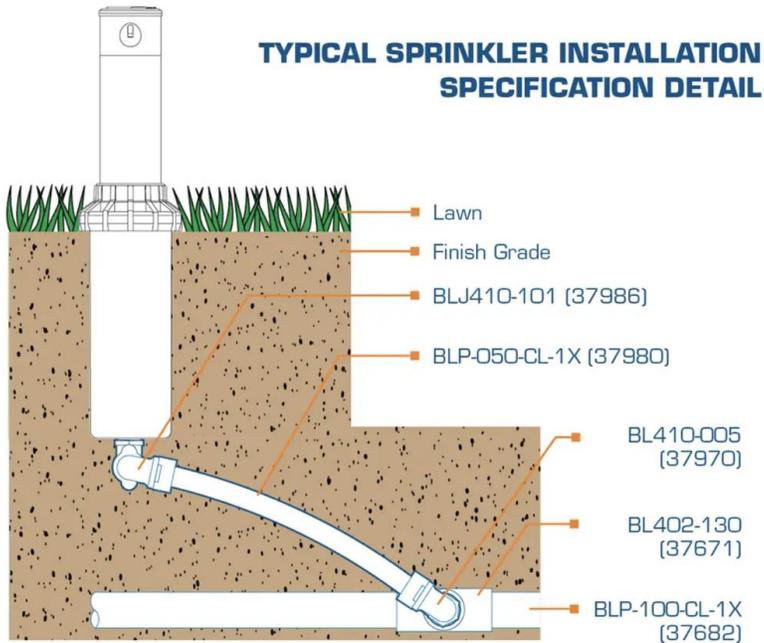


Hydro-Rain HRX-075 Sprinkler Rotor

Sprinkler Installation

Please Note: Do Not use pipe dope on threads! Use thread seal tape *if* necessary.

1. Flush sprinkler lines.
2. Thread the sprinkler rotor onto a swing joint assembly and set the head flush with the finished turf height.



Set the Spray Distance after installation

Please Note: Set with water on at normal system operating pressure. Nozzle #2 is preinstalled and adjusts from 25 - 45 feet depending on your water pressure.

1. Insert the metal hex end of the adjusting key into the distance adjustment slot.
2. Turn clockwise to decrease distance or counter-clockwise to increase distance.

*Caution: Do Not turn the adjustment screw too far in either direction as the screw may come loose from threads.



Pattern Adjustment

The HRX 075 is preset for 180-degree operation. The pattern can be adjusted for operation between 40 and 360 degrees.

1. Turn the top of the head all the way to the left until it stops and then all the way to the right. The top of the head must be in this position to make adjustments.
2. Insert the plastic end of the adjustment wrench into the pattern adjustment hole (circle with plus and minus signs on either side).
3. Turn clockwise to increase rotation; counterclockwise to decrease rotation. Each full turn increases/decreases rotation by 90°.

Nozzle Replacement

Please Note: See Nozzle Specs below for additional nozzle details.

1. To access nozzle, insert the plastic end of the adjusting key into the lifter socket.
2. Turn the key 90° and pull upwards.
3. Firmly grip the sprinkler stem.
4. Insert the metal hex end of the adjustment key into the distance adjustment slot.
5. Turn the screw counter-clockwise until it just clears the nozzle.
6. Apply water pressure to the system and the nozzle will pop out. Or use pliers the grip the edge of the nozzle and pull out.
7. Insert the replacement nozzle so the diffuser screw channel is on the top and turn the diffuser screw back into place. See previous instructions to reset spray distance.

 Quarter	 Full
1.0 L0.5	4.0 L2.0
 Half	 Half
2.0 L1.0	8.0
 Three-Quarter	8.0 nozzle is designed for single-head field and pasture applications; sprays 52 ft. at 60 PSI
3.0 L1.5	

For optimal matched precipitation use the suggested nozzle when the indicated pattern is set.

*All Precipitation rates were calculated using 180° operation. The precipitation rate for 360° of operation would be half of the value in the table.

Cleaning the Filter

1. Remove grass and dirt around the sprinkler head exposing at least 1 ½ inches of the sprinkler body.
2. Unscrew the cap and remove the stem assembly.
3. Use pliers to extract the filter from the bottom of the stem assembly.
4. Clean out debris and rinse clean then replace the filter.
5. Replace the stem assembly into the sprinkler body and screw cap on tightly.

Nozzle Specifications

Standard Nozzles

NOZZLE	PRESSURE POUNDS PER SQUARE INCH	RADIUS FEET	FLOW GALLONS PER MINUTE	PRECIPITATION RATE INCHES PER HOUR SQUARE SPACING	PRECIPITATION RATE INCHES PER HOUR TRIANGULAR SPACING
1	25	27	0.8	0.21	0.24
1	35	28	0.9	0.23	0.56
1	45	28	1.1	0.25	0.29
1	55	29	1.2	0.26	0.31
1	65	30	1.3	0.27	0.32
2	25	32	1.7	0.32	0.37
2	35	36	1.9	0.29	0.34
2	45	37	2.2	0.31	0.36
2	55	37	2.4	0.34	0.39
2	65	38	2.6	0.36	0.41
3	25	31	2.1	0.42	0.49
3	35	36	2.7	0.40	0.46
3	45	39	3.1	0.40	0.46
3	55	40	3.4	0.40	0.47
3	65	43	3.7	0.39	0.45
4	25	35	2.8	0.44	0.51
4	35	39	3.9	0.49	0.57
4	45	42	4.5	0.49	0.56
4	55	43	5	0.52	0.60
4	65	44	5.4	0.54	0.62
8	25	41	6	0.71	0.82
8	35	47	7.3	0.63	0.73
8	45	48	7.3	0.61	0.71
8	55	52	7.6	0.54	0.63
8	65	57	8	0.47	0.55

Low Angle Nozzles

NOZZLE	PRESSURE POUNDS PER SQUARE INCH	RADIUS FEET	FLOW GALLONS PER MINUTE	PRECIPITATION RATE INCHES PER HOUR SQUARE SPACING	PRECIPITATION RATE INCHES PER HOUR TRIANGULAR SPACING
L0.5	25	25	.9	0.29	0.33
L0.5	35	26	.9	0.25	0.29
L0.5	45	27	1	0.26	0.31
L0.5	55	28	1.2	0.28	0.33
L0.5	65	29	1.3	0.30	0.34
L1	25	27	1	0.30	0.35
L1	35	30	1.3	0.29	0.33
L1	45	27	1	0.26	0.31
L1	55	28	1.2	0.28	0.33
L1	65	29	1.3	0.30	0.34
L1.5	25	26	1	0.40	0.46
L1.5	35	28	1.6	0.39	0.45
L1.5	45	31	1.8	0.37	0.43
L1.5	55	33	2.	0.36	0.42
L1.5	65	34	2.2	0.38	0.44
L2	25	26	2	0.52	0.60
L2	35	29	2.1	0.49	0.56
L2	45	31	2.4	0.47	0.54
L2	55	33	2.7	0.47	0.54
L2	65	35	2.9	0.47	0.54
L3	25	33	3	0.49	0.56
L3	35	36	3.2	0.48	0.56
L3	45	39	3.7	0.47	0.55
L3	55	41	4.1	0.47	0.54
L3	65	43	4.5	0.48	0.55