

450R POP-UP ROTOR



450R Rotor



Familiar top arc adjustment

3/4" GEAR-DRIVEN ROTOR

**NO HASSLES
ABOVE
GROUND
OR BELOW IT.**

KEY FEATURES & BENEFITS

FAMILIAR TOP ADJUSTMENT, WET OR DRY
For fast convenient installation

REVERSING FULL- AND PART-CIRCLE OPERATION

Allows you to adjust the rotor from 40° to 360°

NON-FLUSHING WIPER SEAL

Reduces leaks caused by debris trapped under the seal. Ideal for low flow applications

3/4" INLET

Replaces all standard rotors

UNIVERSAL ADJUSTMENT TOOL

Common to most rotors in the industry

STANDARD RUBBER COVER

Provides added protection against debris and keeps playing areas safe

WIDE SELECTION OF NOZZLES

8 Standard and 4 Low Angle nozzles included with each rotor to handle a wide range of applications

POSITIVE LEFT AND RIGHT STOPS (FIXED RIGHT STOP)

Reduces set-up time by allowing you to quick check the arc

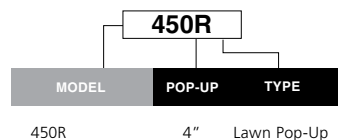
The new 450R rotor from Irritrol was designed with the contractor in mind. With an industry recognized top arc adjustment, and the ability to quick check the arc setting, there's no training necessary when setting this rotor. All this, along with superior water efficient nozzle technology, makes this rotor the choice for professional contractors.

Irritrol. **Get more done.**

OPERATING SPECIFICATIONS

- Inlet: 3/4" female-threaded NPT
- Adjustable arc range: 40° to 360°
- Flow range: .5 – 8.0 GPM
- Recommended operating pressure: 30 – 70 PSI
- Precipitation rate: .12 to .49 inches per hour
- Overall height (retracted): 7 3/8"
- Recommended spacing: 25' to 45'
- Radius: 22' to 52'
- Standard nozzle trajectory: 25°
- Low angle nozzle trajectory: 11°
- 8 standard and 4 low angle nozzles included
- Riser height: 4"
- Two-year warranty

SPECIFYING INFORMATION



450R Rotor

PERFORMANCE DATA

450R Rotor - Standard Nozzle

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
0.50	30	28	0.50	0.12	0.14
	40	29	0.60	0.14	0.16
	50	29	0.70	0.16	0.19
	60	30	0.80	0.17	0.20
0.75	30	29	0.70	0.16	0.19
	40	30	0.80	0.17	0.20
	50	30	0.90	0.19	0.22
1.0	60	31	1.00	0.20	0.23
	30	30	0.90	0.19	0.22
	40	31	1.00	0.20	0.23
2.0	50	31	1.20	0.24	0.28
	60	32	1.30	0.24	0.28
	30	32	1.20	0.23	0.26
3.0	40	33	1.40	0.25	0.29
	50	34	1.60	0.27	0.31
	60	34	1.80	0.30	0.35
4.0	30	36	2.00	0.30	0.34
	40	38	2.40	0.32	0.37
	50	40	2.70	0.32	0.38
6.0	60	4	2.90	0.35	0.40
	30	36	2.60	0.39	0.45
	40	40	3.00	0.36	0.42
8.0	50	42	3.40	0.37	0.43
	60	42	3.70	0.40	0.47
	30	38	4.20	0.56	0.65
4.0	40	43	4.90	0.51	0.59
	50	46	5.50	0.50	0.58
	60	47	6.00	0.52	0.60
6.0	30	40	4.80	0.58	0.67
	40	45	6.00	0.57	0.66
	50	48	6.80	0.57	0.66
8.0	60	49	7.60	0.61	0.70

450R Rotor - Low Angle Nozzle

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
1.0 LA	30	22	1.20	0.48	0.55
	40	24	1.70	0.57	0.66
	50	26	1.80	0.51	0.59
3.0 LA	60	28	2.00	0.49	0.57
	30	29	3.00	0.69	0.79
	40	32	3.10	0.58	0.67
4.0 LA	50	35	3.50	0.55	0.64
	60	37	3.80	0.53	0.62
	30	31	3.40	0.68	0.79
6.0 LA	40	34	3.90	0.65	0.75
	50	37	4.40	0.62	0.71
	60	38	4.70	0.63	0.72
8.0 LA	30	34	5.20	0.87	1.00
	40	38	6.50	0.87	1.00
	50	42	7.30	0.80	0.92
	60	44	8.00	0.80	0.92

1. Precipitation rates based on half-circle operation
2. ■ square spacing based on 50% diameter of throw
3. ▲ triangular spacing based on 50% diameter of throw

Note: Data collected in zero wind conditions