

## 550R Series

### 3/4" Pop Up Rotor

The new Irritrol® 550R rotor delivers basic simplicity and dependable action all in one rotor. With its proven 3/4" gear-driven design, 15 mt. of watering radius and a full 5" (12,7 cm) pop-up, this rotor just gets more done. Installation is made simple with Irritrol's familiar top arc adjustment and all-in-one full- and part-circle operation from 40 to 360 degrees. And, with the ability to quick check the arc with positive left and right stops, set-up time is further reduced. The 550R comes with a wide selection of nozzles (8 standard and 4 low angle nozzles) making it the ideal rotor for your everyday installations.

### 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 seal
- **3/4" inlet**  
Replaces all standard rotors
- **All adjustments made with a standard screwdriver**  
No special tools required
- **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 left stop)**  
Reduces set-up time by allowing you to quick check the arc
- **Optional check valve holds up to 2,1 mt of elevation change**  
Eliminates water waste



550R Series

POP-UP ROTOR  
**Series 550R**

**Irritrol®**

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#### Performance data

##### 550R Rotor – Standard Nozze 25°

Pressure bar	Nozzle number	Radius m	Flow l/min	Precip. mm/h □	Precip. mm/h △
1,7	1,5	10,0	4,3	2,58	2,98
	2,0	10,6	5,5	2,94	3,39
	2,5	10,6	6,7	3,58	4,13
	3,0	11,0	8,3	4,12	4,75
	4,0	11,3	11,2	5,26	6,08
	5,0	11,9	14,2	6,02	6,95
	6,0	11,9	16,0	6,78	7,83
	8,0	11,0	21,7	10,76	12,42
2,4	1,5	10,4	5,2	2,88	3,33
	2,0	11,0	6,8	3,37	3,89
	2,5	11,0	8,3	4,12	4,75
	3,0	11,6	9,8	4,37	5,05
	4,0	12,2	13,4	5,40	6,24
	5,0	12,5	17,0	6,53	7,54
	6,0	13,1	19,6	6,85	7,91
	8,0	13,1	26,8	9,37	10,82
3,1	1,5	10,7	6,0	3,14	3,63
	2,0	11,3	8,0	3,76	4,34
	2,5	11,3	9,6	4,51	5,21
	3,0	12,2	11,5	4,64	5,35
	4,0	12,8	15,5	5,68	6,55
	5,0	13,1	19,3	6,75	7,79
	6,0	13,4	23,0	7,69	8,87
	8,0	14,3	30,5	8,95	10,33
3,8	1,5	10,7	6,6	3,46	3,99
	2,0	11,3	8,7	4,09	4,72
	2,5	11,3	10,6	4,98	5,75
	3,0	12,2	13,3	5,36	6,19
	4,0	12,8	16,8	6,15	7,10
	5,0	13,7	21,7	6,94	8,01
	6,0	14,3	25,1	7,36	8,50
	8,0	14,6	33,9	9,54	11,02
4,5	1,5	11,0	7,1	3,52	4,07
	2,0	11,3	9,7	4,56	5,26
	2,5	11,3	11,5	5,40	6,24
	3,0	12,2	14,4	5,80	6,70
	4,0	13,1	18,3	6,40	7,39
	5,0	13,7	23,0	7,35	8,49
	6,0	14,6	27,4	7,71	8,91
	8,0	15,2	36,7	9,53	11,00



#### Operating specifications

- Inlet: ¾" female-threaded
- Adjustable arc range: 40° to 360°
- Flow range: 2,8 - 36,7 l/min.
- Recommended operating pressure: 3 bar
- Radius: 7,6 - 15,2 mt
- Pressure range: 1,7 - 4,5 bar
- Standard nozzle trajectory: 25°
- Low angle nozzle trajectory: 12°
- 8 standard and 4 low angle nozzles included
- Riser height: (12,7 cm)

#### Optional accessori

- Recycled-water indicator cover (purple)
- Field-installable check valve

#### Codes

Model	Pop-up	Type
550R	12,7 cm	Lawn Pop-up

##### 550R Rotor - Low Angle Nozze 12°

Pressure bar	Nozzle number	Radius m	Flow l/min	Precip. mm/h □	Precip. mm/h △
1,7	1,0	7,6	2,8	2,91	3,36
	1,5	8,2	4,1	3,66	4,22
	2,0	8,8	5,3	4,11	4,74
	3,0	8,8	8,3	6,43	7,43
2,4	1,0	8,5	3,5	2,91	3,36
	1,5	9,1	5,1	3,70	4,27
	2,0	9,4	6,5	4,41	5,10
3,1	3,0	10,0	9,8	5,88	6,79
	1,0	8,8	3,9	3,02	3,49
	1,5	9,4	5,7	3,87	4,47
3,8	2,0	9,7	7,8	4,97	5,74
	3,0	10,3	11,5	6,50	7,51
	1,0	8,8	4,3	3,33	3,85
4,5	1,5	9,4	6,6	4,48	5,17
	2,0	10,0	8,5	5,10	5,89
	3,0	11,0	12,9	6,40	7,39
4,5	1,0	8,8	4,7	3,64	4,20
	1,5	9,4	7,2	4,89	5,65
	2,0	10,0	9,3	5,58	6,44
	3,0	11,0	14,0	6,94	8,02



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360° □ 50% △ 50%

Note: data represent test result in zero wind