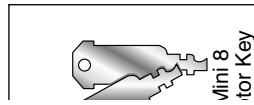
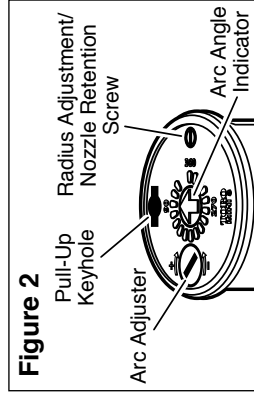


Mini 8, Gear Driven Sprinkler's Guide

For residential and light commercial use sizes, 4" pop up, 6" pop up and 12" pop up. stem

pre-installed from the factory. A nozzle tree nozzles is provided with each rotor (Figure 1). Performance chart for flow rates. By using various rates, you can balance the sprinklers to same precipitation rates.

It contains two Mini 8 rotor keys. The Mini 8 key to remove the nozzle, to reduce the radius and



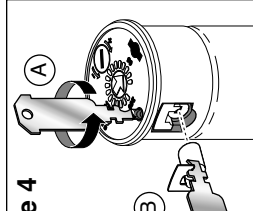
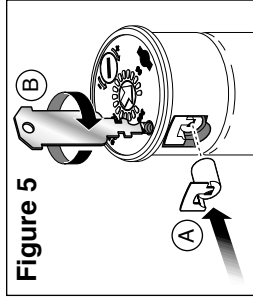
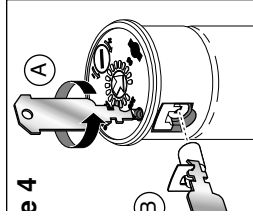
Nozzle

Use the key to pull the riser up in order to access the nozzle. Turn the riser into the pull-up hole (Figure 3), turn it 90°, and pull up position.

Turn the radius adjustment screw in the top of the nozzle. See Figure 4A.

Use the right side slot with the pointed end of the key to extract the nozzle out. See Figure 4B.

Insert the nozzle into the nozzle socket (Figure 5A). Turn the nozzle clockwise to its desired location ensuring the nozzle is in place even if radius reduction is



To Set The Arc

The Mini 8 rotor arc is pre-set at the factory.

The Mini 8 rotor has a fixed LEFT stop. To find the left stop position, rotate the nozzle turret clockwise (to the right) until it stops, then rotate the nozzle turret all the way back to the left.

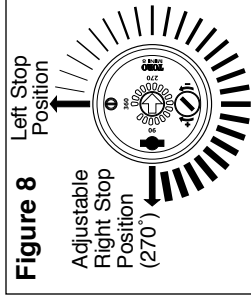
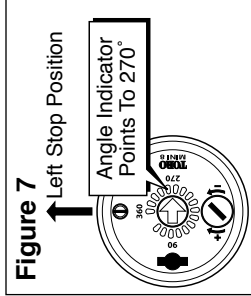
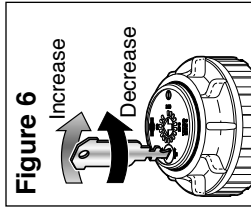
To increase the arc, insert the key into the arc adjuster shown in Figure 6. Hold the turret in place while turning the tool clockwise. Keep turning until the arc indicator arrow points to the desired arc angle.

As an example indicated in Figure 7, the arc is set to 270°. The sprinkler will then water from the left stop and rotate clockwise (see Figure 8) until 270°, the adjusted right stop, is reached. The sprinkler will then return back to the left stop and repeat the cycle.

To decrease the arc, insert the key into the arc adjuster. Hold the turret in place while turning the tool counter clockwise. Keep turning until the arrow points to the desired arc.

To adjust the arc while the rotor is running, turn the turret gently in the direction that it is spraying. Once the left stop has been located, follow the directions above to increase or decrease the arc.

To line up the left stop with landscape features which define the left side of the irrigated arc, simply turn the housing canister and point the left stop towards the desired direction. You may also pull the riser up with the key and rotate the LOWER portion of the riser until the left stop is at the desired position. **DO NOT rotate the TOP portion of the riser.**



Screen Maintenance

The screen can be accessed through the bottom of the riser. Remove the cap of the Mini 8 and lift the riser assembly out of the housing canister. If plugged, the screen can be removed, cleaned, and re-inserted into the riser.

Mini 8 Nozzle Performance

Nozzle (Gallons)	Pressure (PSI)	Flow (GPM)	Radius (Feet)	Pressure (kPa)
0.75	30	0.8	19	207
	40	0.9	20	276
	50	1.2	21	345
1.0	30	1.1	22	207
	40	1.3	23	276
	50	1.5	24	345
1.5	30	1.2	26	207
	40	1.4	28	276
	50	1.6	30	345
2.0	30	1.4	30	207
	40	1.7	31	276
	50	2.0	32	345
3.0	30	2.3	33	207
	40	2.6	34	276
	50	3.0	35	345

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Installation Tips

CAUTION: The Mini 8 rotor is designed for use in clean-water irrigation systems only. Sprinkler component damage or malfunction can occur if operated with any other water source.

The Mini 8 rotor should be installed with the cap at the finished grade. It is not designed to be installed below grade. See Figure 9.

The radius adjustment screw can be used to reduce the radius throw by up to 25%. You should note that this does not reduce the flow of the nozzle.

