

R-VAN on a Spike User's Guide

ARC
ADJUSTMENT
CAP

ROTARY
DEFLECTOR

RADIUS
ADJUSTMENT
DIAL

COLLAR

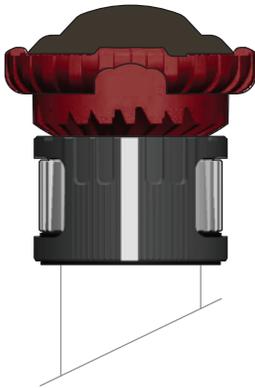
FILTER
SCREEN



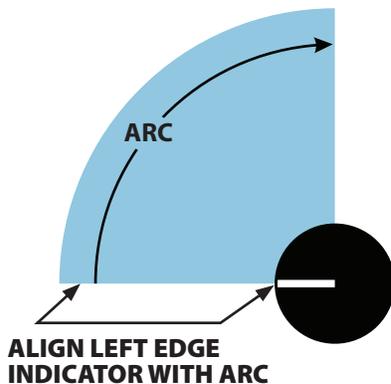
Identify the Left Edge

A grooved white mark located on the collar, just under the rotary deflector, represents the left edge of the arc.

LEFT EDGE
INDICATOR



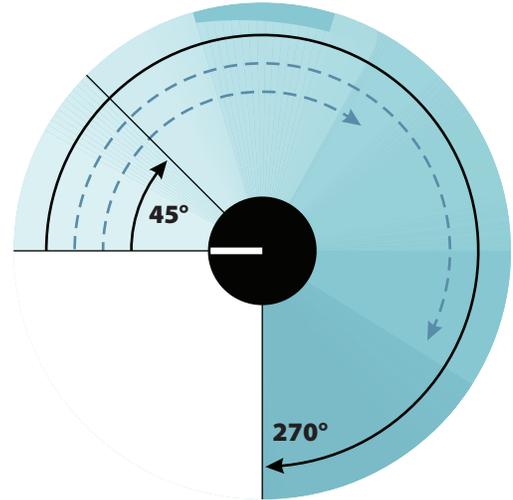
1. Align the nozzle to the left most edge of desired coverage area (arc).



Arc Adjustment

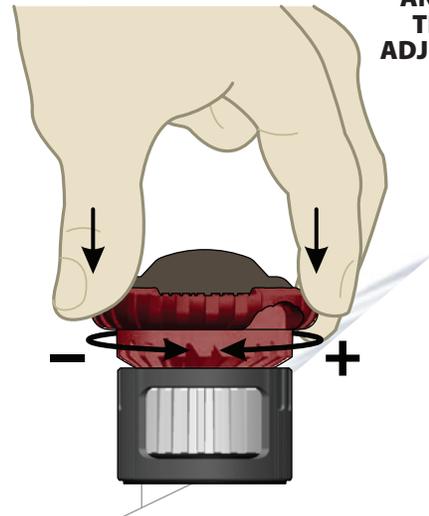
Set the desired nozzle coverage, from 45° to 270°.

- !** **NOTE:** Water must be turned **ON** in order to set the Arc Adjustment.



1. Push down and turn the Arc Adjustment Cap counter-clockwise to decrease the arc.
2. Push down and turn the Arc Adjustment Cap clockwise to increase the arc.

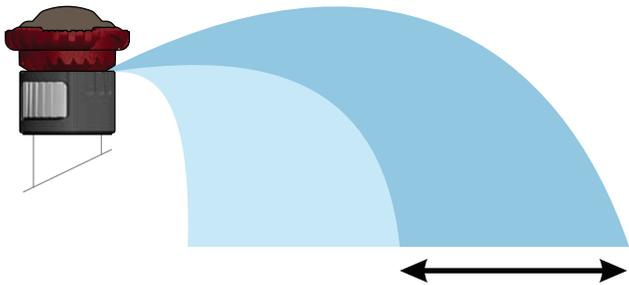
**PUSH DOWN
AND TURN
THE ARC
ADJUSTMENT
CAP**



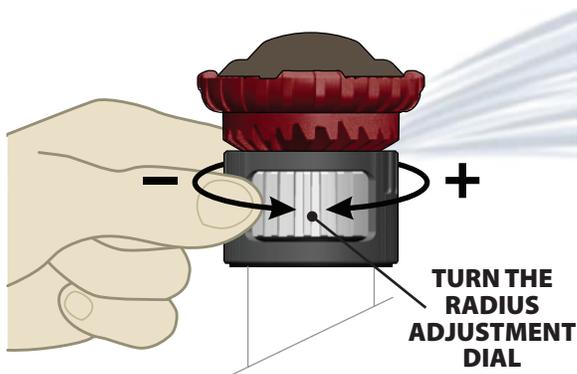
Radius Adjustment

Set the desired nozzle range, from 17' to 24'. The factory default setting is the maximum range for each model.

! **NOTE:** Water must be turned **ON** in order to set the Radius Adjustment.



1. Turn the Radius Adjustment Dial counter-clockwise to decrease the nozzle range.
2. Turn the Radius Adjustment Dial clockwise to increase the nozzle range. A clicking sound will be heard when range limits are reached.



Troubleshooting

The following table lists common problems and solutions associated with nozzle operation.

Problem	Cause	Solution
Nozzle is not rotating or watering.	Filter screen may be clogged with debris.	Clean screen.
	Water head pressure may be too low.	Effective pressure range for R-VAN nozzles is 20 to 55 psi. Recommended operating pressure is 45 psi. Check system.
	A small amount of fine grit may be inside the nozzle.	Cycle the system a few times to flush. Pull up on nozzle to flush.
	Water path in the rotary deflector may be clogged with debris.	Visually inspect water paths in the rotary deflector and clean out any debris.
	Nozzle operating in a very sandy environment.	Wait 2 to 4 minutes to see if sand flushes out and nozzle begins to rotate.
Gaps or distorted streams in the water spray pattern.	Nozzle operating in a very sandy environment.	Clean screen.
Range of water spray from nozzles is less than expected.	Water head pressure may be low.	Ensure Radius Adjustment Dial is fully open. Turn clockwise until clicking sound is heard. Check system to ensure proper pressure.

Nozzle Maintenance

Clean the filter screen if it becomes clogged. A build-up of debris causes degradation of performance.

1. Unscrew the rotary nozzle from the riser.
2. Remove the clogged screen.
3. Clean and replace the screen.
4. Screw the nozzle back onto the riser.

